

WELL ACTIVITY REPORT

RECEIVED

BEGINNING DATE: 9/06/2012

ENDING DATE: 9/07/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

SEP 21 2012

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

CORRECTION CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT

GENERAL INFORMATION

1. API WELL NO. (10 digits) 55-352-0000200			2. OPERATOR NAME Shell Gulf of Mexico Inc		
3. WELL NAME <small>Posey 6764 OCS-Y 2280 001</small>	4. SIDETRACK NO. 00	5. BYPASS NO. 00	6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com		
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer			8. WATER DEPTH (surveyed) (ft) 150	9. ELEVATION AT KB (Surveyed) (ft) 46	

10. CURRENT WELLBORE INFORMATION

SURFACE					BOTTOM						
LEASE NO.	AREA NAME	BLOCK NO.			LEASE NO.	BLOCK NO.					
OCS-Y 2280	Posey	6764			OCS-Y 2280	6764					
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					n/a				n/a	n/a	n/a

11. WELLBORE HISTORICAL INFORMATION

WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD
	OCS-Y 2280					

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY
Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

None of the following have occurred:

- Wireline logs (Report when acquired)
- Wireline Directionals (Report when acquired)
- Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
- Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
- PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)

Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

<input type="checkbox"/> Kick Occurrence	<input type="checkbox"/> Well Control Equipment Failure
<input type="checkbox"/> Shallow Water Flow	<input type="checkbox"/> H ₂ S Encounter
<input type="checkbox"/> Weather and Oceanographic Conditions	<input type="checkbox"/> New Technology Failure
<input type="checkbox"/> General Rig Equipment Failure	<input type="checkbox"/> Stuck Pipe
<input type="checkbox"/> Lost Returns	<input type="checkbox"/> Wellbore Integrity Failure
<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
OMB Approval Expires 10/31/2012

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
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BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer

INSPECTION DATE Sept 7, 2012

INSPECTORS NAME Michael Shank

Burger A

MODIFIED August 2012

OCS-Y 2280

INC#	IDENTIFICATION	CODE	YES	NO	N/A
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	✓		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	1		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	1		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	1		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	1		
G-114	Are operations conducted in accordance with Lease Stipulations? 30 CFR 250.101	W/C/S	1		
G-115	Are operations conducted in accordance with Approved Applications? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	1		
G-116	Are operations conducted in accordance with Approved Plans? 30 CFR 250.200, 254.2	W/C/S	1		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters? 30 CFR 250.112(a), 803(b)(5)(i)	C			
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5? 30 CFR 250.803(b)(5)	C			
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			
G-155	Are diesel engines equipped with an air intake shut down device? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C			
G-156	For diesel engines that are not continuously manned, is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C			
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	1		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	1		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	1		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W			
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W			
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping? 30 CFR 250.111	C	1		
G-303 If you see it	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	3		1
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C			1
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	2		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	4		
G-309 Permits	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas, has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	1		1
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C			1
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties, during welding and burning operations, been designated as fire watch? 30 CFR 250.113(c)(2)	C			1

INC#		CODE	YES	NO	N/A
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C			1
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C			1
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W			1
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			1
POLLUTION PREVENTION					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	1		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved? 30 CFR 250.300(b)(2)	C/S			1
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge ? 30 CFR 250.300(b)(4)	W/C/S	1		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	✓		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	1		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	1		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S			1
GENERAL					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	1		
D-101	Is the crown block safety device checked for proper operation at least once each week , after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S			1
DIRECTIONAL SURVEYS					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			1
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells? 30 CFR 250.461(a)(2)	S			1
MOVING DRILLING RIGS					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (or as otherwise approved by the District Manager)? 30 CFR 250.406(b)	W/C			1
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W	1		
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			
CASING PROGRAM					
D-150	Is casing set as approved? 30 CFR 250.420	W			
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			
D-153	Are drilling operations suspended when the safe margin, as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained? 30 CFR 250.427(b)	W/S			

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			1
D-155	If the hole for the drive and structure casing was drilled, was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes, with no more than 10% pressure drop during the test, (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones, at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD, has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			
D-172	Were remedial actions, approved by the District Manager, taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			
D-174	For the final casing string, did the operator install Dual Mechanical Barriers in addition to cement, to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			
BOP SYSTEMS AND COMPONENTS					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply, been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			
D-203	Is an automatic backup accumulator-charging system, supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station, in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines? 30 CFR 250.443(c)	S			
D-207	Is each kill and choke line equipped with two full opening valves, with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly, is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly? 30 CFR 250.445(c)	S			
D-217	On a top-drive system equipped with a remote controlled valve, is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			
D-219	Are the inside BOP and full-opening drill-string safety valves, fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted? 30 CFR 250.445(e), 250.445(f)	S			
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			
D-223	Is the choke line installed on the BOP stack above the bottom ram? 30 CFR 250.443(d)(1)	S			
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			
D-225	If a BOP control station or pod does not perform properly, are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			
	SUBSEA BOP SYSTEMS				
D-240	Prior to drilling below surface casing with a subsea stack, are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			
D-243	Do the records indicate that the mud-line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth? 30 CFR 442(l)	S			
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7? 30 CFR 250.442 (c)	S			
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			
D-254	When the BOP test are postponed due to well control problems, is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes, 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			

W

INC#	WELL-CONTROL DRILLS	CODE	YES	NO	N/A
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			1
D-291	Is a copy of the <u>complete well-control plan</u> posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	1		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			1
DIVERTER SYSTEMS					
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, <u>actuation-tested</u> and the vent lines flow tested when installed? 30 CFR 250.433	W			
D-305	Are all <u>right-angle and sharp turns</u> in the diverter lines targeted? 30 CFR 250.431(e)	S			
D-306	Do flexible hose used for diverter lines have <u>integral end couplings</u> ? 30 CFR 250.432(a)	S			
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			
D-314	Is the control station used during the diverter test or actuation <u>identified</u> ? 30 CFR 250.434(c)	W			
SURFACE DIVERTER SYSTEM					
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			
D-322	Is the spool outlet and diverter line nominal diameter at <u>least 10 inches</u> for surface wellhead configurations and at <u>least 12 inches</u> for floating drilling operations? 30 CFR 250.431(a)	S			
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			
D-326	Is diverter sealing elements and diverter valves pressure tested to a <u>minimum of 200 psi</u> when nipped up on conductor casing, with no more than <u>7 days elapsed time</u> between subsequent tests? 30 CFR 250.433(a)	W/S			
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for <u>surface diverter systems</u> ? 30 CFR 250.433(a), 250.433(c)	W			
D-354	Is vessel heading maintained to allow for downwind diversion on <u>dynamically-positions drill ships</u> ? 30 CFR 250.432(d)	S			
DRILLING FLUID PROGRAM					
D-400	Has drilling fluid been properly condition ^{ed} by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W			✓
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level <u>decreases</u> the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a <u>lower</u> decrease in hydrostatic pressure? 30 CFR 250.456(c)	W			1
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W	1		

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			1
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j) <i>Mud cells @ 27 hrs</i>	W	1		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	1		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S	2		
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			1
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30 CFR 250.457(b)	S	1		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	1		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	1		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	1		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	1		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	1		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	1		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	2		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	3		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	3		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	1		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	1		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	1		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			1

INC#	SUPERVISION, SURVEILLANCE, AND TRAINING	CODE	YES	NO	N/A
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W			1
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	2		
APPLICATION FOR PERMIT TO DRILL					
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S			1
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			1
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	1		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			
BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION					
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			1
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			1
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			1
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S	1		1
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			1
SUBSEA BOP SYSTEMS					
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W	3		
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S	1		
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			1
STUMP TEST					
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			1
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			1
INITIAL INSTALLATION TEST					
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			1
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			1
HYDROGEN SULFIDE					
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	1		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	2		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	1		

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INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	1		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	1		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	1		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	1		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W			1
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	1		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			1
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card? 30 CFR 250.490(g)(2)(i, ii)	W	1		
H-113	Is a first-aid kit, of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W	1		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	3		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use? 30 CFR 250.490(k)(3)(ii)	W/C	1		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S	1		
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	1		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	1		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	1		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	1		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	1		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	1		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator, available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	1		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	1		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C			1
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C			1

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C			1
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C			1
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S			1
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	1		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	1		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	✓		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	3		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	1		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	1		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C	1		
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W			0
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	1		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S			1
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii) <i>Drillers report</i>	S			
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	1		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			
H-157	Is gas containing H2S not used for instrument gas, and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S			1
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			1
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			1
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			1
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			1
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			✓
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			✓
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			✓
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			1

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S	✓		
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S			
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W			
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W			
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W			
H-173	Are records of attendance in drills for drilling, well-completion, and well-workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W			
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S			
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months? 30 CFR 250.490(j)(11)(iv)	W/S			
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W			
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor? 30 CFR 250.490(j)(5)(iv)	C			
H-179	When drilling, are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone? 30 CFR 250.490(j)(7)(i)	W			
H-181	In areas classified as H2S Present, are all H2S detectors tested once every 24 hours when conducting drilling operations, drill-stem-testing, well-testing, well-completion operations, or workover operations? 30 CFR 250.490(j)(7)(i)	W/S			

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO - Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA - Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection.

Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks: 9/6/2012: moved to Burger A Lease -
Stacked BHA in derrick. Arrive @ 1700. Drop ^{@2116}
anchor then retrieved when it didn't catch. Dropped
anchor again @ 2214.

Remarks: 9/7/2012: 3 anchors hooked up and tensioned. Pre-drill inspection completed. Picked up BHA.

Hooked up last anchor. Deployed ROV for survey of bottom location. Spud well(?)

* Bird strike

Carcass of Storm Petrel found in the skimmer tank. (6am)
PSO notified and FWS contacted.

* Pollution Event (Marine debris)

@ 1:15pm 4'x4' piece of plywood blown overboard by helicopter backdraft. Debris was not recovered.

9/8/2012

(b) (4), (b) (9)

(b) (4), (b) (9)

(b) (4), (b) (9)

Public Information

U.S. Department of the Interior
 Bureau of Safety and Environmental
 Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
 OMB Approval Expires 10/31/2014

WELL ACTIVITY REPORT

RECEIVED

BEGINNING DATE: 9/07/2012 ENDING DATE: 9/08/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

SEP 21 2012

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

CORRECTION CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT

GENERAL INFORMATION

1. API WELL NO. (10 digits) 55-352-0000200		2. OPERATOR NAME Shell Gulf of Mexico Inc	
3. WELL NAME <small>Posey 6764 OCS-Y 2280 001</small>	4. SIDETRACK NO. 00	5. BYPASS NO. 00	6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer		8. WATER DEPTH (surveyed) (ft) 150	9. ELEVATION AT KB (Surveyed) (ft) 46

10. CURRENT WELLBORE INFORMATION

SURFACE					BOTTOM						
LEASE NO.	AREA NAME	BLOCK NO.			LEASE NO.	BLOCK NO.					
OCS-Y 2280	Posey	6764			OCS-Y 2280	6764					
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					n/a				n/a	n/a	n/a

11. WELLBORE HISTORICAL INFORMATION

WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD
	OCS-Y 2280					

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY

Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

- None of the following have occurred:
- ! Wireline logs (Report when acquired)
 - ! Wireline Directionals (Report when acquired)
 - ! Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
 - ! Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
 - ! PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)
- Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

- | | |
|---|---|
| <input type="checkbox"/> Kick Occurrence | <input type="checkbox"/> Well Control Equipment Failure |
| <input type="checkbox"/> Shallow Water Flow | <input type="checkbox"/> H ₂ S Encounter |
| <input type="checkbox"/> Weather and Oceanographic Conditions | <input type="checkbox"/> New Technology Failure |
| <input type="checkbox"/> General Rig Equipment Failure | <input type="checkbox"/> Stuck Pipe |
| <input type="checkbox"/> Lost Returns | <input type="checkbox"/> Wellbore Integrity Failure |
| <input type="checkbox"/> Station Keeping Failure | <input type="checkbox"/> Other |

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0011
OMB Approval Expires 10/31/2014

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

SEP 11 2012

RECEIVED

WELL ACTIVITY REPORT

BEGINNING DATE: 9/07/2012

ENDING DATE: 9/08/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

CORRECTION CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT

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3. WELL NAME Burger A #001	4. SIDETRACK NO.	5. BYPASS NO.	6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com
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										LOW	HIGH

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WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD

WELL ACTIVITY REPORT

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WELL ACTIVITY REPORT

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From: [Shank, Michael L](#)
To: [Howell, Randy](#); [Fesmire, Mark E](#); [Monkelien, Kyle](#); [Walker, Jeffrey](#)
Subject: Daily reports
Date: Saturday, September 08, 2012 1:35:14 PM

One of Shell's engineers has told me that they want to deliver the daily activity reports to me until Mark returns to Anchorage. At which time, they will discuss with Mark how the reports will be handled. They are using the BSEE-0133 forms that are used for weekly reports in GOMR.

They plan to spud sometime today, I will email you the time when it happens. There has not been any accidents or pollution events.

-Mike

From: [Shank, Michael L](#)
To: [Crumrine, Kathleen](#)
Subject: FW: Daily reports
Date: Saturday, September 08, 2012 1:52:06 PM

Forgot to add you to the addressee list.

-Mike

From: Shank, Michael L
Sent: Saturday, September 08, 2012 1:35 PM
To: Howell, Randy; Fesmire, Mark E; Monkeliem, Kyle; Walker, Jeffrey
Subject: Daily reports

One of Shell's engineers has told me that they want to deliver the daily activity reports to me until Mark returns to Anchorage. At which time, they will discuss with Mark how the reports will be handled. They are using the BSEE-0133 forms that are used for weekly reports in GOMR.

They plan to spud sometime today, I will email you the time when it happens. There has not been any accidents or pollution events.

-Mike

From: [Shank, Michael L](#)
To: [Monkelien, Kyle](#)
Subject: RE: Daily reports
Date: Saturday, September 08, 2012 4:52:02 PM

9-6-2012: move under tow to the lease location; set first anchor down (ship's anchor) @2116; picked up anchor and re-set it @2152; hooked up to anchor #6 @ 2355

9-7-2012: hooked up anchors #2, 4, and 8; Randy completes pre-drill inspection and gives verbal approval to begin drilling operations; continuing to hook up anchors and tension them while making preparations to spud (mixing mud, picking up BHA, etc.).

There is more detail in the reports, but this is a brief synopsis. Right now, they are having difficulty tensioning the last anchor so spud has been delayed perhaps to early morning. Probably won't hear about spud until the morning report.

-Mike

From: Monkelien, Kyle
Sent: Saturday, September 08, 2012 2:22 PM
To: Shank, Michael L
Subject: Re: Daily reports

Sounds good send me a synopsis when you get the report and I will forward the info to my mail list. We are already working the submittal process with the office so will work that out on Monday. Stay warm and see you later

From: Shank, Michael L
Sent: Saturday, September 08, 2012 03:35 PM
To: Howell, Randy; Fesmire, Mark E; Monkelien, Kyle; Walker, Jeffrey
Subject: Daily reports

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They plan to spud sometime today, I will email you the time when it happens. There has not been any accidents or pollution events.

-Mike

BSEE DRILLING PING LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer

INSPECTION DATE Sept 8, 2012

INSPECTORS NAME Michael Shank 0106

Burger A
OCS-Y 2280

MODIFIED August 2012

INC#	IDENTIFICATION	CODE	YES	NO	N/A
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	1		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	1		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	1		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	1		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	1		
G-114	Are operations conducted in accordance with Lease Stipulations? 30 CFR 250.101	W/C/S	1		
G-115	Are operations conducted in accordance with Approved Applications? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	1		
G-116	Are operations conducted in accordance with Approved Plans? 30 CFR 250.200, 254.2	W/C/S	1		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters? 30 CFR 250.112(a), 803(b)(5)(i)	C			
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5? 30 CFR 250.803(b)(5)	C			
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			
G-155	Are diesel engines equipped with an air intake shut down device? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C			
G-156	For diesel engines that are not continuously manned, is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C			
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	1		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	1		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	1		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	1		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	1		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping? 30 CFR 250.111	C	1		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C			1
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C			1
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	1		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	1		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas, has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	1		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C	1		
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties, during welding and burning operations, been designated as fire watch? 30 CFR 250.113(c)(2)	C	1		

INC#		CODE	YES	NO	N/A
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C			1
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C	1		
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W	1		
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			1
POLLUTION PREVENTION					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	1		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved? 30 CFR 250.300(b)(2)	C/S	1		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	1		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	1		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	1		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	1		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S			1
GENERAL					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	1		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S			1
DIRECTIONAL SURVEYS					
D-110	Are inclinational surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			1
D-113	Are directional surveys giving both inclinational and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells? 30 CFR 250.461(a)(2)	S			1
MOVING DRILLING RIGS					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (or as otherwise approved by the District Manager)? 30 CFR 250.406(b)	W/C			
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement, including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W	1		
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			
CASING PROGRAM					
D-150	Is casing set as approved? 30 CFR 250.420	W			
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			
D-153	Are drilling operations suspended when the safe margin, as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained? 30 CFR 250.427(b)	W/S			

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			1
D-155	If the hole for the drive and structure casing was drilled, was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes, with no more than 10% pressure drop during the test, (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones, at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD, has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			
D-172	Were remedial actions, approved by the District Manager, taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			
D-174	For the final casing string, did the operator install Dual Mechanical Barriers in addition to cement, to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			
BOP SYSTEMS AND COMPONENTS					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply, been equipped with manual overrides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			
D-203	Is an automatic backup accumulator-charging system, supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station, in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines? 30 CFR 250.443(c)	S			
D-207	Is each kill and choke line equipped with two full opening valves, with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly, is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly? 30 CFR 250.445(c)	S			
D-217	On a top-drive system equipped with a remote controlled valve, is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			
D-219	Are the inside BOP and full-opening drill-string safety valves, fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted? 30 CFR 250.445(e), 250.445(f)	S			
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			
D-223	Is the choke line installed on the BOP stack above the bottom ram? 30 CFR 250.443(d)(1)	S			
D-224	Is the Kill line installed on the BOP stack? 30 CFR 250.443(d)	S			
D-225	If a BOP control station or pod does not perform properly, are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack, are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth? 30 CFR 442(l)	S			
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7? 30 CFR 250.442 (c)	S			
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			
D-254	When the BOP test are postponed due to well control problems, is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes, 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			

INC#	WELL-CONTROL DRILLS	CODE	YES	NO	N/A
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			1
D-291	Is a copy of the <u>complete well-control plan</u> posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	1		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			1
DIVERTER SYSTEMS					
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, <u>actuation-tested</u> and the vent lines flow tested when installed? 30 CFR 250.433	W			
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			
D-314	Is the control station used during the diverter test or actuation <u>identified</u> ? 30 CFR 250.434(c)	W			
SURFACE DIVERTER SYSTEM					
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			
D-322	Is the spool outlet and diverter line nominal diameter at <u>least 10 inches</u> for surface wellhead configurations and at <u>least 12 inches</u> for floating drilling operations? 30 CFR 250.431(a)	S			
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			
D-326	Is diverter sealing elements and diverter valves pressure tested to a <u>minimum of 200 psi</u> when nipped up on conductor casing, with no more than <u>7 days elapsed time</u> between subsequent tests? 30 CFR 250.433(a)	W/S			
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for <u>surface diverter systems</u> ? 30 CFR 250.433(a), 250.433(c)	W			
D-334	Is vessel heading maintained to allow for downwind diversion on <u>dynamically</u> positions drill ships? 30 CFR 250.432(d)	S			
DRILLING FLUID PROGRAM					
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was <u>not</u> necessary? 30 CFR 250.456(a)	W			1
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level <u>decreases</u> the hydrostatic pressure by <u>75 psi</u> , or every <u>5 stands</u> of drill pipe, whichever gives a <u>lower</u> decrease in hydrostatic pressure? 30 CFR 250.456(c)	W			1
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W	1		

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			1
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	1		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	1		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the driller's report? 30 CFR 250.456(b), 250.456(h)	W			
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S	2		
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the driller's report? 30 CFR 250.456(i)	W			1
D-410	Is a drilling fluid-pit level indicator with <u>visual and audible warnings</u> installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30 CFR 250.457(b)	S	1		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, <u>installed with visual and audible warning alarms</u> ? 30 CFR 250.457(c)	S	1		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit <u>having immediate communication with the rig floor</u> ? 30 CFR 250.457(d)	S	1		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	1		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	1 ²		
	MUD PROGRAM				
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			1
	DRILLING FLUID HANDLING AREAS				
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	1		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	1		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	3		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	3		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	3		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	1		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			1
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	1		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	1		
	SECURING OF WELLS				
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			1

INC#	SUPERVISION, SURVEILLANCE, AND TRAINING	CODE	YES	NO	N/A
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W			1
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	1		
APPLICATION FOR PERMIT TO DRILL					
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S			1
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			1
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	1		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			1
BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION					
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			1
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			1
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			1
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			1
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			1
SUBSEA BOP SYSTEMS					
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W	3		
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S	1		
D-602	If Operator Activated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			1
STUMP TEST					
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			1
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			1
INITIAL INSTALLATION TEST					
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			1
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			1
HYDROGEN SULFIDE					
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	1		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	2		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	1		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	1		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	1		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	1		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	1		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W			1
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	1		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			1
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card? 30 CFR 250.490(g)(2)(i, ii)	W	1		
H-113	Is a first-aid kit, of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W	1		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	1		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use? 30 CFR 250.490(k)(3)(ii)	W/C	1		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S	1		
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	1		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	1		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	1		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	1		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	1		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	1		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator, available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	1		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	1		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C			1
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C			1

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C			1
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C			1
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S			1
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	1		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	1		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	1		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	3		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	1		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	1		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C	1		
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W			1
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	1		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S			1
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			1
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	1		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			
H-157	Is gas containing H2S not used for instrument gas, and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S			1
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			1
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			1
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			1
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			1
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			1
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			1
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			1
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			1

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S			
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W			
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W			
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W			
H-173	Are records of attendance in drills for drilling, well-completion, and well-workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W			
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S			
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months? 30 CFR 250.490(j)(11)(iv)	W/S			
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W			
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor? 30 CFR 250.490(j)(5)(iv)	C			
H-179	When drilling, are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone? 30 CFR 250.490(j)(7)(i)	W			
H-181	In areas classified as H2S Present, are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations? 30 CFR 250.490(j)(7)(i)	W/S			

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that was physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO - Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or was not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA - Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS highlighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection.

Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks: 9/8/2012: Completed hooking up and tensioning mooring lines. ROV survey of bottom. Prep to spud (MWD, lift BHA, set on bottom, etc)

* Bird strike

Carcass of storm petrel found in the skimmer tank @ ~6am. PSO notified and FWS contacted.

* Pollution Event (Marine Debris)

@ 1:15pm a 4' x 4' piece of plywood was blown over board by helicopter backdraft. Debris was not recovered.

(b) (4), (b) (9)

(b) (4), (b) (9)

(b) (4), (b) (9)

Public Information

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
OMB Approval Expires 10/31/2014

WELL ACTIVITY REPORT

RECEIVED

BEGINNING DATE: 9/08/2012 ENDING DATE: 9/09/2012

SEP 21 2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

CORRECTION CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT

GENERAL INFORMATION

1. API WELL NO. (10 digits) 55-352-0000200		2. OPERATOR NAME Shell Gulf of Mexico Inc	
3. WELL NAME <small>Posey 6764 OCS-Y 2280 001</small>	4. SIDETRACK NO. 00	5. BYPASS NO. 00	6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer		8. WATER DEPTH (surveyed) (ft) 150	9. ELEVATION AT KB (Surveyed) (ft) 46

10. CURRENT WELLBORE INFORMATION

SURFACE					BOTTOM						
LEASE NO.	AREA NAME	BLOCK NO.			LEASE NO.	BLOCK NO.					
OCS-Y 2280	Posey	6764			OCS-Y 2280	6764					
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
											LOW
					n/a				n/a	n/a	n/a

11. WELLBORE HISTORICAL INFORMATION

WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD
	OCS-Y 2280					

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY
Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

None of the following have occurred:

- ! Wireline logs (Report when acquired)
- ! Wireline Directionals (Report when acquired)
- ! Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
- ! Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
- ! PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)

Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

<input type="checkbox"/> Kick Occurrence	<input type="checkbox"/> Well Control Equipment Failure
<input type="checkbox"/> Shallow Water Flow	<input type="checkbox"/> H ₂ S Encounter
<input type="checkbox"/> Weather and Oceanographic Conditions	<input type="checkbox"/> New Technology Failure
<input type="checkbox"/> General Rig Equipment Failure	<input type="checkbox"/> Stuck Pipe
<input type="checkbox"/> Lost Returns	<input type="checkbox"/> Wellbore Integrity Failure
<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1018-0118
OMB Approval Expires 10/31/2014

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

SEP 11 2012

RECEIVED

WELL ACTIVITY REPORT

BEGINNING DATE: 9/08/2012 ENDING DATE: 9/09/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT												
GENERAL INFORMATION												
1. API WELL NO. (10 digits) 55-352-0000200						2. OPERATOR NAME Shell Gulf of Mexico Inc						
3. WELL NAME Burger A #001		4. SIDETRACK NO.		5. BYPASS NO.		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com						
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer						8. WATER DEPTH (surveyed) (ft) 150			9. ELEVATION AT KB (Surveyed) (ft) 46			
10. CURRENT WELLBORE INFORMATION												
SURFACE						BOTTOM						
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.				BLOCK NO.		
WELLBORE		START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE LOW HIGH	
11. WELLBORE HISTORICAL INFORMATION												
WELLBORE	BOTTOM LEASE	START DATE		TD DATE		PA DATE		FINAL MD		FINAL TVD		

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
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WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

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Shank, Michael L

From: Fesmire, Mark E
Sent: Sunday, September 09, 2012 1:49 AM
To: Shank, Michael L
Subject: Re: Bird strike and pollution event

Mike

I notified the EE group. They will take over enforcement once it makes the report.

Sudden yet?

Mark

Sent from my iPad

On Sep 8, 2012, at 8:18 PM, "Shank, Michael L" <Michael.Shank@bsee.gov> wrote:

Today there were two events that occurred.

1. At about 6am, a storm petrel was discovered in the skimmer tank. Discovery was reported to the PSO and to FWS. Carcass has been retained.
2. At 12:50pm, a Shell helicopter landed on the helideck. Near the helideck was a crate with a piece of plywood (4'x4') covering it, and tied down under a tarp. At 1:15pm, the helicopter began its takeoff and the downdraft dislodged the plywood and fell overboard. A man overboard boat was launched from the Tor Viking but was unable to recover the debris.

I was informed of the pollution event at 5:30pm and of the bird strike at 6pm.

From: [Shank, Michael L](#)
To: [Fesmire, Mark E](#); [Walker, Jeffrey](#); [Monkelien, Kyle](#); [Crumrine, Kathleen](#); [Howell, Randy](#)
Subject: Spud information
Date: Sunday, September 09, 2012 5:22:44 AM

Shell spudded the Burger A well this morning at 4:30am. Official information will be coming in the Daily report when they finish writing it up.

-Mike

From: [Shank, Michael L](#)
To: [Monkelien, Kyle](#)
Subject: RE: Daily reports
Date: Sunday, September 09, 2012 8:32:46 AM

Daily Report 9/8/2012

Continued mooring operations; Commission cement unit; picked up drilling BHAs; Tension anchor lines and get centered over location; ROV survey of bottom @ 1921; Finish making up BHA and run in MWD tools

-Mike

From: Monkelien, Kyle
Sent: Saturday, September 08, 2012 4:54 PM
To: Shank, Michael L
Subject: Re: Daily reports

Thanks mike that's about what I expect at Least via email. Thanks

From: Shank, Michael L
Sent: Saturday, September 08, 2012 06:52 PM
To: Monkelien, Kyle
Subject: RE: Daily reports

9-6-2012: move under tow to the lease location; set first anchor down (ship's anchor) @2116; picked up anchor and re-set it @2152; hooked up to anchor #6 @ 2355

9-7-2012: hooked up anchors #2, 4, and 8; Randy completes pre-drill inspection and gives verbal approval to begin drilling operations; continuing to hook up anchors and tension them while making preparations to spud (mixing mud, picking up BHA, etc.).

There is more detail in the reports, but this is a brief synopsis. Right now, they are having difficulty tensioning the last anchor so spud as been delayed perhaps to early morning. Probably won't hear about spud until the morning report.

-Mike

From: Monkelien, Kyle
Sent: Saturday, September 08, 2012 2:22 PM
To: Shank, Michael L
Subject: Re: Daily reports

Sounds good send me a synopsis when you get the report and I will forward the info to my mail list. We are already working the submittal process with the office so will work that out on monday. Stay warm and see you later

From: Shank, Michael L
Sent: Saturday, September 08, 2012 03:35 PM
To: Howell, Randy; Fesmire, Mark E; Monkelien, Kyle; Walker, Jeffrey
Subject: Daily reports

One of Shell's engineers has told me that they want to deliver the daily activity reports to me until Mark returns to Anchorage. At which time, they will discuss with Mark how the reports will be handled. They are using the BSEE-0133 forms that are used for weekly reports in GOMR.

They plan to spud sometime today, I will email you the time when it happens. There has not been any accidents or pollution events.

-Mike

Shank, Michael L

From: Fesmire, Mark E
Sent: Sunday, September 09, 2012 3:05 PM
To: Monkeliën, Kyle
Cc: Shank, Michael L; Howell, Randy; Crumrine, Kathleen; Walker, Jeffrey
Subject: Re: Ice hazard moving towards drill site

Kyle

Would you be so kind as to notify the slope entities, the Coast Guard and Jim Kendal?

Thanks for the voice mail. I concur with your decision. Good job!

Mark

Sent from my iPad

On Sep 9, 2012, at 2:53 PM, "Monkeliën, Kyle" <Kyle.Monkeliën@bsee.gov> wrote:

I just received a call from shell to request permission to complete the temporary abandonment of the pilot hole using the procedures outlined in their request procedure document. I gave verbal approval to start the process and requested an apm be submitted via email. I also informed them they would need to submit an apm when they were ready to re-enter the well. Please call if you have any questions.

(b)(6)
Kyle

From: Shank, Michael L
Sent: Sunday, September 09, 2012 03:32 PM
To: Fesmire, Mark E; Monkeliën, Kyle; Howell, Randy; Crumrine, Kathleen; Walker, Jeffrey
Subject: Ice hazard moving towards drill site

This morning's ice report showed a large ice pack encroaching on our location. Following to the Ice Management Plan, the decision has been made to secure the well and begin preparations to move off location. They will be displacing the drilling fluid in the hole with a heavy brine solution then start disconnecting and picking up anchor lines. With regards to notification, they will be submitting an APM for the move to our office on Monday (possibly Tuesday though).

-Mike

BSEE DRILLING PING LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer

INSPECTION DATE 9/9/2012

INSPECTORS NAME Michael Shank

Burger A 001

MODIFIED August 2012

Gcs-Y 2280

API: 5535200002

Posey 6764

INC#	IDENTIFICATION	CODE	YES	NO	N/A
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	1		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S			
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S			
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S			
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	1		
G-114	Are operations conducted in accordance with Lease Stipulations? 30 CFR 250.101	W/C/S	1		
G-115	Are operations conducted in accordance with Approved Applications? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	1		
G-116	Are operations conducted in accordance with Approved Plans? 30 CFR 250.200, 254.2	W/C/S	1		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters? 30 CFR 250.112(a), 803(b)(5)(i)	C			
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5? 30 CFR 250.803(b)(5)	C			
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			
G-155	Are diesel engines equipped with an air intake shut down device? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C			
G-156	For diesel engines that are not continuously manned, is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C			
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	1		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	1		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	1		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	1		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	1		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping? 30 CFR 250.111	C	1		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	1		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	1		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	1		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	1		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas, has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	1		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C			1
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties, during welding and burning operations, been designated as fire watch? 30 CFR 250.113(c)(2)	C			1

INC#		CODE	YES	NO	N/A
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C			1
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C			1
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W			1
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			1
POLLUTION PREVENTION					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	1		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved? 30 CFR 250.300(b)(2)	C/S	1		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge ? 30 CFR 250.300(b)(4)	W/C/S	1		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	1		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	1		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	1		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S			1
GENERAL					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	1		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S			1
DIRECTIONAL SURVEYS					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			1
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells? 30 CFR 250.461(a)(2)	S			
MOVING DRILLING RIGS					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (or as otherwise approved by the District Manager)? 30 CFR 250.406(b)	W/C			
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement, including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W	1		
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			
CASING PROGRAM					
D-150	Is casing set as approved? 30 CFR 250.420	W			
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			
D-153	Are drilling operations suspended when the safe margin, as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained? 30 CFR 250.427(b)	W/S			

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			
D-155	If the hole for the drive and structure casing was drilled, was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes, with no more than 10% pressure drop during the test, (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones, at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD, has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			
D-172	Were remedial actions, approved by the District Manager, taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			
D-174	For the final casing string, did the operator install Dual Mechanical Barriers in addition to cement, to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			
BOP SYSTEMS AND COMPONENTS					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply, been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(e)	S			
D-203	Is an automatic backup accumulator-charging system, supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station, in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines? 30 CFR 250.443(c)	S			
D-207	Is each kill and choke line equipped with two full opening valves, with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly, is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly? 30 CFR 250.445(c)	S			
D-217	On a top-drive system equipped with a remote controlled valve, is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			
D-219	Are the inside BOP and full-opening drill-string safety valves, fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted? 30 CFR 250.445(e), 250.445(f)	S			
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			
D-223	Is the choke line installed on the BOP stack above the bottom ram? 30 CFR 250.443(d)(1)	S			
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			
D-225	If a BOP control station or pod does not perform properly, are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack, are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth? 30 CFR 442(l)	S			
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7? 30 CFR 250.442 (c)	S			
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			
D-254	When the BOP test are postponed due to well control problems, is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes, 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			

INC#	WELL-CONTROL DRILLS	CODE	YES	NO	N/A
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			
D-291	Is a copy of the <u>complete well-control plan</u> posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W			
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			
	DIVERTER SYSTEMS				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, <u>actuation-tested</u> and the vent lines flow tested when installed? 30 CFR 250.433	W			
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			
D-314	Is the control station used during the diverter test or actuation <u>identified</u> ? 30 CFR 250.434(c)	W			
	SURFACE DIVERTER SYSTEM				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			
D-322	Is the spool outlet and diverter line nominal diameter at <u>least 10 inches</u> for surface wellhead configurations and at <u>least 12 inches</u> for floating drilling operations? 30 CFR 250.431(a)	S			
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			
D-326	Is diverter sealing elements and diverter valves pressure tested to a <u>minimum of 200 psi</u> when nipped up on conductor casing, with no more than <u>7 days elapsed time</u> between subsequent tests? 30 CFR 250.433(a)	W/S			
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for <u>surface diverter systems</u> ? 30 CFR 250.433(a), 250.433(c)	W			
D-334	Is vessel heading maintained to allow for downwind diversion on <u>dynamically-positions</u> drill ships? 30 CFR 250.432(d)	S			
	DRILLING FLUID PROGRAM				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W			1
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level <u>decreases</u> the hydrostatic pressure by <u>75 psi</u> , or <u>every 5 stands</u> of drill pipe, whichever gives a <u>lower</u> decrease in hydrostatic pressure? 30 CFR 250.456(c)	W			
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W	1		

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			/
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	/		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	/		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S	/		
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W	/		
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	/		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	/		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	/		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	/		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	/		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	/		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			/
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	/		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	/		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	/		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	3		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	3		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	/		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			/
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	/		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	/		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			/

INC#	SUPERVISION, SURVEILLANCE, AND TRAINING	CODE	YES	NO	N/A
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	1		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	1		
APPLICATION FOR PERMIT TO DRILL					
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S			1
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			1
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	1		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			1
BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION					
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			1
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			1
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			1
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			1
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			1
SUBSEA BOP SYSTEMS					
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(f)	S			
D-602	If Operator Activated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			
STUMP TEST					
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			
INITIAL INSTALLATION TEST					
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			
HYDROGEN SULFIDE					
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	1		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	1		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	1		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	1		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	1		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	1		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	1		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W			1
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	1		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			1
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card? 30 CFR 250.490(g)(2)(i, ii)	W	1		
H-113	Is a first-aid kit, of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W	1		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	1		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use? 30 CFR 250.490(k)(3)(ii)	W/C	1		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	1		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S	1		
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	1		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	1		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	1		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	2		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	1		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	1		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	1		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	1		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	1		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator, available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	1		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	1		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C			1
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C			1

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C			
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C			
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S			
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S			
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S			
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W			
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W			
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S			
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S			
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S			
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W			
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S			
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S			
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S			
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			
H-157	Is gas containing H2S not used for instrument gas, and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S			
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S			
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W			
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W			
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W			
H-173	Are records of attendance in drills for drilling, well-completion, and well-workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W			
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S			
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months? 30 CFR 250.490(j)(11)(iv)	W/S			
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W			
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor? 30 CFR 250.490(j)(5)(iv)	C			
H-179	When drilling, are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone? 30 CFR 250.490(j)(7)(i)	W			
H-181	In areas classified as H2S Present, are all H2S detectors tested once every 24 hours when conducting drilling operations, drill-stem testing, well testing, well-completion operations, or workover operations? 30 CFR 250.490(j)(7)(i)	W/S			

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection.

Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor	9-5-12	9-5-12	✓
Shale Shaker area	↓	↓	✓
Mud Pit Room	↓	↓	✓
Other locations	↓	↓	✓

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks: 9/9/2012: Spud well @ 0130

Ice encroachment; decision to move off location @ 1:15pm. Well secured and drill pipe + BHA pulled out and raked up. Begin unhooking and picking up anchor lines.

(b) (4), (b) (9)

(b) (4), (b) (9)

(b) (4), (b) (9)

(b) (4), (b) (9)

WELL ACTIVITY REPORT

BEGINNING DATE: 9/09/2012 ENDING DATE: 9/10/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

RECEIVED

SEP 21 2012

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-352-0000200					2. OPERATOR NAME Shell Gulf of Mexico Inc						
3. WELL NAME <small>Posey 6764 OCS-Y 2280 001</small>		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer						8. WATER DEPTH (surveyed) (ft) 150		9. ELEVATION AT KB (Surveyed) (ft) 48.5			
10. CURRENT WELLBORE INFORMATION											
SURFACE					BOTTOM						
LEASE NO.	AREA NAME	BLOCK NO.			LEASE NO.	BLOCK NO.					
OCS-Y 2280	Posey	6764			OCS-Y 2280	6764					
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					n/a				n/a	n/a	n/a
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS-Y 2280										

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY
Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

None of the following have occurred:

- ‡ Wireline logs (Report when acquired)
- ‡ Wireline Directionals (Report when acquired)
- ‡ Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
- ‡ Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
- ‡ PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)

Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

<input type="checkbox"/> Kick Occurrence	<input type="checkbox"/> Well Control Equipment Failure
<input type="checkbox"/> Shallow Water Flow	<input type="checkbox"/> H ₂ S Encounter
<input type="checkbox"/> Weather and Oceanographic Conditions	<input type="checkbox"/> New Technology Failure
<input type="checkbox"/> General Rig Equipment Failure	<input type="checkbox"/> Stuck Pipe
<input type="checkbox"/> Lost Returns	<input type="checkbox"/> Wellbore Integrity Failure
<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
OMB Approval Expires 10/31/2012

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

SEP 11 2012

RECEIVED

WELL ACTIVITY REPORT

BEGINNING DATE: 9/09/2012 ENDING DATE: 9/10/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
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3. WELL NAME Burger A #001		4. SIDETRACK NO.		5. BYPASS NO.		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com					
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SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.				BLOCK NO.	
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

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- | | |
|---|---|
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| <input type="checkbox"/> General Rig Equipment Failure | <input type="checkbox"/> Stuck Pipe |
| <input type="checkbox"/> Lost Returns | <input type="checkbox"/> Wellbore Integrity Failure |
| <input type="checkbox"/> Station Keeping Failure | <input type="checkbox"/> Other |

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

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From: [Shank, Michael L](#)
To: [Monkelien, Kyle](#); [Howell, Randy](#); [Fesmire, Mark E](#); [Walker, Jeffrey](#); [Crumrine, Kathleen](#)
Subject: Daily report
Date: Monday, September 10, 2012 8:36:43 AM

Daily Report
9/9/2012

(b) (4), (b) (9)

[REDACTED]

[REDACTED]

[REDACTED] POOH and re-racked BHA.

-Began detaching anchors. Buoys left near hole location to assist finding it when they return.

As of this morning, only two anchor cables are left to be retrieved. Estimated time to be ready to leave is 4-6 hours. Ice is ~9.5 miles from the drill site and has slowed to ~0.3-0.4 knots. (b) (4), (b) (9)
[REDACTED] Ice management vessel is monitoring the ice, but its ability to mitigate the ice hazard is limited due to the presence of walrus.

Do you still want me to send you these reports? I understand they are going to start sending daily reports to you in Anchorage.

-Mike

Shank, Michael L

From: Shank, Michael L
Sent: Monday, September 10, 2012 1:26 PM
To: Howell, Randy
Subject: RE: Spill response

I talked with the DII employees and they told me that their company had installed a cascade air system on the Tor Viking and provided protected breathing devices for the crew. The conex box that the air is in can be seen from the Discoverer. I can also try and sit in on the conference call in the morning with all the vessels and ask about it there.

On another topic, [REDACTED] (b) (5)

-Mike

From: Howell, Randy
Sent: Monday, September 10, 2012 12:08 PM
To: Shank, Michael L
Subject: RE: Spill response

For this you can go by Shell, and have Shell have it verify it by someone on the vessel.

randy

From: Shank, Michael L
Sent: Monday, September 10, 2012 12:03 PM
To: Howell, Randy
Subject: RE: Spill response

I'll work with the DII employees and if they don't have the info I need I'll talk to the company man. My only issue with going over there is that it seemed to make more sense to somehow get the witnessing we need without scheduling an extra trip to the vessel. Either way I'll get something moving by the end of this week if need be.

-Mike

From: Howell, Randy
Sent: Monday, September 10, 2012 11:58 AM
To: Shank, Michael L
Subject: RE: Spill response

Mike,

Talk to the Shell Company Rep and let them know what you would like to do, and you may be able to be transfer using the crane to the Tor Viking. If the Tor Viking has any spill response equipment then Christy Bohl will be over there at some point.

Or have Shell verify the all the required equipment is in place, also ask DII guys they are the ones that most likely installed the equipment on the Tor Viking, and responsible for maintenance for it.

Randy

From: Bohl, Christy
Sent: Monday, September 10, 2012 11:41 AM
To: Howell, Randy
Subject: RE: Spill response

Cool. You going to be on the rig the end of Sept?

From: Howell, Randy
Sent: Monday, September 10, 2012 11:40 AM
To: Bohl, Christy
Subject: RE: Spill response

Need to verify that it has the appropriate H2S equipment on board.

Finished the pre-drill on the disco, and the whale migration/ the native haven't the killed their allotted whales yet, so the Kulluk is able to go into the Beaufort.

From: Bohl, Christy
Sent: Monday, September 10, 2012 11:35 AM
To: Howell, Randy
Subject: RE: Spill response

If they have a skimmer on it, then yes I will. Why?

Welcome back. Why so soon?

From: Howell, Randy
Sent: Monday, September 10, 2012 11:32 AM
To: Bohl, Christy
Cc: Shank, Michael L
Subject: Spill response

Hi Christy,

When you are out witnessing Shells oil spill response will you be visiting the Tor Viking one of Shells anchor handling / stand by boats for the Disco?

Yes I'm back in the office

Randy

Industrial Specialist / Inspections
BSEE, Alaska Field Operations
(907)334-5305
Randy.howell@bsee.gov

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer **INSPECTION DATE** 9/10/2012

INSPECTORS NAME Michael Shank

MODIFIED August 2012

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	X		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	X		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	X		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	X		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	X		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	X		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	X		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	X		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C			X
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			X
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			X
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C			X
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C			X
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	X		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	X		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	X		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	X		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	X		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	X		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	X		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	X		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	X		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	X		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	X		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C			X
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C			X

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C			X
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C			X
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W			X
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			X
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S			
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S			X
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	X		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	X		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	X		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	X		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	X		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	X		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S	X		
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			X
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S	X		
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			X
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W	X		
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			X
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W			X
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			X
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			X
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			X

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W	X		
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			X
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			X
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			X
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			X
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			X
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			X
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			X
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			X
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			X
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			X
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			X
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			X
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			X
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			X
D-174	For the final casing string , did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			X
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			X
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			X
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			X
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			X
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			X
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			X

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			X
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			X
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			X
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			X
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			X
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			X
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			X
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			X
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			X
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			X
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			X
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			X
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			X
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			X
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S			X
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			X
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			X
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			X
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			X
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			X
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			X
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			X
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			X
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			X
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			X
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			X
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			X
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			X
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			X

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			X
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			X
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			X
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			X
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			X
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			X
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			X
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			X
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			X
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			X
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			X
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			X
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			X
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			X
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			X
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			X
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			X
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			X
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			X
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			X
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			X
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			X
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			X
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			X
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			X
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			X

INC#	WELL-CONTROL DRILLS	CODE	YES	NO	N/A
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			X
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	X		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			X
	DIVERTER SYSTEMS				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			X
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			X
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, <u>actuation-tested</u> and the vent lines flow tested when installed? 30 CFR 250.433	W			X
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			X
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			X
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			X
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			X
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			X
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			X
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			X
D-314	Is the control station used during the diverter test or actuation <u>identified</u> ? 30 CFR 250.434(c)	W			X
	SURFACE DIVERTER SYSTEM				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			X
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			X
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			X
D-322	Is the spool outlet and diverter line nominal diameter at <u>least 10 inches</u> for surface wellhead configurations and at <u>least 12 inches for floating drilling operations</u> ? 30 CFR 250.431(a)	S			X
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			X
D-326	Is diverter sealing elements and diverter valves pressure tested to a <u>minimum of 200 psi</u> when nipped up on conductor casing, with no more than <u>7 days elapsed time</u> between subsequent tests? 30 CFR 250.433(a)	W/S			X
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, <u>conducted at least once every 24 hour period alternating between control stations for surface diverter systems</u> ? 30 CFR 250.433(a), 250.433(c)	W			X
D-334	Is vessel heading maintained to allow for downwind diversion on <u>dynamically-positions drill ships</u> ? 30 CFR 250.432(d)	S			X
	DRILLING FLUID PROGRAM				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation <u>was not</u> necessary? 30 CFR 250.456(a)	W			X
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level <u>decreases the hydrostatic pressure by 75 psi</u> , or <u>every 5 stands of drill pipe</u> , whichever gives a <u>lower decrease in hydrostatic pressure</u> ? 30 CFR 250.456(c)	W	X		
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W	X		

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			X
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	X		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	X		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			X
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S	X		
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W	X		
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	X		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	X		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	12		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	X		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	X		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			X
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	X		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	X		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	X		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	3		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	3		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	X		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			X
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	X		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	12		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			X

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	X		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	X		
<u>APPLICATION FOR PERMIT TO DRILL</u>					
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S			X
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			X
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	X		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			X
<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>					
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			X
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			X
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			X
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			X
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			X
<u>SUBSEA BOP SYSTEMS</u>					
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			X
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			X
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			X
<u>STUMP TEST</u>					
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			X
<u>INITIAL INSTALLATION TEST</u>					
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			X
<u>HYDROGEN SULFIDE</u>					
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	X		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	2		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	X		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	X		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C			
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	X		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	X		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W	X		
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	X		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C	X		
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card ? 30 CFR 250.490(g)(2)(i, ii)	W	X		
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W	X		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	3		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C	X		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S	2		
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	X		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	X		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	2		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	X		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	X		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	X		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	X		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	X		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator, available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	2		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	X		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C	X		
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C			X

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C			X
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C	X		
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S	X		
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	X		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	X		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	X		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	X		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	X		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	X		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	X		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C	X		
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W			X
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	X		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S			X
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			X
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	X		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			X
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S			X
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S	X		
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			X
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			X
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			X
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			X
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			X
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			X
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			X

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			X
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S	X		
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W	X		
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W	X		
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W	X		
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W	X		
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S	X		
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months ? 30 CFR 250.490(j)(11)(iv)	W/S	X		
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W	X		
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			X
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			X
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S	X		

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:



EPA Inspection Form for Alaska

Outer Continental Shelf Oil and Gas Facilities

NPDES General Permit No. AKG280000

Location: Chukchi Sea 2012

Permittee: Shell

Permittee Representative
 Inspection Date
 Insp. Time (Start/End)
 Lease No.

9-10-2012	

Inspector Name
 Signature
 Well Name
 Block No.

Michael Shank
Burger A

Vessel (Circle One)

Noble Discoverer

Other

Discharge No. and Description	Comment (✓)	Yes	No	N/A
001 - Water-based Drilling Fluids and Drilling Cuttings				
Total Volume (Monthly estimate)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Flow Limitation (Hourly during discharge; estimate)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Suspended Particulate Phase Toxicity Test (Monthly; 30,000 ppm)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Free Oil - No Discharge (Static Sheen Test; Daily)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Free Oil - No Discharge (Visual; Daily)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Diesel Oil - No Discharge (Once per well and upon failure of static sheen test)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Barite Analysis for Mercury (≤ 1 mg/kg; once prior to drilling each well)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Barite Analysis for Cadmium (≤ 3 mg/kg; once prior to drilling each well)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chromium VI, Silver & Thallium (Once per well)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Total Aqueous Hydrocarbons (Once per well)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Total Aromatic Hydrocarbons (Once per well)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chemical inventory of all constituents added downhole	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
002 - Deck Drainage				
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Free Oil - No Discharge (Static Sheen Test; once per discharge event)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Aqueous Hydrocarbons (Once per discharge event)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Aromatic Hydrocarbons (Once per discharge event)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Contaminated drainage is processed through oil-water separator before discharge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
003 - Sanitary Wastes				
Flow (Daily; Measured/recorded)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BOD ₅ (30 mg/l Monthly Ave; 60 mg/L Daily Max; Weekly)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TSS (30 mg/l Monthly Ave; 60 mg/L Daily Max; Weekly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Floating Solids, Garbage, Foam, Oily Sheen Obs. - No Discharge (Daily; visual)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH (6.0-9.0; Monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fecal Coliform (100 c/100 mL Month Ave; 200 c/100 mL Daily Max; Monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Residual Chlorine (0.5 mg/L Monthly Ave; 1.0 mg/L Daily Max; Weekly)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
004 - Domestic Wastes				
Floating Solids, Garbage, Foam Obs. - No Discharge (Daily; visual)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flow (Monthly estimated)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH (6.5-8.5; monthly) <i>7.8</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Continued on Next Page

N

TO SK. over tank

NO Discharge →

NO Discharge

7.8

take pH, record monthly

	Comment (✓)	Yes	No	N/A
Discharge No. and Description				
005 – Desalination Unit Wastes				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Volume (Monthly estimated) 5k + 48 + 4.5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chemical inventory of quantities and rates added (none)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
006 – Blowout Preventer Fluid				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
009 – Non-contact Cooling Water				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Volume (Monthly estimated) 200k/day x 6	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chemical/Biocides inventory of type and quantity added	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
010 – Uncontaminated Ballast Water				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
011 – Bilge Water				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH (6.5-8.5; monthly) 5.5 may add soda ash	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bilge water is processed through oil-water separator before discharge	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
012 – Excess Cement Slurry				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
013 – Mud, Cuttings, Cement at Seafloor				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Total Volume (Monthly estimated) 1300 gal	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Miscellaneous Requirements – All Applicable Discharge Nos.				
Floating solids, debris, sludge, deposits, foam, scum or other residues causing nuisance, objectionable or detrimental conditions – No Discharge (Section II.A.4.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Visual monitoring in outfall vicinity at time of maximum estimated or measured discharge (Section II.A.10.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NOTE: Observations should be described in detail in the Comments section				

NO Discharge

NO Discharge

NO discharge



Comments (Continue on next page as needed)

9-4-2012: Helmet lost overboard lost overboard (not recovered)

9-8-2012: 4'x4' piece of plywood lost overboard (not recovered)

Comments (continued)

A large rectangular area containing numerous horizontal dotted lines, intended for handwritten comments.

(b) (4), (b) (9)

(b) (4), (b) (9)

(b) (4), (b) (9)

(b) (4), (b) (9)

Public Information

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
OMB Approval Expires 10/31/2014

RECEIVED

SEP 21 2012

WELL ACTIVITY REPORT

BEGINNING DATE: 9/10/2012 ENDING DATE: 9/11/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT										
GENERAL INFORMATION										
1. API WELL NO. (10 digits) 55-352-0000200					2. OPERATOR NAME Shell Gulf of Mexico Inc					
3. WELL NAME <small>Posey 6764 OCS-Y 2280 001</small>		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com				
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer					8. WATER DEPTH (surveyed) (ft) 150			9. ELEVATION AT KB (Surveyed) (ft) 48.5		
10. CURRENT WELLBORE INFORMATION										
SURFACE					BOTTOM					
LEASE NO.	AREA NAME	BLOCK NO.			LEASE NO.	BLOCK NO.				
OCS-Y 2280	Posey	6764			OCS-Y 2280	6764				
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE
										LOW
					n/a				n/a	n/a
11. WELLBORE HISTORICAL INFORMATION										
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD				
	OCS-Y 2280									

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY

Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

None of the following have occurred:

- Wireline logs (Report when acquired)
- Wireline Directionals (Report when acquired)
- Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
- Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
- PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)

Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

- Please check as many events from the list below:
- | | |
|---|---|
| <input type="checkbox"/> Kick Occurrence | <input type="checkbox"/> Well Control Equipment Failure |
| <input type="checkbox"/> Shallow Water Flow | <input type="checkbox"/> H ₂ S Encounter |
| <input type="checkbox"/> Weather and Oceanographic Conditions | <input type="checkbox"/> New Technology Failure |
| <input type="checkbox"/> General Rig Equipment Failure | <input type="checkbox"/> Stuck Pipe |
| <input type="checkbox"/> Lost Returns | <input type="checkbox"/> Wellbore Integrity Failure |
| <input type="checkbox"/> Station Keeping Failure | <input type="checkbox"/> Other |

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Public Information

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
OMB Approval Expires 10/31/2014

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

SEP 11 2012

RECEIVED

WELL ACTIVITY REPORT

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3. WELL NAME Burger A #001		4. SIDETRACK NO.		5. BYPASS NO.		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com					
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10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.				BLOCK NO.	
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
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| <input type="checkbox"/> General Rig Equipment Failure | <input type="checkbox"/> Stuck Pipe |
| <input type="checkbox"/> Lost Returns | <input type="checkbox"/> Wellbore Integrity Failure |
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WELL ACTIVITY REPORT

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From: [Shank, Michael L](#)
To: [Fesmire, Mark E](#); [Monkelien, Kyle](#); [Howell, Randy](#); [Crumrine, Kathleen](#); [Walker, Jeffrey](#)
Subject: Daily report
Date: Tuesday, September 11, 2012 8:51:12 AM

Daily Report
9/10/2012

- Unlatched anchor cables for rig move. Last cable disconnected @ 1300.
- Tow assisted move to safe location.
- Reached safe location (70° 50.3'N, 161° -43.0'W) @ 2230 and dropped ships anchor.

Waiting on ice.

-Mike

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer INSPECTION DATE 9/11/2012

INSPECTORS NAME Michael Shank

MODIFIED August 2012

INC#	IDENTIFICATION	CODE	YES	NO	N/A
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	X		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	X		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	X		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	X		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	X		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	X		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	X		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	X		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C			X
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			X
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			X
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C			X
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C			X
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	X		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	X		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	X		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	X		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	X		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	X		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	X		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	X		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	X		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	X		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	X		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C			X
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C			X

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C			X
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C			X
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W			X
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			X
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	X		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved? 30 CFR 250.300(b)(2)	C/S	X		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	X		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	X		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	X		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	X		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	X		X
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	X		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S			X
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S	X		
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells? 30 CFR 250.461(a)(2)	S	X		
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			X
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W	X		
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			X
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved? 30 CFR 250.420	W			X
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			X
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			X
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained? 30 CFR 250.427(b)	W/S			X

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			X
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			X
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			X
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			X
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			X
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			X
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			X
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			X
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			X
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			X
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			X
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			X
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			X
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			X
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			X
D-174	For the final casing string, did the operator install Dual Mechanical Barriers in addition to cement, to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			X
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			X
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			X
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			X
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			X
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			X
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			X

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			X
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			X
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			X
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			X
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			X
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			X
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			X
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			X
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			X
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			X
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			X
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			X
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			X
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			X
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S			X
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			X
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			X
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			X
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			X
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			X
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			X
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			X
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			X
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			X
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			X
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			X
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			X
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			X
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			X

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			X
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			X
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			X
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			X
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			X
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			X
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			X
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			X
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			X
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			X
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			X
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			X
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			X
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			X
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			X
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			X
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			X
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			X
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			X
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			X
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			X
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			X
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			X
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			X
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			X
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			X

<u>INC#</u>	<u>WELL-CONTROL DRILLS</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			X
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	X		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			X
	<u>DIVERTER SYSTEMS</u>				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			X
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			X
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, <u>actuation-tested</u> and the vent lines flow tested when installed? 30 CFR 250.433	W			X
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			X
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			X
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			X
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			X
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			X
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			X
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			X
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			X
D-314	Is the control station used during the diverter test or actuation <u>identified</u> ? 30 CFR 250.434(c)	W			X
	<u>SURFACE DIVERTER SYSTEM</u>				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			X
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			X
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			X
D-322	Is the spool outlet and diverter line nominal diameter at <u>least 10 inches</u> for surface wellhead configurations and at <u>least 12 inches for floating drilling operations</u> ? 30 CFR 250.431(a)	S			X
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			X
D-326	Is diverter sealing elements and diverter valves pressure tested to a <u>minimum of 200 psi</u> when nipped up on conductor casing, with no more than <u>7 days elapsed time</u> between subsequent tests? 30 CFR 250.433(a)	W/S			X
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, <u>conducted at least once every 24 hour period alternating between control stations for surface diverter systems</u> ? 30 CFR 250.433(a), 250.433(c)	W			X
D-334	Is vessel heading maintained to allow for downwind diversion on <u>dynamically-positions drill ships</u> ? 30 CFR 250.432(d)	S			X
	<u>DRILLING FLUID PROGRAM</u>				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation <u>was not</u> necessary? 30 CFR 250.456(a)	W			X
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level <u>decreases the hydrostatic pressure by 75 psi</u> , or <u>every 5 stands of drill pipe</u> , whichever gives a <u>lower decrease in hydrostatic pressure</u> ? 30 CFR 250.456(c)	W			X
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W	X		

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			X
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	X		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	X		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			X
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			X
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			X
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	X		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	X		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	3		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	X		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	X		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			X
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	X		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	X		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	X		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	X		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	5		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	X		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			X
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	X		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	12		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			X

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W			X
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	X		
	<u>APPLICATION FOR PERMIT TO DRILL</u>				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S			X
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			X
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	X		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			X
	<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S	X		
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S	X		
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S	X		
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S	X		
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S	X		
	<u>SUBSEA BOP SYSTEMS</u>				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			X
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			X
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			X
	<u>STUMP TEST</u>				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			X
	<u>INITIAL INSTALLATION TEST</u>				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			X
	<u>HYDROGEN SULFIDE</u>				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	X		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	X		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	X		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	X		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	X		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	X		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	X		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W	X		
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	X		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C	X		
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card? 30 CFR 250.490(g)(2)(i, ii)	W	X		
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W	X		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	X		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C	X		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			X
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	X		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	X		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	X		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	X		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	X		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	X		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	X		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	X		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C	X		
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C	X		

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C	X		
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C	X		
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S	X		
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	X		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	X		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	X		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	X		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	X		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	X		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W	X		
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	X		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S	X		
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S	X		
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	X		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			X
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S	X		
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			X
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			X
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			X
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			X
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			X
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			X
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			X
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			X

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			X
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S	X		
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W	X		
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W	X		
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W	X		
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W	X		
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S	X		
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months? 30 CFR 250.490(j)(11)(iv)	W/S	X		
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W	X		
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			X
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S	X		

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that was physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

(b) (4), (b) (9)

(b) (4), (b) (9)

(b) (4), (b) (9)

(b) (4), (b) (9)

Public Information

U.S. Department of the Interior
 Bureau of Safety and Environmental
 Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
 OMB Approval Expires 10/31/2014

WELL ACTIVITY REPORT

RECEIVED

SEP 21 2012

BEGINNING DATE: 9/11/2012 ENDING DATE: 9/12/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-352-0000200						2. OPERATOR NAME Shell Gulf of Mexico Inc					
3. WELL NAME <small>Posey 6764 OCS-Y 2280 001</small>		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer						8. WATER DEPTH (surveyed) (ft) 150		9. ELEVATION AT KB (Surveyed) (ft) 46			
10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.				BLOCK NO.	
OCS-Y 2280		Posey		6764		OCS-Y 2280				6764	
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					n/a				n/a	n/a	n/a
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS-Y 2280										

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY
Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

None of the following have occurred:

- † Wireline logs (Report when acquired)
- † Wireline Directionals (Report when acquired)
- † Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
- † Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
- † PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)

Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

- Please check as many events from the list below:
- | | |
|---|---|
| <input type="checkbox"/> Kick Occurrence | <input type="checkbox"/> Well Control Equipment Failure |
| <input type="checkbox"/> Shallow Water Flow | <input type="checkbox"/> H ₂ S Encounter |
| <input type="checkbox"/> Weather and Oceanographic Conditions | <input type="checkbox"/> New Technology Failure |
| <input type="checkbox"/> General Rig Equipment Failure | <input type="checkbox"/> Stuck Pipe |
| <input type="checkbox"/> Lost Returns | <input type="checkbox"/> Wellbore Integrity Failure |
| <input type="checkbox"/> Station Keeping Failure | <input type="checkbox"/> Other |

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Hemdon, VA 20170.

Public Information

U.S. Department of the Interior
 Bureau of Safety and Environmental
 Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
 OMB Approval Expires 10/31/2014

RECEIVED

SEP 12 2012

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

WELL ACTIVITY REPORT

BEGINNING DATE: 9/11/2012 ENDING DATE: 9/12/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

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7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer						8. WATER DEPTH (surveyed) (ft) 150			9. ELEVATION AT KB (Surveyed) (ft) 48.5		
10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.				BLOCK NO.	
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					

WELL ACTIVITY REPORT

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TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
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From: [Shank, Michael L](#)
To: [Fesmire, Mark E](#); [Monkelien, Kyle](#); [Howell, Randy](#); [Crumrine, Kathleen](#); [Walker, Jeffrey](#)
Subject: Daily report
Date: Wednesday, September 12, 2012 8:19:59 AM

Daily Report
9/11/2012

- Waiting on ice at the same location as yesterday
- Crew performing rig maintenance

Ice report this morning predicts poor conditions at the well site. Long term forecast is that they might not be able to move back on until Friday, but conditions could change for better or worse. Ice management vessels are on location attempting to manage ice away from the anchor buoys. Ice pack is breaking up, but there is still many large unmanageable pieces floating around.

-Mike

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer INSPECTION DATE 9/12/2012

INSPECTORS NAME Michael Shank

MODIFIED August 2012

INC#	IDENTIFICATION	CODE	YES	NO	N/A
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	X		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	X		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	X		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	X		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	X		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	X		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	X		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	X		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C			X
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			X
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			X
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C			X
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C			X
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	X		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	X		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	X		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	X		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	X		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	X		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	X		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	X		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	X		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	X		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	X		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C			X
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C			X

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C			X
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C			X
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W			X
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			X
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	X		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved? 30 CFR 250.300(b)(2)	C/S	X		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	X		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	X		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	X		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	X		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	X		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	X		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S			X
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S	X		
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells? 30 CFR 250.461(a)(2)	S	X		
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			X
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W	X		
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			X
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved? 30 CFR 250.420	W			X
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			X
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			X
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained? 30 CFR 250.427(b)	W/S			X

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			X
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			X
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			X
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			X
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			X
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			X
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			X
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			X
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			X
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			X
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			X
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			X
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			X
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			X
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			X
D-174	For the final casing string, did the operator install Dual Mechanical Barriers in addition to cement, to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			X
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			X
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			X
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			X
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			X
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			X
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			X

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			X
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			X
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			X
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			X
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			X
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			X
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			X
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			X
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			X
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			X
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			X
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			X
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			X
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			X
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S			X
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			X
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			X
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			X
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			X
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			X
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			X
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			X
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			X
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			X
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			X
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			X
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			X
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			X
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			X

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			X
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			X
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			X
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			X
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			X
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			X
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			X
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			X
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			X
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			X
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			X
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			X
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers <u>recorded</u> in the driller's report? 30 CFR 250.450	W			X
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			X
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			X
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			X
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			X
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			X
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			X
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			X
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			X
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			X
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			X
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			X
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			X
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			X

<u>INC#</u>	<u>WELL-CONTROL DRILLS</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			X
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	X		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			X
	<u>DIVERTER SYSTEMS</u>				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			X
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			X
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, <u>actuation-tested</u> and the vent lines flow tested when installed? 30 CFR 250.433	W			X
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			X
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			X
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			X
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			X
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			X
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			X
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			X
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			X
D-314	Is the control station used during the diverter test or actuation <u>identified</u> ? 30 CFR 250.434(c)	W			X
	<u>SURFACE DIVERTER SYSTEM</u>				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			X
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			X
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			X
D-322	Is the spool outlet and diverter line nominal diameter at <u>least 10 inches</u> for surface wellhead configurations and at <u>least 12 inches for floating drilling operations</u> ? 30 CFR 250.431(a)	S			X
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			X
D-326	Is diverter sealing elements and diverter valves pressure tested to a <u>minimum of 200 psi</u> when nipped up on conductor casing, with no more than <u>7 days elapsed time</u> between subsequent tests? 30 CFR 250.433(a)	W/S			X
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, <u>conducted at least once every 24 hour period alternating between control stations for surface diverter systems</u> ? 30 CFR 250.433(a), 250.433(c)	W			X
D-334	Is vessel heading maintained to allow for downwind diversion on <u>dynamically-positions drill ships</u> ? 30 CFR 250.432(d)	S			X
	<u>DRILLING FLUID PROGRAM</u>				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation <u>was not</u> necessary? 30 CFR 250.456(a)	W			X
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level <u>decreases the hydrostatic pressure by 75 psi</u> , or <u>every 5 stands of drill pipe</u> , whichever gives a <u>lower decrease in hydrostatic pressure</u> ? 30 CFR 250.456(c)	W			X
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W	X		

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W	X		
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	X		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	X		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			X
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			X
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			X
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	X		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	X		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	3		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	X		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	X		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			X
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	X		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	X		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	X		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	X		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	5		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	X		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			X
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	X		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	12		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			X

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W			X
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	X		
	<u>APPLICATION FOR PERMIT TO DRILL</u>				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S			X
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			X
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	X		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			X
	<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S	X		
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S	X		
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S	X		
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S	X		
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S	X		
	<u>SUBSEA BOP SYSTEMS</u>				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			X
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			X
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			X
	<u>STUMP TEST</u>				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			X
	<u>INITIAL INSTALLATION TEST</u>				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			X
	<u>HYDROGEN SULFIDE</u>				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	X		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	X		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	X		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	X		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	X		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	X		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	X		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W	X		
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	X		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C	X		
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card ? 30 CFR 250.490(g)(2)(i, ii)	W	X		
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility ? 30 CFR 250.490(k)(3)(i)	W	X		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	X		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C	X		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more ? 30 CFR 250.490(i)(2)(i)	W/S			X
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	X		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	X		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	X		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	X		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel ? 30 CFR 250.490(k)(1)(i)	W	X		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	X		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	X		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use ? 30 CFR 250.490(j)(13)(iv)	C/S	X		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member ? 30 CFR 250.490(j)(13)(vii)	C	X		
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan ? 30 CFR 250.490(j)(13)(viii)	C	X		

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C	X		
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C	X		
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S	X		
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	X		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	X		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	X		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	X		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	X		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	X		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W	X		
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	X		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S	X		
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S	X		
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	X		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			X
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S	X		
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			X
H-160	When conducting coring operations , is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			X
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			X
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			X
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			X
H-164	During stripping operations , is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			X
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			X
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			X

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			X
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S	X		
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W	X		
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W	X		
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W	X		
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W	X		
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S	X		
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months ? 30 CFR 250.490(j)(11)(iv)	W/S	X		
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W	X		
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			X
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S	X		

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

(b) (4), (b) (9)

(b) (4), (b) (9)

(b) (4), (b) (9)

(b) (4), (b) (9)

WELL ACTIVITY REPORT

RECEIVED

SEP 21 2012

BEGINNING DATE: 9/12/2012 **ENDING DATE:** 9/13/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-352-0000200					2. OPERATOR NAME Shell Gulf of Mexico Inc						
3. WELL NAME <small>Posey 6764 OCS-Y 2280 001</small>		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer						8. WATER DEPTH (surveyed) (ft) 150		9. ELEVATION AT KB (Surveyed) (ft) 48.5			
10. CURRENT WELLBORE INFORMATION											
SURFACE					BOTTOM						
LEASE NO.	AREA NAME		BLOCK NO.		LEASE NO.			BLOCK NO.			
OCS-Y 2280	Posey		6764		OCS-Y 2280			6764			
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					n/a				n/a	n/a	n/a
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS-Y 2280										

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY
Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

None of the following have occurred:

- † Wireline logs (Report when acquired)
- † Wireline Directionals (Report when acquired)
- † Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
- † Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
- † PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)

Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

<input type="checkbox"/> Kick Occurrence	<input type="checkbox"/> Well Control Equipment Failure
<input type="checkbox"/> Shallow Water Flow	<input type="checkbox"/> H ₂ S Encounter
<input type="checkbox"/> Weather and Oceanographic Conditions	<input type="checkbox"/> New Technology Failure
<input type="checkbox"/> General Rig Equipment Failure	<input type="checkbox"/> Stuck Pipe
<input type="checkbox"/> Lost Returns	<input type="checkbox"/> Wellbore Integrity Failure
<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Public Information

U.S. Department of the Interior
 Bureau of Safety and Environmental
 Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
 OMB Approval Expires 10/31/2014

WELL ACTIVITY REPORT

BEGINNING DATE: 9/12/2012 ENDING DATE: 9/13/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
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3. WELL NAME <small>Posey 6764 OCS-Y 2280 001</small>		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer						8. WATER DEPTH (surveyed) (ft) 150			9. ELEVATION AT KB (Surveyed) (ft) 48.5		
10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.				BLOCK NO.	
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					

Public Information

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
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- | | |
|---|---|
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| <input type="checkbox"/> Weather and Oceanographic Conditions | <input type="checkbox"/> New Technology Failure |
| <input type="checkbox"/> General Rig Equipment Failure | <input type="checkbox"/> Stuck Pipe |
| <input type="checkbox"/> Lost Returns | <input type="checkbox"/> Wellbore Integrity Failure |
| <input type="checkbox"/> Station Keeping Failure | <input type="checkbox"/> Other |

Public Information

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

From: [Shank, Michael L](#)
To: [Fesmire, Mark E](#); [Monkelien, Kyle](#); [Howell, Randy](#); [Walker, Jeffrey](#); [Crumrine, Kathleen](#)
Subject: Daily report
Date: Thursday, September 13, 2012 8:02:07 AM

Daily Report
9/12/2012

-Waiting on ice at same location.

Morning ice report forecasts that the Discoverer will be able to move back onto location on Sunday at the earliest, if the wind cooperates. No pollution or accidents. Crew performing maintenance and housekeeping.

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer INSPECTION DATE 9/13/2012

INSPECTORS NAME Michael Shank

MODIFIED August 2012

INC#	IDENTIFICATION	CODE	YES	NO	N/A
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	X		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	X		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	X		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	X		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	X		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	X		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	X		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	X		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C			X
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			X
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			X
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C			X
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C			X
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	X		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	X		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	X		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	X		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	X		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	X		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	X		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	X		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	X		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	X		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	X		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C			X
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C			X

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C			X
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C			X
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W			X
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			X
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	X		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S	X		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	X		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	X		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	X		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	X		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	X		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	X		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S			X
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S	X		
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S	X		
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			X
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W	X		
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			X
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W			X
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			X
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			X
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			X

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			X
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			X
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			X
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.421(c)	W/S			X
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.423(a)	W/S			X
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			X
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			X
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			X
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			X
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			X
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			X
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			X
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			X
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			X
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			X
D-174	For the final casing string, did the operator install Dual Mechanical Barriers in addition to cement, to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			X
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			X
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			X
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			X
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			X
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			X
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			X

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			X
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			X
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			X
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			X
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			X
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			X
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			X
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			X
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			X
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			X
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			X
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			X
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			X
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			X
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S			X
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			X
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			X
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			X
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			X
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			X
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			X
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			X
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			X
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			X
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			X
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			X
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			X
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			X
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			X

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			X
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			X
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			X
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			X
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			X
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			X
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			X
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			X
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			X
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			X
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			X
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			X
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers <u>recorded</u> in the driller's report? 30 CFR 250.450	W			X
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			X
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			X
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			X
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			X
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			X
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			X
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			X
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			X
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			X
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			X
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			X
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			X
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			X

<u>INC#</u>	<u>WELL-CONTROL DRILLS</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			X
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	X		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			X
	<u>DIVERTER SYSTEMS</u>				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			X
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			X
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, <u>actuation-tested</u> and the vent lines flow tested when installed? 30 CFR 250.433	W			X
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			X
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			X
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			X
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			X
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			X
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			X
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			X
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			X
D-314	Is the control station used during the diverter test or actuation <u>identified</u> ? 30 CFR 250.434(c)	W			X
	<u>SURFACE DIVERTER SYSTEM</u>				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			X
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			X
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			X
D-322	Is the spool outlet and diverter line nominal diameter at <u>least 10 inches</u> for surface wellhead configurations and at <u>least 12 inches for floating drilling operations</u> ? 30 CFR 250.431(a)	S			X
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			X
D-326	Is diverter sealing elements and diverter valves pressure tested to a <u>minimum of 200 psi</u> when nipped up on conductor casing, with no more than <u>7 days elapsed time</u> between subsequent tests? 30 CFR 250.433(a)	W/S			X
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, <u>conducted at least once every 24 hour period alternating between control stations for surface diverter systems</u> ? 30 CFR 250.433(a), 250.433(c)	W			X
D-334	Is vessel heading maintained to allow for downwind diversion on <u>dynamically-positions drill ships</u> ? 30 CFR 250.432(d)	S			X
	<u>DRILLING FLUID PROGRAM</u>				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation <u>was not</u> necessary? 30 CFR 250.456(a)	W			X
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level <u>decreases the hydrostatic pressure by 75 psi</u> , or <u>every 5 stands of drill pipe</u> , whichever gives a <u>lower decrease in hydrostatic pressure</u> ? 30 CFR 250.456(c)	W			X
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W	X		

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W	X		
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	X		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	X		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			X
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			X
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			X
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	X		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	X		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	3		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	X		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	X		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			X
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	X		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	X		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	X		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	X		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	5		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	X		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			X
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	X		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	12		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			X

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W			X
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	X		
	<u>APPLICATION FOR PERMIT TO DRILL</u>				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S			X
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			X
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	X		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			X
	<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			X
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			X
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			X
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			X
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			X
	<u>SUBSEA BOP SYSTEMS</u>				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			X
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			X
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			X
	<u>STUMP TEST</u>				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			X
	<u>INITIAL INSTALLATION TEST</u>				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			X
	<u>HYDROGEN SULFIDE</u>				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	X		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	X		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	X		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	X		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	X		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	X		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	X		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W	X		
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	X		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			X
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card? 30 CFR 250.490(g)(2)(i, ii)	W	X		
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W	X		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	X		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C	X		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			X
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	X		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	X		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	X		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	X		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	X		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	X		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	X		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	X		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C	X		
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C	X		

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C	X		
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C	X		
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S	X		
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	X		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	X		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	X		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	X		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	X		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	X		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W	X		
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	X		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S	X		
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			X
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	X		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			X
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S	X		
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			X
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			X
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			X
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			X
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			X
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			X
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			X
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			X

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			X
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S	X		
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W	X		
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W	X		
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W	X		
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W	X		
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S	X		
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months ? 30 CFR 250.490(j)(11)(iv)	W/S	X		
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W	X		
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			X
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			X
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S	X		

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

(b) (4), (b) (9)

(b) (4), (b) (9)



SEP 21 2012

WELL ACTIVITY REPORT

BEGINNING DATE: 9/13/2012 ENDING DATE: 9/14/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-352-0000200						2. OPERATOR NAME Shell Gulf of Mexico Inc					
3. WELL NAME <small>Posey 6764 OCS-Y 2280 001</small>		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer						8. WATER DEPTH (surveyed) (ft) 150		9. ELEVATION AT KB (Surveyed) (ft) 48.5			
10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.		BLOCK NO.			
OCS-Y 2280		Posey		6764		OCS-Y 2280		6764			
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					n/a				n/a	n/a	n/a
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS-Y 2280										

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY
Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

None of the following have occurred:

- Wireline logs (Report when acquired)
- Wireline Directionals (Report when acquired)
- Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
- Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
- PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)

Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

<input type="checkbox"/> Kick Occurrence	<input type="checkbox"/> Well Control Equipment Failure
<input type="checkbox"/> Shallow Water Flow	<input type="checkbox"/> H ₂ S Encounter
<input type="checkbox"/> Weather and Oceanographic Conditions	<input type="checkbox"/> New Technology Failure
<input type="checkbox"/> General Rig Equipment Failure	<input type="checkbox"/> Stuck Pipe
<input type="checkbox"/> Lost Returns	<input type="checkbox"/> Wellbore Integrity Failure
<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Public Information

U.S. Department of the Interior
 Bureau of Safety and Environmental
 Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
 OMB Approval Expires 10/31/2014

WELL ACTIVITY REPORT

BEGINNING DATE: 9/13/2012 ENDING DATE: 9/14/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-352-0000200						2. OPERATOR NAME Shell Gulf of Mexico Inc					
3. WELL NAME <small>Possey 6764 OCS-Y 2280 001</small>		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer						8. WATER DEPTH (surveyed) (ft) 150			9. ELEVATION AT KB (Surveyed) (ft) 48.5		
10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.				BLOCK NO.	
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY
 Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

None of the following have occurred:

- † Wireline logs (Report when acquired)
- † Wireline Directionals (Report when acquired)
- † Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
- † Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
- † PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)

Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

<input type="checkbox"/> Kick Occurrence	<input type="checkbox"/> Well Control Equipment Failure
<input type="checkbox"/> Shallow Water Flow	<input type="checkbox"/> H ₂ S Encounter
<input type="checkbox"/> Weather and Oceanographic Conditions	<input type="checkbox"/> New Technology Failure
<input type="checkbox"/> General Rig Equipment Failure	<input type="checkbox"/> Stuck Pipe
<input type="checkbox"/> Lost Returns	<input type="checkbox"/> Wellbore Integrity Failure
<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other

Public Information

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

From: [Shank, Michael L](#)
To: [Fesmire, Mark E](#); [Walker, Jeffrey](#); [Crumrine, Kathleen](#); [Monkelien, Kyle](#); [Howell, Randy](#)
Subject: Daily report
Date: Friday, September 14, 2012 8:21:03 AM

Daily Report
9/13/2012

-Waiting on ice at same location

This morning's ice report forecasted that they would not be able to return to the drill site until Monday or Tuesday at the earliest. They are hoping a low pressure front this weekend will change the wind and blow the ice to the west. No accidents or pollution to report.

-Mike

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer INSPECTION DATE 9/14/2012

INSPECTORS NAME Michael Shank

MODIFIED August 2012

INC#	IDENTIFICATION	CODE	YES	NO	N/A
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	X		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	X		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	X		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	X		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	X		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	X		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	X		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	X		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C			X
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			X
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			X
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C			X
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C			X
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	X		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	X		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	X		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	X		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	X		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	X		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	X		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	X		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	X		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	X		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	X		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C			X
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C			X

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C			X
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C			X
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W			X
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			X
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	X		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S	X		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	X		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	X		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	X		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	X		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	X		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	X		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S			X
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			X
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			X
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			X
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W	X		
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			X
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W			X
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			X
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			X
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			X

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			X
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			X
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			X
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			X
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			X
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			X
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			X
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			X
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			X
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			X
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			X
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			X
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			X
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			X
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			X
D-174	For the final casing string, did the operator install Dual Mechanical Barriers in addition to cement, to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			X
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			X
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			X
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			X
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			X
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			X
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			X

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			X
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			X
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			X
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			X
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			X
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			X
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			X
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			X
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			X
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			X
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			X
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			X
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			X
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			X
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S			X
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			X
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			X
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			X
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			X
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			X
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			X
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			X
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			X
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			X
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			X
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			X
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			X
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			X
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			X

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			X
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			X
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			X
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			X
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			X
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			X
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			X
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			X
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			X
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			X
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			X
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			X
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			X
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			X
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			X
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			X
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			X
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			X
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			X
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			X
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			X
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			X
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			X
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			X
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			X
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			X

<u>INC#</u>	<u>WELL-CONTROL DRILLS</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			X
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	X		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			X
	<u>DIVERTER SYSTEMS</u>				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			X
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			X
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, actuation-tested and the vent lines flow tested when installed? 30 CFR 250.433	W			X
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			X
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			X
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			X
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			X
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			X
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			X
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			X
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			X
D-314	Is the control station used during the diverter test or actuation identified? 30 CFR 250.434(c)	W			X
	<u>SURFACE DIVERTER SYSTEM</u>				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			X
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			X
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			X
D-322	Is the spool outlet and diverter line nominal diameter at least 10 inches for surface wellhead configurations and at least 12 inches for floating drilling operations? 30 CFR 250.431(a)	S			X
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			X
D-326	Is diverter sealing elements and diverter valves pressure tested to a minimum of 200 psi when nipped up on conductor casing, with no more than 7 days elapsed time between subsequent tests? 30 CFR 250.433(a)	W/S			X
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for surface diverter systems? 30 CFR 250.433(a), 250.433(c)	W			X
D-334	Is vessel heading maintained to allow for downwind diversion on dynamically-positions drill ships? 30 CFR 250.432(d)	S			X
	<u>DRILLING FLUID PROGRAM</u>				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W			X
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level decreases the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a lower decrease in hydrostatic pressure? 30 CFR 250.456(c)	W			X
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			X

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			X
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	X		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	X		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			X
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			X
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			X
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	X		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	X		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	3		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	X		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	X		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			X
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	X		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	X		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	X		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	X		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	5		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	X		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			X
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	X		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	12		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			X

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W			X
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	X		
	<u>APPLICATION FOR PERMIT TO DRILL</u>				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S			X
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			X
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	X		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			X
	<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			X
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			X
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			X
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			X
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			X
	<u>SUBSEA BOP SYSTEMS</u>				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			X
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			X
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			X
	<u>STUMP TEST</u>				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			X
	<u>INITIAL INSTALLATION TEST</u>				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			X
	<u>HYDROGEN SULFIDE</u>				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	X		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	X		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	X		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	X		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	X		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	X		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	X		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W	X		
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	X		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			X
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card ? 30 CFR 250.490(g)(2)(i, ii)	W	X		
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility ? 30 CFR 250.490(k)(3)(i)	W	X		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	X		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C	X		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			X
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	X		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	X		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	X		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	X		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	X		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	X		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	X		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	X		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C	X		
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C	X		

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C	X		
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C	X		
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S	X		
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	X		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	X		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	X		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	X		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	X		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	X		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W	X		
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	X		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S	X		
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			X
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	X		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			X
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S	X		
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			X
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			X
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			X
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			X
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			X
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			X
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			X
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			X

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			X
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S	X		
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W	X		
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W	X		
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W	X		
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W	X		
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S	X		
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months ? 30 CFR 250.490(j)(11)(iv)	W/S	X		
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W	X		
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			X
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			X
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S	X		

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

(b) (4), (b) (9)

(b) (4), (b) (9)

(b) (4), (b) (9)

WELL ACTIVITY REPORT



BEGINNING DATE: 9/14/2012

ENDING DATE: 9/15/2012

SEP 21 2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-352-0000200					2. OPERATOR NAME Shell Gulf of Mexico Inc						
3. WELL NAME <small>Posey 6764 OCS-Y 2280 001</small>		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer						8. WATER DEPTH (surveyed) (ft) 150		9. ELEVATION AT KB (Surveyed) (ft) 48.5			
10. CURRENT WELLBORE INFORMATION											
SURFACE					BOTTOM						
LEASE NO.	AREA NAME		BLOCK NO.		LEASE NO.			BLOCK NO.			
OCS-Y 2280	Posey		6764		OCS-Y 2280			6764			
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					n/a				n/a	n/a	n/a
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS-Y 2280										

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY
Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

None of the following have occurred:

- Wireline logs (Report when acquired)
- Wireline Directionals (Report when acquired)
- Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
- Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
- PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)

Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

<input type="checkbox"/> Kick Occurrence	<input type="checkbox"/> Well Control Equipment Failure
<input type="checkbox"/> Shallow Water Flow	<input type="checkbox"/> H ₂ S Encounter
<input type="checkbox"/> Weather and Oceanographic Conditions	<input type="checkbox"/> New Technology Failure
<input type="checkbox"/> General Rig Equipment Failure	<input type="checkbox"/> Stuck Pipe
<input type="checkbox"/> Lost Returns	<input type="checkbox"/> Wellbore Integrity Failure
<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

WELL ACTIVITY REPORT

BEGINNING DATE: 9/14/2012 ENDING DATE: 9/15/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

RECEIVED

SEP 17 2012

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

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WELL ACTIVITY REPORT

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From: [Shank, Michael L](#)
To: [Fesmire, Mark E](#); [Monkelien, Kyle](#); [Crumrine, Kathleen](#); [Walker, Jeffrey](#); [Howell, Randy](#)
Subject: Daily report
Date: Saturday, September 15, 2012 7:24:53 AM

Daily Report
9/14/2012

-Waiting on ice at same location.

Tor Viking is picking up the anchor buoys to protect them from the ice that might come into the anchor pattern in the next couple days. Some will be stored on the Discoverer. Greenpeace has been reported to be in the general area of the Kulluk.

-Mike

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer INSPECTION DATE 9/15/2012

INSPECTORS NAME Michael Shank

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	X		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	X		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	X		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	X		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	X		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	X		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	X		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	X		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C			X
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			X
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			X
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C			X
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C			X
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	X		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	X		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	X		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	X		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	X		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	X		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	X		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	X		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	X		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	X		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	X		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C			X
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C			X

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C			X
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C			X
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W			X
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			X
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	X		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved? 30 CFR 250.300(b)(2)	C/S	X		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	X		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	X		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	X		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	X		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	X		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	X		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S			X
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			X
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells? 30 CFR 250.461(a)(2)	S			X
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			X
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W	X		
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			X
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved? 30 CFR 250.420	W			X
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			X
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			X
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained? 30 CFR 250.427(b)	W/S			X

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			X
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			X
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			X
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.421(c)	W/S			X
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.423(a)	W/S			X
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			X
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			X
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			X
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			X
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			X
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			X
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			X
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			X
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			X
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			X
D-174	For the final casing string, did the operator install Dual Mechanical Barriers in addition to cement, to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			X
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			X
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			X
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			X
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			X
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			X
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			X

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			X
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			X
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			X
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			X
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			X
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			X
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			X
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			X
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			X
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			X
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			X
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			X
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			X
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			X
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S			X
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			X
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			X
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			X
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			X
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			X
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			X
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			X
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			X
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			X
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			X
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			X
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			X
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			X
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			X

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			X
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			X
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			X
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			X
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			X
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			X
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			X
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			X
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			X
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			X
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			X
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			X
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			X
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			X
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			X
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			X
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			X
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			X
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			X
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			X
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			X
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			X
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			X
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			X
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			X
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			X

<u>INC#</u>	<u>WELL-CONTROL DRILLS</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			X
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	X		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			X
	<u>DIVERTER SYSTEMS</u>				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			X
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			X
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, <u>actuation-tested</u> and the vent lines flow tested when installed? 30 CFR 250.433	W			X
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			X
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			X
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			X
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			X
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			X
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			X
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			X
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			X
D-314	Is the control station used during the diverter test or actuation <u>identified</u> ? 30 CFR 250.434(c)	W			X
	<u>SURFACE DIVERTER SYSTEM</u>				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			X
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			X
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			X
D-322	Is the spool outlet and diverter line nominal diameter at <u>least 10 inches</u> for surface wellhead configurations and at <u>least 12 inches for floating drilling operations</u> ? 30 CFR 250.431(a)	S			X
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			X
D-326	Is diverter sealing elements and diverter valves pressure tested to a <u>minimum of 200 psi</u> when nipped up on conductor casing, with no more than <u>7 days elapsed time</u> between subsequent tests? 30 CFR 250.433(a)	W/S			X
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, <u>conducted at least once every 24 hour period alternating between control stations for surface diverter systems</u> ? 30 CFR 250.433(a), 250.433(c)	W			X
D-334	Is vessel heading maintained to allow for downwind diversion on <u>dynamically-positions drill ships</u> ? 30 CFR 250.432(d)	S			X
	<u>DRILLING FLUID PROGRAM</u>				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation <u>was not</u> necessary? 30 CFR 250.456(a)	W			X
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level <u>decreases the hydrostatic pressure by 75 psi</u> , or <u>every 5 stands of drill pipe</u> , whichever gives a <u>lower decrease in hydrostatic pressure</u> ? 30 CFR 250.456(c)	W			X
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			X

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			X
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	X		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	X		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			X
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			X
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			X
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	X		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	X		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	3		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	X		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	X		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			X
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	X		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	X		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	X		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	X		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	5		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	X		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			X
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	X		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	12		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			X

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W			X
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	X		
	<u>APPLICATION FOR PERMIT TO DRILL</u>				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S			X
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			X
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	X		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			X
	<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			X
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			X
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			X
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			X
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			X
	<u>SUBSEA BOP SYSTEMS</u>				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			X
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			X
D-602	If Operator Activated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			X
	<u>STUMP TEST</u>				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			X
	<u>INITIAL INSTALLATION TEST</u>				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			X
	<u>HYDROGEN SULFIDE</u>				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	X		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	X		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	X		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	X		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	X		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	X		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	X		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W	X		
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	X		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			X
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card ? 30 CFR 250.490(g)(2)(i, ii)	W	X		
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility ? 30 CFR 250.490(k)(3)(i)	W	X		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	X		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C	X		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			X
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	X		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	X		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	X		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	X		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	X		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	X		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	X		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	X		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C	X		
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C	X		

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C	X		
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C	X		
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S	X		
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	X		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	X		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	X		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	X		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	X		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	X		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W	X		
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	X		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S	X		
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			X
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	X		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			X
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S	X		
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			X
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			X
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			X
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			X
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			X
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			X
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			X
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			X

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			X
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S	X		
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W	X		
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W	X		
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W	X		
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W	X		
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S	X		
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months ? 30 CFR 250.490(j)(11)(iv)	W/S	X		
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W	X		
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			X
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			X
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S	X		

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

(b) (4), (b) (9)

(b) (4), (b) (9)

(b) (4), (b) (9)

WELL ACTIVITY REPORT



SEP 21 2012

BEGINNING DATE: 9/15/2012

ENDING DATE: 9/16/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-352-0000200						2. OPERATOR NAME Shell Gulf of Mexico Inc					
3. WELL NAME <small>Posey 6764 OCS-Y 2280 001</small>		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer						8. WATER DEPTH (surveyed) (ft) 150			9. ELEVATION AT KB (Surveyed) (ft) 48.5		
10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.		BLOCK NO.			
OCS-Y 2280		Posey		6764		OCS-Y 2280		6764			
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					n/a				n/a	n/a	n/a
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS-Y 2280										

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD

TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY

Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

- None of the following have occurred:
- ! Wireline logs (Report when acquired)
 - ! Wireline Directionals (Report when acquired)
 - ! Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
 - ! Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
 - ! PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)
- Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

- | | |
|---|---|
| <input type="checkbox"/> Kick Occurrence | <input type="checkbox"/> Well Control Equipment Failure |
| <input type="checkbox"/> Shallow Water Flow | <input type="checkbox"/> H ₂ S Encounter |
| <input type="checkbox"/> Weather and Oceanographic Conditions | <input type="checkbox"/> New Technology Failure |
| <input type="checkbox"/> General Rig Equipment Failure | <input type="checkbox"/> Stuck Pipe |
| <input type="checkbox"/> Lost Returns | <input type="checkbox"/> Wellbore Integrity Failure |
| <input type="checkbox"/> Station Keeping Failure | <input type="checkbox"/> Other |

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Public Information

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018

OMB Approval Expires 10/31/2014

RECEIVED

SEP 17 2012

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

WELL ACTIVITY REPORT

BEGINNING DATE: 9/15/2012

ENDING DATE: 9/16/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

CORRECTION CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT

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3. WELL NAME <small>Posey 6764 OCS-Y 2280 001</small>	4. SIDETRACK NO. 00	5. BYPASS NO. 00	6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com
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SURFACE					BOTTOM						
LEASE NO.	AREA NAME	BLOCK NO.		LEASE NO.	BLOCK NO.						
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										LOW	HIGH

11. WELLBORE HISTORICAL INFORMATION

WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD

WELL ACTIVITY REPORT

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<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

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From: [Shank, Michael L](#)
To: [Fesmire, Mark E](#); [Monkelien, Kyle](#); [Crumrine, Kathleen](#); [Walker, Jeffrey](#); [Howell, Randy](#)
Subject: Daily report
Date: Sunday, September 16, 2012 8:37:14 AM

Daily Report
9/15/2012

-Waiting on Ice at same location

Ice report forecasts earliest clear seas to be Tuesday or Wednesday. Crew performing maintenance and working on the MLC bit to get it ready.

-Mike

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer INSPECTION DATE 9/16/2012

INSPECTORS NAME Michael Shank

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	X		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	X		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	X		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	X		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	X		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	X		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	X		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	X		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C			X
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			X
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			X
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C			X
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C			X
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	X		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	X		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	X		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	X		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	X		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	X		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	X		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	X		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	X		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	X		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	X		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C			X
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C			X

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C			X
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C			X
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W			X
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			X
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	X		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S	X		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	X		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	X		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	X		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	X		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	X		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	X		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S			X
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			X
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			X
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			X
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W			X
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			X
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W			X
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			X
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			X
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			X

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			X
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			X
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			X
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			X
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			X
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			X
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			X
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			X
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			X
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			X
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			X
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			X
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			X
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			X
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			X
D-174	For the final casing string , did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			X
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			X
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			X
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			X
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			X
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			X
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			X

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			X
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			X
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			X
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			X
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			X
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			X
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			X
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			X
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			X
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			X
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			X
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			X
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			X
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			X
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S			X
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			X
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			X
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			X
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			X
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			X
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			X
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			X
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			X
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			X
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			X
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			X
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			X
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			X
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			X

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			X
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			X
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			X
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			X
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			X
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			X
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			X
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			X
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			X
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			X
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			X
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			X
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers <u>recorded</u> in the driller's report? 30 CFR 250.450	W			X
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			X
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			X
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			X
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			X
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			X
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			X
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			X
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			X
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			X
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			X
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			X
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			X
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			X

<u>INC#</u>	<u>WELL-CONTROL DRILLS</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			X
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	X		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			X
	<u>DIVERTER SYSTEMS</u>				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			X
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			X
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, <u>actuation-tested</u> and the vent lines flow tested when installed? 30 CFR 250.433	W			X
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			X
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			X
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			X
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			X
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			X
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			X
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			X
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			X
D-314	Is the control station used during the diverter test or actuation <u>identified</u> ? 30 CFR 250.434(c)	W			X
	<u>SURFACE DIVERTER SYSTEM</u>				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			X
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			X
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			X
D-322	Is the spool outlet and diverter line nominal diameter at <u>least 10 inches</u> for surface wellhead configurations and at <u>least 12 inches for floating drilling operations</u> ? 30 CFR 250.431(a)	S			X
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			X
D-326	Is diverter sealing elements and diverter valves pressure tested to a <u>minimum of 200 psi</u> when nipped up on conductor casing, with no more than <u>7 days elapsed time</u> between subsequent tests? 30 CFR 250.433(a)	W/S			X
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, <u>conducted at least once every 24 hour period alternating between control stations for surface diverter systems</u> ? 30 CFR 250.433(a), 250.433(c)	W			X
D-334	Is vessel heading maintained to allow for downwind diversion on <u>dynamically-positions drill ships</u> ? 30 CFR 250.432(d)	S			X
	<u>DRILLING FLUID PROGRAM</u>				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation <u>was not</u> necessary? 30 CFR 250.456(a)	W			X
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level <u>decreases the hydrostatic pressure by 75 psi</u> , or <u>every 5 stands of drill pipe</u> , whichever gives a <u>lower decrease in hydrostatic pressure</u> ? 30 CFR 250.456(c)	W			X
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			X

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			X
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	X		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	X		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			X
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			X
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			X
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	X		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	X		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	3		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	X		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	X		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			X
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	X		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	X		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	X		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	X		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	5		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	X		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			X
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	X		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	12		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			X

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W			X
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	X		
	<u>APPLICATION FOR PERMIT TO DRILL</u>				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S			X
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			X
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	X		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			X
	<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			X
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			X
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			X
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			X
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			X
	<u>SUBSEA BOP SYSTEMS</u>				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			X
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			X
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			X
	<u>STUMP TEST</u>				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			X
	<u>INITIAL INSTALLATION TEST</u>				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			X
	<u>HYDROGEN SULFIDE</u>				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	X		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	X		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	X		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	X		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	X		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	X		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	X		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W	X		
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	X		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			X
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card? 30 CFR 250.490(g)(2)(i, ii)	W	X		
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W	X		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	X		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C	X		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			X
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	X		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	X		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	X		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	X		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	X		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	X		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	X		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	X		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C	X		
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C	X		

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C	X		
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C	X		
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S	X		
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	X		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	X		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	X		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	X		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	X		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	X		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W	X		
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	X		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S	X		
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			X
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	X		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			X
H-157	Is gas containing H2S not used for instrument gas, and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S	X		
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			X
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			X
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			X
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			X
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			X
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			X
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			X
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			X

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			X
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S	X		
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W	X		
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W	X		
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W	X		
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W	X		
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S	X		
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months ? 30 CFR 250.490(j)(11)(iv)	W/S	X		
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W	X		
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			X
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			X
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S	X		

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

(b) (4), (b) (9)

(b) (4), (b) (9)

(b) (4), (b) (9)

(b) (4), (b) (9)

WELL ACTIVITY REPORT



SEP 21 2012

BEGINNING DATE: 9/16/2012 **ENDING DATE:** 9/17/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-352-0000200					2. OPERATOR NAME Shell Gulf of Mexico Inc						
3. WELL NAME <small>Posey 6764 OCS-Y 2280 001</small>		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer						8. WATER DEPTH (surveyed) (ft) 150		9. ELEVATION AT KB (Surveyed) (ft) 48.5			
10. CURRENT WELLBORE INFORMATION											
SURFACE					BOTTOM						
LEASE NO.	AREA NAME		BLOCK NO.		LEASE NO.			BLOCK NO.			
OCS-Y 2280	Posey		6764		OCS-Y 2280			6764			
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					n/a				n/a	n/a	n/a
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS-Y 2280										

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Public Information

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018

OMB Approval Expires 10/31/2014

RECEIVED

SEP 17 2012

WELL ACTIVITY REPORT

BEGINNING DATE: 9/16/2012

ENDING DATE: 9/17/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

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10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.				BLOCK NO.	
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY
Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

None of the following have occurred:

- † Wireline logs (Report when acquired)
- † Wireline Directionals (Report when acquired)
- † Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
- † Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
- † PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)

Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

<input type="checkbox"/> Kick Occurrence	<input type="checkbox"/> Well Control Equipment Failure
<input type="checkbox"/> Shallow Water Flow	<input type="checkbox"/> H ₂ S Encounter
<input type="checkbox"/> Weather and Oceanographic Conditions	<input type="checkbox"/> New Technology Failure
<input type="checkbox"/> General Rig Equipment Failure	<input type="checkbox"/> Stuck Pipe
<input type="checkbox"/> Lost Returns	<input type="checkbox"/> Wellbore Integrity Failure
<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

From: [Shank, Michael L](#)
To: [Fesmire, Mark E](#); [Monkelien, Kyle](#); [Crumrine, Kathleen](#); [Walker, Jeffrey](#); [Howell, Randy](#)
Subject: Daily report
Date: Monday, September 17, 2012 7:52:41 AM

Daily Report
9/16/2012

-Waiting on ice. Floating at same location under tow assist from the Tor Viking. Lifted ship anchor to provide mobility to avoid nearby floating ice.

The morning ice report forecasts returning to drill site by Tuesday evening or Wednesday at the earliest. Shell reps made the announcement that the decision has been made to only drill "top hole sections" during this drilling season. (<http://www.adn.com/2012/09/17/2628080/shell-ends-offshore-drilling-in.html>)

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer INSPECTION DATE 9/17/2012

INSPECTORS NAME Michael Shank

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	X		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	X		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	X		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	X		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	X		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	X		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	X		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	X		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C			X
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			X
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			X
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C			X
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C			X
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	X		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	X		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	X		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	X		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	X		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	X		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	X		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	X		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	X		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	X		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	X		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C			X
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C			X

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C			X
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C			X
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W			X
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			X
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	X		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved? 30 CFR 250.300(b)(2)	C/S	X		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	X		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	X		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	X		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	X		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	X		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	X		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S			X
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			X
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells? 30 CFR 250.461(a)(2)	S			X
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			X
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W			X
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			X
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved? 30 CFR 250.420	W			X
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			X
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			X
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained? 30 CFR 250.427(b)	W/S			X

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			X
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			X
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			X
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			X
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			X
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			X
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			X
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			X
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			X
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			X
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			X
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			X
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			X
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			X
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			X
D-174	For the final casing string , did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			X
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			X
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			X
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			X
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			X
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			X
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			X

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			X
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			X
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			X
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			X
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			X
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			X
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			X
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			X
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			X
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			X
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			X
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			X
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			X
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			X
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S			X
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			X
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			X
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			X
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			X
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			X
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			X
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			X
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			X
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			X
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			X
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			X
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			X
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			X
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			X

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			X
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			X
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			X
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			X
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			X
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			X
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			X
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			X
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			X
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			X
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			X
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			X
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			X
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			X
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			X
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			X
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			X
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			X
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			X
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			X
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			X
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			X
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			X
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			X
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			X
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			X

INC#	WELL-CONTROL DRILLS	CODE	YES	NO	N/A
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			X
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	X		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			X
	DIVERTER SYSTEMS				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			X
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			X
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, actuation-tested and the vent lines flow tested when installed? 30 CFR 250.433	W			X
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			X
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			X
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			X
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			X
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			X
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			X
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			X
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			X
D-314	Is the control station used during the diverter test or actuation identified? 30 CFR 250.434(c)	W			X
	SURFACE DIVERTER SYSTEM				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			X
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			X
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			X
D-322	Is the spool outlet and diverter line nominal diameter at least 10 inches for surface wellhead configurations and at least 12 inches for floating drilling operations? 30 CFR 250.431(a)	S			X
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			X
D-326	Is diverter sealing elements and diverter valves pressure tested to a minimum of 200 psi when nipped up on conductor casing, with no more than 7 days elapsed time between subsequent tests? 30 CFR 250.433(a)	W/S			X
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for surface diverter systems? 30 CFR 250.433(a), 250.433(c)	W			X
D-334	Is vessel heading maintained to allow for downwind diversion on dynamically-positions drill ships? 30 CFR 250.432(d)	S			X
	DRILLING FLUID PROGRAM				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W			X
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level decreases the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a lower decrease in hydrostatic pressure? 30 CFR 250.456(c)	W			X
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			X

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			X
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	X		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	X		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			X
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			X
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			X
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	X		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	X		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	3		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	X		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	X		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			X
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	X		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	X		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	X		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	X		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	5		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	X		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			X
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	X		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	12		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			X

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W			X
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	X		
<u>APPLICATION FOR PERMIT TO DRILL</u>					
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S			X
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			X
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	X		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			X
<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>					
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			X
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			X
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			X
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			X
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			X
<u>SUBSEA BOP SYSTEMS</u>					
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			X
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			X
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			X
<u>STUMP TEST</u>					
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			X
<u>INITIAL INSTALLATION TEST</u>					
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			X
<u>HYDROGEN SULFIDE</u>					
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	X		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	X		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	X		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	X		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	X		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	X		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	X		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W	X		
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	X		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			X
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card? 30 CFR 250.490(g)(2)(i, ii)	W	X		
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W	X		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	X		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C	X		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			X
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	X		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	X		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	X		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	X		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	X		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	X		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	X		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	X		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C	X		
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C	X		

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C	X		
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C	X		
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S	X		
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	X		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	X		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	X		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	X		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	X		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	X		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W	X		
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	X		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S	X		
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			X
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	X		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			X
H-157	Is gas containing H2S not used for instrument gas, and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S	X		
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			X
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			X
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			X
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			X
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			X
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			X
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			X
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			X

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			X
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S	X		
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W	X		
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W	X		
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W	X		
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W	X		
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S	X		
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months? 30 CFR 250.490(j)(11)(iv)	W/S	X		
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W	X		
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			X
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			X
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S	X		

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

(b) (4), (b) (9)

(b) (4), (b) (9)

(b) (4), (b) (9)

Public Information

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
OMB Approval Expires 10/31/2014

RECEIVED

SEP 24 2012

WELL ACTIVITY REPORT

BEGINNING DATE: 9/17/2012 ENDING DATE: 9/18/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-352-0000200					2. OPERATOR NAME Shell Gulf of Mexico Inc						
3. WELL NAME <small>Posey 6764 OCS-Y 2280 001</small>		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer						8. WATER DEPTH (surveyed) (ft) 150		9. ELEVATION AT KB (Surveyed) (ft) 48.5			
10. CURRENT WELLBORE INFORMATION											
SURFACE					BOTTOM						
LEASE NO.		AREA NAME		BLOCK NO.	LEASE NO.				BLOCK NO.		
OCS Y-2280		Posey		6764	OCS Y-2280				6764		
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					N/A				N/A	N/A	N/A
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS Y-2280										

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY

Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

- None of the following have occurred:
- Wireline logs (Report when acquired)
 - Wireline Directionals (Report when acquired)
 - Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
 - Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
 - PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)
- Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

- | | |
|---|---|
| <input type="checkbox"/> Kick Occurrence | <input type="checkbox"/> Well Control Equipment Failure |
| <input type="checkbox"/> Shallow Water Flow | <input type="checkbox"/> H ₂ S Encounter |
| <input type="checkbox"/> Weather and Oceanographic Conditions | <input type="checkbox"/> New Technology Failure |
| <input type="checkbox"/> General Rig Equipment Failure | <input type="checkbox"/> Stuck Pipe |
| <input type="checkbox"/> Lost Returns | <input type="checkbox"/> Wellbore Integrity Failure |
| <input type="checkbox"/> Station Keeping Failure | <input type="checkbox"/> Other |

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

From: [Shank, Michael L](#)
To: [Fesmire, Mark E](#); [Monkelien, Kyle](#); [Crumrine, Kathleen](#); [Walker, Jeffrey](#); [Howell, Randy](#)
Subject: Daily report
Date: Tuesday, September 18, 2012 7:44:47 AM

Daily Report
9/17/2012

-Waiting on ice at same location. Ship anchor is deployed, but Discoverer is still attached by tow cable to the Tor Viking. May disconnect on 9/18/2012.

This morning's ice report forecasts the site to be clear enough to return by Saturday or Sunday depending on today's observations by the Fennica. Crew is performing maintenance and preparing for a return to operations.

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer INSPECTION DATE 9/18/2012

INSPECTORS NAME Michael Shank

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	X		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	X		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	X		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	X		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	X		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	X		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	X		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	X		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C			X
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			X
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			X
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C			X
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C			X
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	X		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	X		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	X		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	X		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	X		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	X		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	X		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	X		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	X		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	X		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	X		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C			X
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C			X

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C			X
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C			X
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W			X
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			X
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	X		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved? 30 CFR 250.300(b)(2)	C/S	X		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	X		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	X		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	X		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	X		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	X		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	X		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S			X
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			X
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells? 30 CFR 250.461(a)(2)	S			X
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			X
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W			X
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			X
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved? 30 CFR 250.420	W			X
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			X
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			X
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained? 30 CFR 250.427(b)	W/S			X

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			X
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			X
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			X
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			X
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			X
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			X
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			X
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			X
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			X
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			X
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			X
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			X
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			X
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			X
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			X
D-174	For the final casing string , did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			X
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			X
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			X
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			X
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			X
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			X
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			X

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			X
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			X
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			X
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			X
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			X
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			X
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			X
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			X
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			X
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			X
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			X
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			X
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			X
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			X
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S			X
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			X
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			X
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			X
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			X
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			X
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			X
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			X
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			X
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			X
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			X
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			X
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			X
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			X
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			X

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			X
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			X
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			X
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			X
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			X
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			X
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			X
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			X
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			X
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			X
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			X
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			X
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers <u>recorded</u> in the driller's report? 30 CFR 250.450	W			X
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			X
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			X
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			X
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			X
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			X
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			X
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			X
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			X
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			X
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			X
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			X
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			X
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			X

<u>INC#</u>	<u>WELL-CONTROL DRILLS</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			X
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	X		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			X
	<u>DIVERTER SYSTEMS</u>				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			X
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			X
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, actuation-tested and the vent lines flow tested when installed? 30 CFR 250.433	W			X
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			X
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			X
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			X
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			X
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			X
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			X
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			X
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			X
D-314	Is the control station used during the diverter test or actuation identified? 30 CFR 250.434(c)	W			X
	<u>SURFACE DIVERTER SYSTEM</u>				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			X
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			X
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			X
D-322	Is the spool outlet and diverter line nominal diameter at least 10 inches for surface wellhead configurations and at least 12 inches for floating drilling operations? 30 CFR 250.431(a)	S			X
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			X
D-326	Is diverter sealing elements and diverter valves pressure tested to a minimum of 200 psi when nipped up on conductor casing, with no more than 7 days elapsed time between subsequent tests? 30 CFR 250.433(a)	W/S			X
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for surface diverter systems? 30 CFR 250.433(a), 250.433(c)	W			X
D-334	Is vessel heading maintained to allow for downwind diversion on dynamically-positions drill ships? 30 CFR 250.432(d)	S			X
	<u>DRILLING FLUID PROGRAM</u>				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W			X
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level decreases the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a lower decrease in hydrostatic pressure? 30 CFR 250.456(c)	W			X
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			X

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			X
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	X		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	X		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			X
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			X
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			X
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	X		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	X		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	3		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	X		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	X		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			X
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	X		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	X		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	X		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	X		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	5		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	X		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			X
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	X		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	12		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			X

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W			X
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	X		
	<u>APPLICATION FOR PERMIT TO DRILL</u>				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S			X
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			X
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	X		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			X
	<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			X
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			X
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			X
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			X
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			X
	<u>SUBSEA BOP SYSTEMS</u>				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			X
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			X
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			X
	<u>STUMP TEST</u>				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			X
	<u>INITIAL INSTALLATION TEST</u>				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			X
	<u>HYDROGEN SULFIDE</u>				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	X		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	X		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	X		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	X		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	X		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	X		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	X		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W	X		
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	X		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			X
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card? 30 CFR 250.490(g)(2)(i, ii)	W	X		
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W	X		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	X		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C	X		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			X
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	X		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	X		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	X		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	X		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	X		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	X		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	X		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	X		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C	X		
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C	X		

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C	X		
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C	X		
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S	X		
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	X		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	X		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	X		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	X		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	X		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	X		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W	X		
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	X		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S	X		
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			X
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	X		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			X
H-157	Is gas containing H2S not used for instrument gas, and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S	X		
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			X
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			X
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			X
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			X
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			X
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			X
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			X
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			X

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			X
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S	X		
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W	X		
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W	X		
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W	X		
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W	X		
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S	X		
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months? 30 CFR 250.490(j)(11)(iv)	W/S	X		
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W	X		
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			X
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			X
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S	X		

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

(b) (4), (b) (9)

(b) (4), (b) (9)

(b) (4), (b) (9)

Public Information

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
OMB Approval Expires 10/31/2014

RECEIVED

SEP 24 2012

WELL ACTIVITY REPORT

BEGINNING DATE: 9/18/2012 ENDING DATE: 9/19/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION
Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-352-0000200					2. OPERATOR NAME Shell Gulf of Mexico Inc						
3. WELL NAME <small>Posey 6764 OCS-Y 2280 001</small>		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer							8. WATER DEPTH (surveyed) (ft) 150		9. ELEVATION AT KB (Surveyed) (ft) 48.5		
10. CURRENT WELLBORE INFORMATION											
SURFACE					BOTTOM						
LEASE NO.		AREA NAME		BLOCK NO.	LEASE NO.			BLOCK NO.			
OCS Y-2280		Posey		6764	OCS Y-2280			6764			
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					N/A				N/A	N/A	N/A
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS Y-2280										

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Shank, Michael L

From: Shank, Michael L
Sent: Wednesday, September 19, 2012 9:52 AM
To: Fesmire, Mark E
Subject: RE: Emergency exit obstacle on Discoverer

I discussed the importance of maintaining clear emergency exits with the Shell representatives and how to reinforce this with the rig crew. This issue will be discussed during the safety meetings and employees will be reminded about paying attention to where they leave their equipment and tools after they are finished with a job.

As a result of the quick correction of the problem I decided to not issue an INC at this time.

Michael Shank
Petroleum Engineer
907-334-5223
Michael.shank@bsee.gov

From: Shank, Michael L
Sent: Wednesday, September 19, 2012 9:13 AM
To: Fesmire, Mark E
Subject: Emergency exit obstacle on Discoverer

I discovered a ladder standing against a wall behind an emergency exit. The door was at the main deck exit from the boilers/generator room that leads to the main deck and has a staircase to the bridge. The ladder prevented the door from operating to the fully open position. It would only open enough for one person to squeeze through. A nearby crewmember (the on duty captain) was notified and had the obstacle removed immediately.

This would fall under the G-112 PINC as a 'W'.

Michael Shank
Petroleum Engineer
907-334-5223
Michael.shank@bsee.gov

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer INSPECTION DATE 9/19/2012

INSPECTORS NAME Michael Shank

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	X		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	X		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	X		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	X		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	X		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	X		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	X		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	X		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C			X
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			X
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			X
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C			X
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C			X
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	X		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	X		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	X		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	X		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	X		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	X		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	X		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	X		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	X		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	X		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	X		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C			X
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C			X

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C			X
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C			X
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W			X
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			X
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	X		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved? 30 CFR 250.300(b)(2)	C/S	X		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	X		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	X		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	X		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	X		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	X		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	X		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S			X
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			X
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells? 30 CFR 250.461(a)(2)	S			X
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			X
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W			X
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			X
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved? 30 CFR 250.420	W			X
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			X
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			X
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained? 30 CFR 250.427(b)	W/S			X

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			X
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			X
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			X
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.421(c)	W/S			X
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.423(a)	W/S			X
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			X
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			X
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			X
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			X
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			X
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			X
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			X
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			X
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			X
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			X
D-174	For the final casing string , did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			X
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			X
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			X
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			X
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			X
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			X
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			X

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			X
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			X
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			X
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			X
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			X
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			X
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			X
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			X
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			X
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			X
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			X
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			X
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			X
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			X
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S			X
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			X
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			X
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			X
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			X
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			X
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			X
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			X
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			X
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			X
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			X
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			X
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			X
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			X
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			X

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			X
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			X
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			X
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			X
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			X
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			X
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			X
D-254	When the BOP test are postponed due to well control problems, is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			X
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			X
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			X
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			X
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			X
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			X
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			X
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes, 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			X
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			X
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			X
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			X
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			X
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			X
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			X
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			X
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			X
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			X
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			X
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			X

<u>INC#</u>	<u>WELL-CONTROL DRILLS</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			X
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	X		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			X
	<u>DIVERTER SYSTEMS</u>				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			X
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			X
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, actuation-tested and the vent lines flow tested when installed? 30 CFR 250.433	W			X
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			X
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			X
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			X
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			X
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			X
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			X
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			X
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			X
D-314	Is the control station used during the diverter test or actuation identified? 30 CFR 250.434(c)	W			X
	<u>SURFACE DIVERTER SYSTEM</u>				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			X
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			X
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			X
D-322	Is the spool outlet and diverter line nominal diameter at least 10 inches for surface wellhead configurations and at least 12 inches for floating drilling operations? 30 CFR 250.431(a)	S			X
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			X
D-326	Is diverter sealing elements and diverter valves pressure tested to a minimum of 200 psi when nipped up on conductor casing, with no more than 7 days elapsed time between subsequent tests? 30 CFR 250.433(a)	W/S			X
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for surface diverter systems? 30 CFR 250.433(a), 250.433(c)	W			X
D-334	Is vessel heading maintained to allow for downwind diversion on dynamically-positions drill ships? 30 CFR 250.432(d)	S			X
	<u>DRILLING FLUID PROGRAM</u>				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W			X
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level decreases the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a lower decrease in hydrostatic pressure? 30 CFR 250.456(c)	W			X
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			X

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			X
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	X		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	X		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			X
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			X
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			X
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	X		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	X		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	3		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	X		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	X		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			X
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	X		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	X		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	X		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	X		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	5		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	X		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			X
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	X		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	12		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			X

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W			X
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	X		
	<u>APPLICATION FOR PERMIT TO DRILL</u>				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S			X
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			X
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	X		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			X
	<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			X
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			X
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			X
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			X
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			X
	<u>SUBSEA BOP SYSTEMS</u>				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			X
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			X
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			X
	<u>STUMP TEST</u>				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			X
	<u>INITIAL INSTALLATION TEST</u>				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			X
	<u>HYDROGEN SULFIDE</u>				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	X		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	X		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	X		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	X		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	X		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	X		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	X		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W	X		
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	X		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			X
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card ? 30 CFR 250.490(g)(2)(i, ii)	W	X		
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility ? 30 CFR 250.490(k)(3)(i)	W	X		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	X		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C	X		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			X
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	X		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	X		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	X		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	X		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	X		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	X		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	X		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	X		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C	X		
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C	X		

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C	X		
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C	X		
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S	X		
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	X		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	X		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	X		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	X		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	X		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	X		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W	X		
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	X		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S	X		
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			X
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	X		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			X
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S	X		
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			X
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			X
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			X
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			X
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			X
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			X
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			X
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			X

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			X
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S	X		
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W	X		
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W	X		
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W	X		
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W	X		
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S	X		
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months ? 30 CFR 250.490(j)(11)(iv)	W/S	X		
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W	X		
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			X
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			X
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S	X		

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

U.S. Department of the Interior
 Bureau of Safety and Environmental
 Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
 OMB Approval Expires 10/31/2014

WELL ACTIVITY REPORT

RECEIVED

BEGINNING DATE: 9/19/2012 ENDING DATE: 9/20/2012

SEP 24 2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Prudhoe Bay, Alaska

CORRECTION CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT

GENERAL INFORMATION

1. API WELL NO. (10 digits) 55-352-0000200		2. OPERATOR NAME Shell Gulf of Mexico Inc	
3. WELL NAME <small>Posey 6764 OCS-Y 2280 001</small>	4. SIDETRACK NO. 00	5. BYPASS NO. 00	6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer		8. WATER DEPTH (surveyed) (ft) 150	9. ELEVATION AT KB (Surveyed) (ft) 48.5

10. CURRENT WELLBORE INFORMATION

SURFACE					BOTTOM						
LEASE NO.	AREA NAME	BLOCK NO.			LEASE NO.		BLOCK NO.				
OCS Y-2280	Posey	6764			OCS Y-2280		6764				
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
						N/A					LOW
					N/A				N/A	N/A	N/A

11. WELLBORE HISTORICAL INFORMATION

WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD
	OCS Y-2280					

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Public Information

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

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OMB control Number 1014-0018
OMB Approval Expires 10/31/2014

WELL ACTIVITY REPORT

RECEIVED

SEP 24 2012

BEGINNING DATE: 9/20/2012 ENDING DATE: 9/21/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

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LEASE NO.	AREA NAME	BLOCK NO.			LEASE NO.			BLOCK NO.			
OCS Y-2280	Posey	6764			OCS Y-2280			6764			
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					N/A				N/A	N/A	N/A
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS Y-2280										

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Bureau of Safety and Environmental
Enforcement (BSEE)

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OMB control Number 1014-0018
OMB Approval Expires 10/31/2014

RECEIVED

SEP 24 2012

WELL ACTIVITY REPORT

BEGINNING DATE: 9/21/2012 ENDING DATE: 9/22/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION
Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-352-0000200						2. OPERATOR NAME Shell Gulf of Mexico Inc					
3. WELL NAME <small>Posey 6764 OCS-Y 2280 001</small>		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com					
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LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.				BLOCK NO.	
OCS Y-2280		Posey		6764		OCS Y-2280				6764	
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					N/A				N/A	N/A	N/A
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS Y-2280										

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

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WELL ACTIVITY REPORT

RECEIVED

BEGINNING DATE: 9/22/2012 ENDING DATE: 9/23/2012

SEP 24 2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

CORRECTION CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT

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WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					N/A				N/A	N/A	N/A

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WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD
	OCS Y-2280					

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

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SEP 26 2012

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Public Information

Regional Director, Alaska OCS OMB Control Number 1014-0018
Bureau of Safety and Environmental Enforcement OMB Approval Expires 10/31/2014
Anchorage, Alaska

OPEN HOLE DATA REPORT (Supplement to the Well Activity Report)

BEGINNING DATE: 09/23/2012 ENDING DATE: 09/24/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

CORRECTION CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT

GENERAL INFORMATION					
1. API WELL NO. (12 digits) 55-352-0000200			2. OPERATOR NAME Shell Gulf of Mexico Inc		
3. WELL NAME Posey 6764 OCS Y-2280 001		4. SIDETRACK NO. 00	5. BYPASS NO. 00	6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281.795.0250; john.a.henley@shell.com	

7. OPEN HOLE TOOLS, MUDLOGS, AND DIRECTIONAL SURVEYS

GEOSCIENTIST NAME/ GEOSCIENTIST TELEPHONE NUMBER / GEOSCIENTIST E-MAIL ADDRESS:

Check This Box if Well Total Depth has been reached and this is the Last Logging Run.

SERVICE COMPANY	DATE	OPERATIONS COMPLETED	TOOL	LOGGING	METHOD	LOG TOOL CODE	INTERVAL DEPTH (MD)	
							TOP	BOTTOM

8. IDENTIFY OTHER OPEN HOLE DATA COLLECTED

Check the following Data Items if collected in the Borehole (Report when data is acquired)

- Velocity Surveys
 Vertical Seismic Profile
 Conventional Cores/Rotary Sidewall Cores
 Percussion Sidewall Samples
- If Samples are collected, what analysis will be performed? (Report at completion of borehole)
- PVT Analysis
 Paleo Analysis
 Geochem Analysis

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY
Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

None of the following have occurred:

- Wireline logs (Report when acquired)
- Wireline Directionals (Report when acquired)
- Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
- Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
- PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)

Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

<input type="checkbox"/> Kick Occurrence	<input type="checkbox"/> Well Control Equipment Failure
<input type="checkbox"/> Shallow Water Flow	<input type="checkbox"/> H ₂ S Encounter
<input type="checkbox"/> Weather and Oceanographic Conditions	<input type="checkbox"/> New Technology Failure
<input type="checkbox"/> General Rig Equipment Failure	<input type="checkbox"/> Stuck Pipe
<input type="checkbox"/> Lost Returns	<input type="checkbox"/> Wellbore Integrity Failure
<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 *et seq.*) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Eiden Street, Herndon, VA 20170.

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SEP 26 2012

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

OMB Control Number 1014-0018

OMB Approval Expires 10/31/2014

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Public Information

OPEN HOLE DATA REPORT (Supplement to the Well Activity Report)

BEGINNING DATE: 09/24/2012

ENDING DATE: 09/25/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

CORRECTION

CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT

GENERAL INFORMATION					
1. API WELL NO. (12 digits) 55-352-0000200			2. OPERATOR NAME Shell Gulf of Mexico Inc		
3. WELL NAME Posey 6764 OCS Y-2280 001	4. SIDETRACK NO. 00	5. BYPASS NO. 00	6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281.795.0250; john.a.henley@shell.com		

7. OPEN HOLE TOOLS, MUDLOGS, AND DIRECTIONAL SURVEYS

GEOSCIENTIST NAME/ GEOSCIENTIST TELEPHONE NUMBER / GEOSCIENTIST E-MAIL ADDRESS:

Check This Box if Well Total Depth has been reached and this is the Last Logging Run.

SERVICE COMPANY	DATE	OPERATIONS COMPLETED	TOOL	LOGGING	METHOD	LOG TOOL CODE	INTERVAL DEPTH (MD)	
							TOP	BOTTOM

8. IDENTIFY OTHER OPEN HOLE DATA COLLECTED

Check the following Data Items if collected in the Borehole (Report when data is acquired)

Velocity Surveys Vertical Seismic Profile Conventional Cores/Rotary Sidewall Cores Percussion Sidewall Samples

If Samples are collected, what analysis will be performed? (Report at completion of borehole)

PVT Analysis Paleo Analysis Geochem Analysis

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Public Information

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
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SEP 26 2012

WELL ACTIVITY REPORT

BEGINNING DATE: 9/24/2012 ENDING DATE: 9/25/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-352-0000200					2. OPERATOR NAME Shell Gulf of Mexico Inc						
3. WELL NAME Posey 6764 OCS-Y 2280 001		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer					8. WATER DEPTH (surveyed) (ft) 150		9. ELEVATION AT KB (Surveyed) (ft) 48.5				
10. CURRENT WELLBORE INFORMATION											
SURFACE					BOTTOM						
LEASE NO.	AREA NAME	BLOCK NO.			LEASE NO.	BLOCK NO.					
OCS Y-2280	Posey	6764			OCS Y-2280	6764					
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
											LOW
					N/A				N/A	N/A	N/A
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS Y-2280										

Public Information

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.



EPA Inspection Form for Alaska
Outer Continental Shelf Oil and Gas Facilities
NPDES General Permit No. AKG280000
Location: Beaufort Sea 2012
Permittee: Shell

Permittee Representative	on site: Donald Dodd	Inspector Name	Randy Howell
Inspection Date	9-25 to 9-30-12	Signature	
Insp. Time (Start/End)	1900 hr	Well Name	Sivulliq N
Lease No.	OCS Y 1805	Block No.	Flaxman Is. 6658

Vessel (Circle One) *Kulluk* *Noble Discoverer*

Discharge No. and Description	Comment (✓)	Yes	No	N/A
002 – Deck Drainage				
Total Volume (Monthly estimated)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Free Oil – No Discharge (Static Sheen Test; once per discharge event)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Total Aqueous Hydrocarbons (Once per discharge event)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Total Aromatic Hydrocarbons (Once per discharge event)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
pH (6.5-8.5; monthly)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Contaminated drainage is processed through oil-water separator before discharge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
005 – Desalination Unit Wastes				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chemical inventory of quantities and rates added	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
006 – Blowout Preventer Fluid				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
008 – Fire Control System Test Water (Kulluk only)				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chemical/Biocides inventory of type and quantity added	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
009 – Non-contact Cooling Water				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Volume (Monthly estimated)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chemical/Biocides inventory of type and quantity added	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
012 – Excess Cement Slurry				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
013 – Mud, Cuttings, Cement at Seafloor				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Public Information

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
OMB Approval Expires 10/31/2014

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SEP 27 2012

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

WELL ACTIVITY REPORT

BEGINNING DATE: 9/25/2012 ENDING DATE: 9/26/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-352-0000200					2. OPERATOR NAME Shell Gulf of Mexico Inc						
3. WELL NAME Posey 6764 OCS-Y 2280 001		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer					8. WATER DEPTH (surveyed) (ft) 150		9. ELEVATION AT KB (Surveyed) (ft) 48.5				
10. CURRENT WELLBORE INFORMATION											
SURFACE					BOTTOM						
LEASE NO.	AREA NAME	BLOCK NO.			LEASE NO.		BLOCK NO.				
OCS Y-2280	Posey	6764			OCS Y-2280		6764				
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					N/A				N/A	N/A	N/A
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS Y-2280										

Public Information

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Public Information

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
OMB Approval Expires 10/31/2014

WELL ACTIVITY REPORT

BEGINNING DATE: 9/26/2012 ENDING DATE: 9/27/2012

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SEP 27 2012

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Prudhoe Bay, Alaska

CORRECTION CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT

GENERAL INFORMATION

1. API WELL NO. (10 digits) 55-352-0000200		2. OPERATOR NAME Shell Gulf of Mexico Inc	
3. WELL NAME Posey 6764 OCS-Y 2280 001	4. SIDETRACK NO. 00	5. BYPASS NO. 00	6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer		8. WATER DEPTH (surveyed) (ft) 150	9. ELEVATION AT KB (Surveyed) (ft) 48.5

10. CURRENT WELLBORE INFORMATION

SURFACE					BOTTOM						
LEASE NO.	AREA NAME	BLOCK NO.			LEASE NO.		BLOCK NO.				
OCS Y-2280	Posey	6764			OCS Y-2280		6764				
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
					N/A				N/A	LOW	HIGH
										N/A	N/A

11. WELLBORE HISTORICAL INFORMATION

WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD
	OCS Y-2280					

Public Information

WELL ACTIVITY REPORT

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Public Information

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Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
OMB Approval Expires 10/31/2014

WELL ACTIVITY REPORT

BEGINNING DATE: 9/27/2012 ENDING DATE: 9/28/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-352-0000200					2. OPERATOR NAME Shell Gulf of Mexico Inc						
3. WELL NAME <small>Posey 6764 OCS-Y 2280 001</small>		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer						8. WATER DEPTH (surveyed) (ft) 150		9. ELEVATION AT KB (Surveyed) (ft) 48.5			
10. CURRENT WELLBORE INFORMATION											
SURFACE					BOTTOM						
LEASE NO.	AREA NAME	BLOCK NO.			LEASE NO.			BLOCK NO.			
OCS Y-2280	Posey	6764			OCS Y-2280			6764			
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					N/A				N/A	N/A	N/A
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS Y-2280										

Public Information

WELL ACTIVITY REPORT

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OCT 01 2012

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

WELL ACTIVITY REPORT

BEGINNING DATE: 9/27/2012 **ENDING DATE:** 9/27/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-171-0001300					2. OPERATOR NAME Shell Offshore, Inc						
3. WELL NAME OCS-Y 1805 #001 (Sivulliq N)		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS Shawn Gelsinger/713.594.8531/shawn.gelsinger@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Shell Kulluk					8. WATER DEPTH (surveyed) (ft) 107			9. ELEVATION AT KB (Surveyed) (ft) 65			
10. CURRENT WELLBORE INFORMATION											
SURFACE					BOTTOM						
LEASE NO.	AREA NAME	BLOCK NO.			LEASE NO.		BLOCK NO.				
n/a	n/a	n/a			n/a		n/a				
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					n/a				n/a	n/a	n/a
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
n/a	n/a										

WELL ACTIVITY REPORT

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U.S. Department of the Interior
 Bureau of Safety and Environmental
 Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
 OMB Approval Expires 10/31/2014

WELL ACTIVITY REPORT

BEGINNING DATE: 9/28/2012 ENDING DATE: 9/29/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

RECEIVED

OCT 01 2012

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-352-0000200						2. OPERATOR NAME Shell Gulf of Mexico Inc					
3. WELL NAME <small>Posey 6764 OCS-Y 2280 001</small>		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer						8. WATER DEPTH (surveyed) (ft) 150		9. ELEVATION AT KB (Surveyed) (ft) 48.5			
10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.				BLOCK NO.	
OCS Y-2280		Posey		6764		OCS Y-2280				6764	
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					N/A				N/A	N/A	N/A
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS Y-2280										

Public Information

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Public Information

U.S. Department of the Interior
 Bureau of Safety and Environmental
 Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
 OMB Approval Expires 10/21/2014

RECEIVED

OCT 01 2012

WELL ACTIVITY REPORT

BEGINNING DATE: 9/28/2012 **ENDING DATE:** 9/28/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-171-0001300						2. OPERATOR NAME Shell Offshore, Inc					
3. WELL NAME OCS-Y 1805 #001 (Sivulig N)		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS Shawn Gelsinger/713.594.8531/shawn.gelsinger@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Shell Kulluk						8. WATER DEPTH (surveyed) (ft) 107			9. ELEVATION AT KB (Surveyed) (ft) 65		
10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.				BLOCK NO.	
n/a		n/a		n/a		n/a				n/a	
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					n/a				n/a	n/a	n/a
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
n/a	n/a										

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY
Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

None of the following have occurred:

- Wireline logs (Report when acquired)
- Wireline Directionals (Report when acquired)
- Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
- Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
- PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)

Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

<input type="checkbox"/> Kick Occurrence	<input type="checkbox"/> Well Control Equipment Failure
<input type="checkbox"/> Shallow Water Flow	<input type="checkbox"/> H ₂ S Encounter
<input type="checkbox"/> Weather and Oceanographic Conditions	<input type="checkbox"/> New Technology Failure
<input type="checkbox"/> General Rig Equipment Failure	<input type="checkbox"/> Stuck Pipe
<input type="checkbox"/> Lost Returns	<input type="checkbox"/> Wellbore Integrity Failure
<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Public Information

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
OMB Approval Expires 10/31/2014

WELL ACTIVITY REPORT

RECEIVED

BEGINNING DATE: 9/29/2012 ENDING DATE: 9/30/2012

OCT 01 2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-352-0000200						2. OPERATOR NAME Shell Gulf of Mexico Inc					
3. WELL NAME Posey 6764 OCS-Y 2280 001		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer						8. WATER DEPTH (surveyed) (ft) 150			9. ELEVATION AT KB (Surveyed) (ft) 48.5		
10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.				BLOCK NO.	
OCS Y-2280		Posey		6764		OCS Y-2280				6764	
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					N/A				N/A	N/A	N/A
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS Y-2280										

Public Information

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Public Information

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RECEIVED

OCT 01 2012

WELL ACTIVITY REPORT

BEGINNING DATE: 9/29/2012 ENDING DATE: 9/29/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Prudhoe Bay, Alaska

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-171-0001300						2. OPERATOR NAME Shell Offshore, Inc					
3. WELL NAME OCS-Y 1805 #001 (Sivulliq N)		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS Shawn Gelsinger/713.594.8531/shawn.gelsinger@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Shell Kulluk						8. WATER DEPTH (surveyed) (ft) 107		9. ELEVATION AT KB (Surveyed) (ft) 65			
10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.		BLOCK NO.			
n/a		n/a		n/a		n/a		n/a			
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					n/a				n/a	n/a	n/a
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
n/a	n/a										

WELL ACTIVITY REPORT

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Public Information

U.S. Department of the Interior
 Bureau of Safety and Environmental
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Submit ORIGINAL

OMB control Number 1014-0018
 OMB Approval Expires 10/31/2014

WELL ACTIVITY REPORT

RECEIVED

BEGINNING DATE: 9/30/2012 ENDING DATE: 10/01/2012

OCT 03 2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Prudhoe Bay, Alaska

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GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-352-0000200						2. OPERATOR NAME Shell Gulf of Mexico Inc					
3. WELL NAME <small>Posey 6764 OCS-Y 2280 001</small>		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com					
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10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.				BLOCK NO.	
OCS Y-2280		Posey		6764		OCS Y-2280				6764	
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					N/A				N/A	N/A	N/A
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS Y-2280										

WELL ACTIVITY REPORT

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Public Information

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 Bureau of Safety and Environmental
 Enforcement (BSEE)

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OMB control Number 1014-0018
 OMB Approval Expires 10/31/2014

WELL ACTIVITY REPORT

BEGINNING DATE: 9/30/2012 **ENDING DATE:** 9/30/2012

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RECEIVED

OCT 01 2012

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

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10. CURRENT WELLBORE INFORMATION											
SURFACE					BOTTOM						
LEASE NO.	AREA NAME		BLOCK NO.		LEASE NO.		BLOCK NO.				
n/a	n/a		n/a		n/a		n/a				
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
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n/a	n/a										

WELL ACTIVITY REPORT

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PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 *et seq.*) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

From: [Howell, Randy](#)
To: [Fesmire, Mark E](#); [Monkelien, Kyle](#); [Shank, Michael L](#); [Miller, Chet](#); [Crumrine, Kathleen](#)
Subject: Kulluk
Date: Tuesday, October 02, 2012 6:56:58 AM

The Kulluk is on location standing by waiting on whaling to finish to spud the well.

Randy

Tankersley, Yolanda J

From: Howell, Randy
Sent: Monday, October 01, 2012 7:36 AM
To: Fesmire, Mark E; Monkeliën, Kyle; Miller, Chet; Crumrine, Kathleen
Subject: Kulluk

Working on equipment to ensure the readiness of the Kulluk to spud the well once the approval is received to proceed

Randy

Public Information

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018

OMB Approval Expires 10/31/2014

RECEIVED

OCT 03 2012

WELL ACTIVITY REPORT

BEGINNING DATE: 10/01/2012 ENDING DATE: 10/02/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
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3. WELL NAME <small>Posey 6764 OCS-Y 2280 001</small>		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer					8. WATER DEPTH (surveyed) (ft) 150		9. ELEVATION AT KB (Surveyed) (ft) 48.5				
10. CURRENT WELLBORE INFORMATION											
SURFACE					BOTTOM						
LEASE NO.	AREA NAME		BLOCK NO.		LEASE NO.			BLOCK NO.			
OCS Y-2280	Posey		6764		OCS Y-2280			6764			
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
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					N/A				N/A	N/A	N/A
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS Y-2280										

WELL ACTIVITY REPORT

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WELL ACTIVITY REPORT

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From: [Shank, Michael L](#)
To: [Monkelien, Kyle](#); [Fesmire, Mark E](#); [Crumrine, Kathleen](#); [Walker, Jeffrey](#); [Howell, Randy](#)
Subject: Daily Report
Date: Tuesday, October 02, 2012 7:58:33 AM

- Started digging MLC this morning. Will take ~30 hours to complete.
- Supply boat should be here today.
- Last crew change flight today.

No safety issues to report this morning.

-Mike

From: [Shank, Michael L](#)
To: [Monkelien, Kyle](#); [Fesmire, Mark E](#); [Crumrine, Kathleen](#); [Walker, Jeffrey](#); [Howell, Randy](#)
Subject: RE: Daily Report
Date: Tuesday, October 02, 2012 1:25:32 PM

I also found out that a Coast Guard cutter has arrived here this morning. We haven't found out exactly what they want yet, but my best guess would be that they are just doing a check-up or something.

-Mike

From: Shank, Michael L
Sent: Tuesday, October 02, 2012 7:59 AM
To: Monkelien, Kyle; Fesmire, Mark E; Crumrine, Kathleen; Walker, Jeffrey; Howell, Randy
Subject: Daily Report

- Started digging MLC this morning. Will take ~30 hours to complete.
- Supply boat should be here today.
- Last crew change flight today.

No safety issues to report this morning.

-Mike

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer INSPECTION DATE 10/2/2012

INSPECTORS NAME Michael Shank

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	X		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	X		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	x		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	X		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	X		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	X		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	X		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	X		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C	x		
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C	x		
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C	x		
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C	x		
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C	x		
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	X		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	X		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	X		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	X		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	X		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	X		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	X		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	X		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	X		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	X		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	X		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C			X
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C			X

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C			X
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C			X
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W			X
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			X
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	x		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved? 30 CFR 250.300(b)(2)	C/S	x		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	X		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	X		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	X		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	X		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	X		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	X		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S	x		
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S	x		
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells? 30 CFR 250.461(a)(2)	S			X
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			X
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W	X		
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			X
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved? 30 CFR 250.420	W			X
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			X
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			X
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained? 30 CFR 250.427(b)	W/S			X

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W	X		
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			X
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			X
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			X
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			X
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			X
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			X
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			X
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			X
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			X
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			X
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			X
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			X
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			X
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			X
D-174	For the final casing string, did the operator install Dual Mechanical Barriers in addition to cement, to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			X
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			X
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			X
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			X
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			X
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			X
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			X

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			X
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			X
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			X
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			X
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			X
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			X
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			X
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			X
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			X
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			X
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			X
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			X
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			X
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			X
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S			X
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			X
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			X
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			X
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			X
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			X
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			X
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			X
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			X
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			X
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			X
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			X
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			X
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			X
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			X

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			X
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			X
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			X
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			X
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			X
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			X
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			X
D-254	When the BOP test are postponed due to well control problems, is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			X
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			X
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			X
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			X
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			X
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			X
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			X
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes, 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			X
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			X
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			X
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			X
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			X
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			X
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			X
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			X
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			X
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			X
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			X
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			X

INC#	WELL-CONTROL DRILLS	CODE	YES	NO	N/A
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			X
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	X		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			X
	DIVERTER SYSTEMS				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			X
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			X
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, actuation-tested and the vent lines flow tested when installed? 30 CFR 250.433	W			X
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			X
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			X
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			X
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			X
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			X
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			X
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			X
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			X
D-314	Is the control station used during the diverter test or actuation identified? 30 CFR 250.434(c)	W			X
	SURFACE DIVERTER SYSTEM				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			X
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			X
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			X
D-322	Is the spool outlet and diverter line nominal diameter at least 10 inches for surface wellhead configurations and at least 12 inches for floating drilling operations? 30 CFR 250.431(a)	S			X
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			X
D-326	Is diverter sealing elements and diverter valves pressure tested to a minimum of 200 psi when nipped up on conductor casing, with no more than 7 days elapsed time between subsequent tests? 30 CFR 250.433(a)	W/S			X
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for surface diverter systems? 30 CFR 250.433(a), 250.433(c)	W			X
D-334	Is vessel heading maintained to allow for downwind diversion on dynamically-positions drill ships? 30 CFR 250.432(d)	S			X
	DRILLING FLUID PROGRAM				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W	x		
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level decreases the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a lower decrease in hydrostatic pressure? 30 CFR 250.456(c)	W			X
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			X

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			X
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	X		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	X		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			X
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			X
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			X
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	X		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	X		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	3		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	X		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	X		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			X
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	X		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	X		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	X		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	X		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	X5		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	X		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			X
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	X		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	12		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			X

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	X		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	X		
	<u>APPLICATION FOR PERMIT TO DRILL</u>				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S	X		
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S	X		
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	X		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			X
	<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			X
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			X
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			X
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			X
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			X
	<u>SUBSEA BOP SYSTEMS</u>				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			X
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			X
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			X
	<u>STUMP TEST</u>				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			X
	<u>INITIAL INSTALLATION TEST</u>				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			X
	<u>HYDROGEN SULFIDE</u>				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	X		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	X		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	X		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	X		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	X		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	X		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	X		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W	X		
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	X		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			X
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card ? 30 CFR 250.490(g)(2)(i, ii)	W	X		
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility ? 30 CFR 250.490(k)(3)(i)	W	X		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	X		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C	X		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			X
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	X		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	X		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	X		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	X		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	X		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	X		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	X		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	X		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C	X		
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C	X		

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C	X		
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C	X		
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S	X		
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	X		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	X		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	X		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	X		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	X		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	X		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W	X		
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	X		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S	X		
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			X
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	X		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			X
H-157	Is gas containing H2S not used for instrument gas, and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S	X		
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			X
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			X
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			X
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			X
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			X
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			X
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			X
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			X

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			X
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S	X		
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W	X		
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W	X		
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W	X		
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W	X		
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S	X		
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months ? 30 CFR 250.490(j)(11)(iv)	W/S	X		
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W	X		
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			X
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			X
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S	X		

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Public Information

U.S. Department of the Interior
 Bureau of Safety and Environmental
 Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
 OMB Approval Expires 10/31/2014

WELL ACTIVITY REPORT

RECEIVED

BEGINNING DATE: 10/02/2012 ENDING DATE: 10/03/2012

OCT 03 2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

CORRECTION CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT

GENERAL INFORMATION

1. API WELL NO. (10 digits) 55-352-0000200		2. OPERATOR NAME Shell Gulf of Mexico Inc	
3. WELL NAME <small>Posey 6764 OCS-Y 2280 001</small>	4. SIDETRACK NO. 00	5. BYPASS NO. 00	6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer		8. WATER DEPTH (surveyed) (ft) 150	9. ELEVATION AT KB (Surveyed) (ft) 48.5

10. CURRENT WELLBORE INFORMATION

SURFACE					BOTTOM						
LEASE NO.	AREA NAME	BLOCK NO.			LEASE NO.		BLOCK NO.				
OCS Y-2280	Posey	6764			OCS Y-2280		6764				
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					N/A				N/A	N/A	N/A

11. WELLBORE HISTORICAL INFORMATION

WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD
	OCS Y-2280					

Public Information

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Public Information

U.S. Department of the Interior
 Bureau of Safety and Environmental
 Enforcement (BSEE)

Submit **ORIGINAL**

OMB control Number 1014-0018
 OMB Approval Expires 10/31/2014

RECEIVED

OCT 09 2012

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

WELL ACTIVITY REPORT

BEGINNING DATE: 10/02/2012 **ENDING DATE:** 10/02/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

<input checked="" type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-171-0001300						2. OPERATOR NAME Shell Offshore, Inc					
3. WELL NAME OCS-Y 1805 #001 (Sivulliq N)		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS Shawn Gelsinger/713.594.8531/shawn.gelsinger@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Shell Kulluk						8. WATER DEPTH (surveyed) (ft) 106		9. ELEVATION AT KB (Surveyed) (ft) 68			
10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.				BLOCK NO.	
n/a		n/a		n/a		n/a				n/a	
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					n/a				n/a	n/a	n/a
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
m/a	n/a										

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Eiden Street, Herndon, VA 20170.

Tankersley, Yolanda J

From: Howell, Randy
Sent: Wednesday, October 03, 2012 6:47 AM
To: Fesmire, Mark E; Monkeliën, Kyle; Shank, Michael L; Miller, Chet; Crumrine, Kathleen
Subject: Kulluk

Shell continuing to prepare the kulluk for spuding the well, waiting on approval to spud the well.

Randy

From: [Shank, Michael L](#)
To: [Fesmire, Mark E](#); [Monkelien, Kyle](#); [Crumrine, Kathleen](#); [Walker, Jeffrey](#); [Howell, Randy](#)
Subject: Daily Report
Date: Wednesday, October 03, 2012 7:37:15 AM

- Continuing to dig MLC
- Onloading and offloading material from the supply vessel

No safety or environmental issues to report.

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer INSPECTION DATE 10/3/2012

INSPECTORS NAME Michael Shank

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	X		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	X		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	x		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	X		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	X		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	X		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	X		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	X		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C	x		
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C	x		
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C	x		
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C	x		
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C	x		
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	X		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	X		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	X		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	X		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	X		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	X		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	X		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	X		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	X		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	X		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	X		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C			X
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C			X

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C			X
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C			X
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W			X
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			X
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	x		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved? 30 CFR 250.300(b)(2)	C/S	x		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	X		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	X		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	X		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	X		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	X		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	X		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S	x		
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S	x		
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells? 30 CFR 250.461(a)(2)	S			X
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			X
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W	X		
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			X
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved? 30 CFR 250.420	W			X
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			X
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			X
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained? 30 CFR 250.427(b)	W/S			X

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W	X		
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			X
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			X
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			X
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			X
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			X
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			X
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			X
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			X
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			X
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			X
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			X
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			X
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			X
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			X
D-174	For the final casing string, did the operator install Dual Mechanical Barriers in addition to cement, to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			X
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			X
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			X
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			X
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			X
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			X
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			X

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			X
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			X
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			X
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			X
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			X
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			X
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			X
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			X
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			X
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			X
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			X
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			X
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			X
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			X
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S			X
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			X
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			X
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			X
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			X
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			X
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			X
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			X
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			X
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			X
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			X
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			X
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			X
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			X
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			X

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			X
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			X
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			X
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			X
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			X
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			X
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			X
D-254	When the BOP test are postponed due to well control problems, is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			X
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			X
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			X
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			X
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			X
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			X
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			X
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes, 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			X
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			X
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			X
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			X
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			X
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			X
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			X
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			X
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			X
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			X
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			X
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			X

INC#	WELL-CONTROL DRILLS	CODE	YES	NO	N/A
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			X
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	X		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			X
	DIVERTER SYSTEMS				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			X
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			X
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, actuation-tested and the vent lines flow tested when installed? 30 CFR 250.433	W			X
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			X
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			X
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			X
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			X
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			X
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			X
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			X
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			X
D-314	Is the control station used during the diverter test or actuation identified? 30 CFR 250.434(c)	W			X
	SURFACE DIVERTER SYSTEM				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			X
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			X
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			X
D-322	Is the spool outlet and diverter line nominal diameter at least 10 inches for surface wellhead configurations and at least 12 inches for floating drilling operations? 30 CFR 250.431(a)	S			X
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			X
D-326	Is diverter sealing elements and diverter valves pressure tested to a minimum of 200 psi when nipped up on conductor casing, with no more than 7 days elapsed time between subsequent tests? 30 CFR 250.433(a)	W/S			X
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for surface diverter systems? 30 CFR 250.433(a), 250.433(c)	W			X
D-334	Is vessel heading maintained to allow for downwind diversion on dynamically-positions drill ships? 30 CFR 250.432(d)	S			X
	DRILLING FLUID PROGRAM				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W	x		
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level decreases the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a lower decrease in hydrostatic pressure? 30 CFR 250.456(c)	W			X
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			X

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			X
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	X		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	X		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			X
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			X
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			X
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	X		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	X		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	3		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	X		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	X		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			X
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	X		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	X		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	X		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	X		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	X5		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	X		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			X
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	X		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	12		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			X

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	X		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	X		
<u>APPLICATION FOR PERMIT TO DRILL</u>					
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S	X		
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S	X		
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	X		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			X
<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>					
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			X
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			X
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			X
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			X
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			X
<u>SUBSEA BOP SYSTEMS</u>					
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			X
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			X
D-602	If Operator Activated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			X
<u>STUMP TEST</u>					
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			X
<u>INITIAL INSTALLATION TEST</u>					
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			X
<u>HYDROGEN SULFIDE</u>					
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	X		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	X		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	X		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	X		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	X		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	X		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	X		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W	X		
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	X		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			X
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card? 30 CFR 250.490(g)(2)(i, ii)	W	X		
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W	X		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	X		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C	X		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			X
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	X		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	X		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	X		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	X		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	X		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	X		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	X		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	X		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C	X		
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C	X		

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C	X		
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C	X		
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S	X		
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	X		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	X		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	X		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	X		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	X		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	X		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W	X		
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	X		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S	X		
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			X
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	X		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			X
H-157	Is gas containing H2S not used for instrument gas, and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S	X		
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			X
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			X
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			X
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			X
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			X
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			X
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			X
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			X

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			X
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S	X		
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W	X		
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W	X		
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W	X		
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W	X		
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S	X		
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months? 30 CFR 250.490(j)(11)(iv)	W/S	X		
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W	X		
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			X
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			X
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S	X		

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:



EPA Inspection Form for Alaska
 Outer Continental Shelf Oil and Gas Facilities
 NPDES General Permit No. AKG280000
 Location: Chukchi Sea 2012
 Permittee: Shell

Permittee Representative	James Coston	Inspector Name	Michael Shank
Inspection Date	10/3/2012	Signature	
Insp. Time (Start/End)		Well Name	Burger A
Lease No.	OCS-Y 2280	Block No.	Posey 6764

Vessel (Circle One) *Noble Discoverer* Other _____

	Comment (✓)	Yes	No	N/A
Discharge No. and Description				
001 – Water-based Drilling Fluids and Drilling Cuttings				
Total Volume (Monthly estimate)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Flow Limitation (Hourly during discharge; estimate)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Suspended Particulate Phase Toxicity Test (Monthly; 30,000 ppm)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Free Oil – No Discharge (Static Sheen Test; Daily)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Free Oil – No Discharge (Visual; Daily)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Diesel Oil – No Discharge (Once per well and upon failure of static sheen test)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Barite Analysis for Mercury (≤ 1 mg/kg; once prior to drilling each well)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Barite Analysis for Cadmium (≤ 3 mg/kg; once prior to drilling each well)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chromium VI, Silver & Thallium (Once per well)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Total Aqueous Hydrocarbons (Once per well)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Total Aromatic Hydrocarbons (Once per well)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chemical inventory of all constituents added downhole	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
002 – Deck Drainage				
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Free Oil – No Discharge (Static Sheen Test; once per discharge event)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Aqueous Hydrocarbons (Once per discharge event)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Aromatic Hydrocarbons (Once per discharge event)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Contaminated drainage is processed through oil-water separator before discharge	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
003 – Sanitary Wastes				
Flow (Daily; Measured/recorded)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BOD ₅ (30 mg/l Monthly Ave; 60 mg/L Daily Max; Weekly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TSS (30 mg/l Monthly Ave; 60 mg/L Daily Max; Weekly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Floating Solids, Garbage, Foam, Oily Sheen Obs. – No Discharge (Daily; visual)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH (6.0-9.0; Monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fecal Coliform (100 c/100 mL Month Ave; 200 c/100 mL Daily Max; Monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Residual Chlorine (0.5 mg/L Monthly Ave; 1.0 mg/L Daily Max; Weekly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
004 – Domestic Wastes				
Floating Solids, Garbage, Foam Obs. – No Discharge (Daily; visual)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flow (Monthly estimated)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Continued on Next Page

	Comment (✓)	Yes	No	N/A
Discharge No. and Description				
005 – Desalination Unit Wastes				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chemical inventory of quantities and rates added	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
006 – Blowout Preventer Fluid				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
009 – Non-contact Cooling Water				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chemical/Biocides inventory of type and quantity added	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
010 – Uncontaminated Ballast Water				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
011 – Bilge Water				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bilge water is processed through oil-water separator before discharge	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
012 – Excess Cement Slurry				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
013 – Mud, Cuttings, Cement at Seafloor				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Miscellaneous Requirements – All Applicable Discharge Nos.				
Floating solids, debris, sludge, deposits, foam, scum or other residues causing nuisance, objectionable or detrimental conditions – No Discharge (Section II.A.4.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Visual monitoring in outfall vicinity at time of maximum estimated or measured discharge (Section II.A.10.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NOTE: Observations should be described in detail in the Comments section				

Comments *(Continue on next page as needed)*

001-No Discharge
003-No Discharge, samples sent into town for lab analysis
005-No chemicals added
006-No Discharge

Comments *(continued)*

009-No Discharge

010-No Discharge

012-No Discharge

Note: No cementing was performed prior to this inspection.

Public Information

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
OMB Approval Expires 10/31/2014

WELL ACTIVITY REPORT

RECEIVED

OCT 04 2012

BEGINNING DATE: 10/03/2012 ENDING DATE: 10/04/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-352-0000200						2. OPERATOR NAME Shell Gulf of Mexico Inc					
3. WELL NAME <small>Posey 6764 OCS-Y 2280 001</small>		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer						8. WATER DEPTH (surveyed) (ft) 150			9. ELEVATION AT KB (Surveyed) (ft) 48.5		
10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.				BLOCK NO.	
OCS Y-2280		Posey		6764		OCS Y-2280				6764	
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					N/A				N/A	N/A	N/A
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS Y-2280										

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY
Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

None of the following have occurred:

- Wireline logs (Report when acquired)
- Wireline Directionals (Report when acquired)
- Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
- Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
- PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)

Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

<input type="checkbox"/> Kick Occurrence	<input type="checkbox"/> Well Control Equipment Failure
<input type="checkbox"/> Shallow Water Flow	<input type="checkbox"/> H ₂ S Encounter
<input type="checkbox"/> Weather and Oceanographic Conditions	<input type="checkbox"/> New Technology Failure
<input type="checkbox"/> General Rig Equipment Failure	<input type="checkbox"/> Stuck Pipe
<input type="checkbox"/> Lost Returns	<input type="checkbox"/> Wellbore Integrity Failure
<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

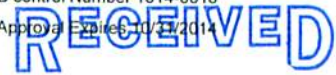
PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Public Information

U.S. Department of the Interior
 Bureau of Safety and Environmental
 Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
 OMB Approval Expires 10/31/2014



OCT 09 2012

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

WELL ACTIVITY REPORT

BEGINNING DATE: 10/03/2012 ENDING DATE: 10/03/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-171-0001300					2. OPERATOR NAME Shell Offshore, Inc						
3. WELL NAME OCS-Y 1805 #001 (Sivulliq N)		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS Shawn Gelsinger/713.594.8531/shawn.gelsinger@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Shell Kulluk					8. WATER DEPTH (surveyed) (ft) 106			9. ELEVATION AT KB (Surveyed) (ft) 68			
10. CURRENT WELLBORE INFORMATION											
SURFACE					BOTTOM						
LEASE NO.	AREA NAME	BLOCK NO.			LEASE NO.			BLOCK NO.			
OCS-Y 1805	Flaxman Island	6658			OCS-Y 1805			6658			
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					n/a				n/a	n/a	n/a
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS-Y 1805										

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Hemdon, VA 20170.

From: [Shank, Michael L](#)
To: [Fesmire, Mark E](#); [Monkelien, Kyle](#); [Crumrine, Kathleen](#); [Walker, Jeffrey](#); [Howell, Randy](#)
Subject: Daily Report
Date: Thursday, October 04, 2012 7:48:48 AM

Daily Report
10/3/2012

- Continue digging MLC
- POOH and hung off drill floor to rotate ship for weather/sea state
- Run back in hole to continue drilling MLC

Next 24 Hrs: They are repeating the same operation as yesterday to anticipate a change in the weather. They figure if they do it this morning it will give them a longer period of time to finish constructing the MLC before they have to change again.

Tankersley, Yolanda J

From: Howell, Randy
Sent: Thursday, October 04, 2012 8:02 AM
To: Fesmire, Mark E; Monkeliën, Kyle; Shank, Michael L; Crumrine, Kathleen; Miller, Chet; Walker, Jeffrey
Subject: Kulluk

Spuded the well at 15:54 on 10-3-12,
Drill 60' of rat hole, so there is enough room to pick up smart tools (LWD)
Making up smart tools and testing at this time
Prognosis for today finish making up smart tool, then proceed to drill 8.5 pilot hole.

Randy

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Kulluk **INSPECTION DATE** 10-4-12

INSPECTORS NAME Randy Howell

MODIFIED August 2012

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	1		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	1		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	1		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	1		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	1		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	1		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	1		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	1		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C	10		
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C	10		
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			10
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C	10		
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C	3		7
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	1		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	1		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W			1
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	1		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	1		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	1		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	1		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	1		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	1		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	1		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	1		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C	1		
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C	1		

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C	1		
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C	1		
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W	1		
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C	1		
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	1		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S	1		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	1		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	1		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	1		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	1		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	1		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	1		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S	1		
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			1
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			1
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			1
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W			1
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			1
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W			0
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			0
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			0
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			0

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			0
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			0
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			0
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.421(c)	W/S			0
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.423(a)	W/S			0
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			0
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			0
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			0
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			0
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			0
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			0
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			0
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			0
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			0
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			0
D-174	For the final casing string , did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			0
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			0
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			0
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			0
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			0
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			0
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			0

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			0
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			0
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			0
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			0
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			0
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			0
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			0
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			0
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			0
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S	1		
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			0
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			0
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S	1		
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S	1		
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S	2		
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W	2		
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			0
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			0
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			0
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			0
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			0
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			0
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			0
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			0
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			0
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			0
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			0
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			0
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			0

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			0
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			0
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			0
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			0
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			0
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			0
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			0
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			0
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			0
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			0
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			0
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			0
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			0
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			0
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			0
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			0
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			0
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			0
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			0
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			0
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			0
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			0
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			0
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			0
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			0
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			0

INC#	WELL-CONTROL DRILLS	CODE	YES	NO	N/A
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W	2		0
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	2		0
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W	2		0
	DIVERTER SYSTEMS				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			0
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			0
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, actuation-tested and the vent lines flow tested when installed? 30 CFR 250.433	W			0
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			0
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			0
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			0
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			0
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			0
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			0
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			0
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			0
D-314	Is the control station used during the diverter test or actuation identified? 30 CFR 250.434(c)	W			0
	SURFACE DIVERTER SYSTEM				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			0
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			0
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			0
D-322	Is the spool outlet and diverter line nominal diameter at least 10 inches for surface wellhead configurations and at least 12 inches for floating drilling operations? 30 CFR 250.431(a)	S			0
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			0
D-326	Is diverter sealing elements and diverter valves pressure tested to a minimum of 200 psi when nipped up on conductor casing, with no more than 7 days elapsed time between subsequent tests? 30 CFR 250.433(a)	W/S			0
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for surface diverter systems? 30 CFR 250.433(a), 250.433(c)	W			0
D-334	Is vessel heading maintained to allow for downwind diversion on dynamically-positions drill ships? 30 CFR 250.432(d)	S			0
	DRILLING FLUID PROGRAM				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W	1		
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level decreases the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a lower decrease in hydrostatic pressure? 30 CFR 250.456(c)	W			0
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			0

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			0
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W			0
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S			0
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			0
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			0
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			0
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S			0
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S			0
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S			0
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	1		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	1		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	1		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			0
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	1		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	1		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	1		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	1		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	1		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	1		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S	1		
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	1		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	1		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			0

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	1		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	1		
<u>APPLICATION FOR PERMIT TO DRILL</u>					
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S	1		
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S	1		
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	1		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			0
<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>					
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			0
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S	1		
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S	1		
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S	1		
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S	1		
<u>SUBSEA BOP SYSTEMS</u>					
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W	1		
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S	1		
D-602	If Operator Activated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			0
<u>STUMP TEST</u>					
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			0
<u>INITIAL INSTALLATION TEST</u>					
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			0
<u>HYDROGEN SULFIDE</u>					
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S			0
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S			0
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C			0

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C			0
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C			0
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C			0
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W			0
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W			0
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C			0
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			0
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card? 30 CFR 250.490(g)(2)(i, ii)	W			0
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W			0
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C			0
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C			0
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S			0
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			0
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S			0
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S			0
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S			0
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S			0
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C			0
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C			0
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C			0
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W			0
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S			0
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W			0
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S			0
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C			0
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C			0

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C			0
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C			0
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S			0
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S			0
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S			0
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W			0
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W			0
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S			0
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S			0
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S			0
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			0
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W			0
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S			0
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S			0
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			0
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S			0
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			0
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S			0
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			0
H-160	When conducting coring operations , is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			0
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			0
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			0
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			0
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			0
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			0
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			0

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			0
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S			0
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W			0
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W			0
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W			0
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W			0
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S			0
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months? 30 CFR 250.490(j)(11)(iv)	W/S			0
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W			0
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor? 30 CFR 250.490(j)(5)(iv)	C			0
H-179	When drilling, are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone? 30 CFR 250.490(j)(7)(i)	W			0
H-181	In areas classified as H2S Present, are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations? 30 CFR 250.490(j)(7)(i)	W/S			0

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor	<u>10-3-2012</u>	<u>10-3-2012</u>	<u>20 low, 40 hi</u>
Shale Shaker area			
Mud Pit Room			
Other locations	<u>9-26-2010</u>	<u>9-26-2012</u>	<u>20 low, 40 hi</u>

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Spud well at 15:54 hours on Oct. 3, 2012

Drilled riserless

ROV monitoring well as for gas bubbles

Having problems with top drive, and LWD, pull out of hole and do repairs

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer INSPECTION DATE 10/4/2012

INSPECTORS NAME Michael Shank

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	X		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	X		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	x		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	X		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	X		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	X		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	X		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	X		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C	x		
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C	x		
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C	x		
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C	x		
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C	x		
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	X		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	X		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	X		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	X		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	X		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	X		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	X		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	X		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	X		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	X		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	X		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C			X
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C			X

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C			X
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C			X
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W			X
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			X
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	x		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S	x		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	X		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	X		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	X		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	X		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	X		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	X		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S	x		
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S	x		
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			X
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			X
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W	X		
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			X
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W			X
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			X
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			X
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			X

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W	X		
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			X
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			X
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			X
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			X
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			X
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			X
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			X
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			X
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			X
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			X
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			X
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			X
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			X
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			X
D-174	For the final casing string, did the operator install Dual Mechanical Barriers in addition to cement, to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			X
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			X
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			X
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			X
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			X
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			X
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			X

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			X
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			X
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			X
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			X
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			X
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			X
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			X
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			X
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			X
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			X
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			X
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			X
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			X
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			X
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S			X
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			X
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			X
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			X
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			X
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			X
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			X
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			X
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			X
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			X
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			X
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			X
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			X
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			X
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			X

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			X
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			X
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			X
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			X
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			X
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			X
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			X
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			X
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			X
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			X
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			X
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			X
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			X
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			X
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			X
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			X
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			X
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			X
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			X
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			X
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			X
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			X
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			X
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			X
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			X
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			X

INC#	WELL-CONTROL DRILLS	CODE	YES	NO	N/A
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			X
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	X		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			X
	DIVERTER SYSTEMS				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			X
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			X
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, <u>actuation-tested</u> and the vent lines flow tested when installed? 30 CFR 250.433	W			X
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			X
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			X
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			X
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			X
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			X
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			X
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			X
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			X
D-314	Is the control station used during the diverter test or actuation <u>identified</u> ? 30 CFR 250.434(c)	W			X
	SURFACE DIVERTER SYSTEM				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			X
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			X
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			X
D-322	Is the spool outlet and diverter line nominal diameter at <u>least 10 inches</u> for surface wellhead configurations and at <u>least 12 inches for floating drilling operations</u> ? 30 CFR 250.431(a)	S			X
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			X
D-326	Is diverter sealing elements and diverter valves pressure tested to a <u>minimum of 200 psi</u> when nipped up on conductor casing, with no more than <u>7 days elapsed time</u> between subsequent tests? 30 CFR 250.433(a)	W/S			X
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, <u>conducted at least once every 24 hour period alternating between control stations for surface diverter systems</u> ? 30 CFR 250.433(a), 250.433(c)	W			X
D-334	Is vessel heading maintained to allow for downwind diversion on <u>dynamically-positions drill ships</u> ? 30 CFR 250.432(d)	S			X
	DRILLING FLUID PROGRAM				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation <u>was not</u> necessary? 30 CFR 250.456(a)	W	x		
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level <u>decreases the hydrostatic pressure by 75 psi</u> , or <u>every 5 stands of drill pipe</u> , whichever gives a <u>lower decrease in hydrostatic pressure</u> ? 30 CFR 250.456(c)	W			X
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			X

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			X
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	X		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	X		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			X
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			X
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			X
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	X		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	X		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	3		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	X		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	X		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			X
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	X		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	X		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	X		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	X		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	X5		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	X		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			X
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	X		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	12		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			X

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	X		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	X		
	<u>APPLICATION FOR PERMIT TO DRILL</u>				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S	X		
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S	X		
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	X		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			X
	<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			X
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			X
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			X
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			X
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			X
	<u>SUBSEA BOP SYSTEMS</u>				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			X
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			X
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			X
	<u>STUMP TEST</u>				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			X
	<u>INITIAL INSTALLATION TEST</u>				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			X
	<u>HYDROGEN SULFIDE</u>				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	X		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	X		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	X		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	X		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	X		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	X		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	X		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W	X		
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	X		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			X
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card? 30 CFR 250.490(g)(2)(i, ii)	W	X		
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W	X		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	X		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C	X		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			X
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	X		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	X		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	X		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	X		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	X		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	X		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	X		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	X		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C	X		
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C	X		

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C	X		
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C	X		
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S	X		
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	X		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	X		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	X		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	X		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	X		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	X		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W	X		
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	X		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S	X		
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			X
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	X		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			X
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S	X		
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			X
H-160	When conducting coring operations , is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			X
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			X
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			X
H-163	During stripping operations , are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			X
H-164	During stripping operations , is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			X
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			X
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			X

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			X
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S	X		
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W	X		
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W	X		
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W	X		
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W	X		
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S	X		
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months? 30 CFR 250.490(j)(11)(iv)	W/S	X		
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W	X		
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			X
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			X
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S	X		

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Public Information

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
OMB Approval Expires 10/31/2014

WELL ACTIVITY REPORT

RECEIVED

BEGINNING DATE: 10/04/2012 ENDING DATE: 10/05/2012

OCT 09 2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

CORRECTION CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT

GENERAL INFORMATION

1. API WELL NO. (10 digits) 55-352-0000200			2. OPERATOR NAME Shell Gulf of Mexico Inc		
3. WELL NAME Posey 6764 OCS-Y 2280 001	4. SIDETRACK NO. 00	5. BYPASS NO. 00	6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com		
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer			8. WATER DEPTH (surveyed) (ft) 150	9. ELEVATION AT KB (Surveyed) (ft) 48.5	

10. CURRENT WELLBORE INFORMATION

SURFACE					BOTTOM						
LEASE NO.	AREA NAME	BLOCK NO.		LEASE NO.	BLOCK NO.						
OCS Y-2280	Posey	6764		OCS Y-2280	6764						
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
					N/A				N/A	LOW	HIGH
										N/A	N/A

11. WELLBORE HISTORICAL INFORMATION

WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD
	OCS Y-2280					

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY
Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

None of the following have occurred:

- † Wireline logs (Report when acquired)
- † Wireline Directionals (Report when acquired)
- † Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
- † Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
- † PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)

Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

<input type="checkbox"/> Kick Occurrence	<input type="checkbox"/> Well Control Equipment Failure
<input type="checkbox"/> Shallow Water Flow	<input type="checkbox"/> H ₂ S Encounter
<input type="checkbox"/> Weather and Oceanographic Conditions	<input type="checkbox"/> New Technology Failure
<input type="checkbox"/> General Rig Equipment Failure	<input type="checkbox"/> Stuck Pipe
<input type="checkbox"/> Lost Returns	<input type="checkbox"/> Wellbore Integrity Failure
<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Public Information

U.S. Department of the Interior
 Bureau of Safety and Environmental
 Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
 OMB Approval Expires 10/31/2014

WELL ACTIVITY REPORT

BEGINNING DATE: 10/04/2012 **ENDING DATE:** 10/04/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

RECEIVED

OCT 09 2012

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-171-0001300						2. OPERATOR NAME Shell Offshore, Inc					
3. WELL NAME <small>OCS-Y 1805 #001 (Sivulliq N)</small>		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS Shawn Gelsinger/713.594.8531					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Shell Kulluk						8. WATER DEPTH (surveyed) (ft) 106		9. ELEVATION AT KB (Surveyed) (ft) 68			
10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.				BLOCK NO.	
OCS-Y 1805		Flaxman Island		6658		OCS-Y 1805				6658	
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					n/a				n/a	n/a	n/a
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS-Y 1805										

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
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<input type="checkbox"/> General Rig Equipment Failure	<input type="checkbox"/> Stuck Pipe
<input type="checkbox"/> Lost Returns	<input type="checkbox"/> Wellbore Integrity Failure
<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

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From: [Shank, Michael L](#)
To: [Fesmire, Mark E](#); [Monkelien, Kyle](#); [Crumrine, Kathleen](#); [Walker, Jeffrey](#); [Howell, Randy](#)
Subject: Daily Report
Date: Friday, October 05, 2012 7:52:37 AM

Daily Report
10/4/2012

- Continued drilling MLC.
- Stopped mid-morning and pulled off bottom (but not out of the hole) to rotate the ship.
- Inspected bit with the ROV, everything looked good; cutters were still mostly intact and not too much mud stuck to it.
- Attempted to lower the bit back into the hole, but the torque experienced was spiking so they realigned the ship over the hole and lowered in w/o rotating.
- Continued drilling MLC, rotated the ship ~30 degrees but did not stop drilling.

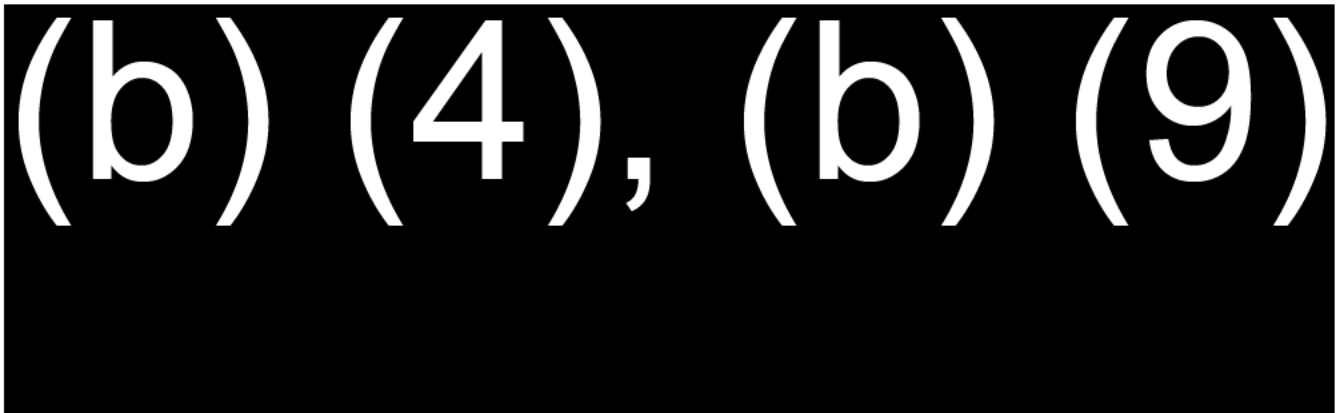
Next 24 hours: Finish drilling MLC, monitor weather to determine if conditions allow crane use to pick up MLCB riser.

From: [Shank, Michael L](#)
To: [Fesmire, Mark E](#)
Subject: RE: BSEE AKOCS Daily Drilling Report
Date: Friday, October 05, 2012 9:57:01 AM

I forgot to mention on my morning report; a paper boot cover was lost over board last night. It was reported by Shell to their Regulatory Affairs who notify the applicable regulatory authorities.

-Mike

From: Fesmire, Mark
Sent: Friday, October 05, 2012 8:02 AM
To: Aiken, Johnny; Bergerson, Jason; Boyle, John; Brower, Harry; Camilleri, Richard; Captain Paul Mehler III; Edwardson, George; executive@inupiatgov.com; Feldgus, Steven H; Frankson, Peggy; Haller, Michael L; Hynes, Robert; Johnston, David; Kendall, James; Lefevre, Jessica; Lew, Shoshana M; Loman, Jeffery; Olemaun, Thomas; Pardi, Nicholas W; Platt, Dudley; Riemer, Christopher A; Schneider, Margaret N; Shaefer, J; Smith, Darrel A.; Van Horn, Gary; Walker, Jeffrey; Wall, Rance; Warren, Sharon E; Watson, James A
Cc: Howell, Randy; Shank, Michael L; Monkelien, Kyle; Miller, Chet
Subject: BSEE AKOCS Daily Drilling Report



Mark E. Fesmire, PE JD
Alaska Regional Director
Bureau of Safety and Environmental Enforcement
3801 Centerpoint Drive
Anchorage Alaska 99503
mark.fesmire@bsee.gov
(Office) 907-334-5300
(Cell) 907-830-4810
(Home) 907-375-1941

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Kulluk **INSPECTION DATE** 10-5-12

INSPECTORS NAME Randy Howell

MODIFIED August 2012

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	1		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	1		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	1		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	1		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	1		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	1		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	1		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	1		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C	10		
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C	10		
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			10
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C	10		
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C	3		7
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	1		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	1		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W			1
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	1		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	1		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	1		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	1		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	1		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	1		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	1		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	1		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C	1		
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C	1		

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C	1		
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C	1		
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W	1		
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C	1		
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	1		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S	1		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	1		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	1		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	1		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	1		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	1		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	1		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S	1		
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			1
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			1
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			1
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W			1
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			1
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W			0
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			0
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			0
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			0

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			0
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			0
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			0
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			0
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			0
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			0
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			0
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			0
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			0
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			0
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			0
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			0
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			0
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			0
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			0
D-174	For the final casing string , did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			0
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			0
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			0
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			0
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			0
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			0
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			0

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			0
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			0
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			0
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			0
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			0
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			0
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			0
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			0
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			0
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S	1		
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			0
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			0
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S	1		
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S	1		
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S	2		
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W	2		
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			0
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			0
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			0
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			0
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			0
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			0
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			0
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			0
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			0
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			0
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			0
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			0
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			0

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			0
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			0
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			0
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			0
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			0
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			0
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			0
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			0
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			0
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			0
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			0
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			0
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			0
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			0
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			0
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			0
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			0
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			0
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			0
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			0
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			0
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			0
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			0
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			0
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			0
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			0

INC#	WELL-CONTROL DRILLS	CODE	YES	NO	N/A
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W	2		
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	2		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W	2		
	DIVERTER SYSTEMS				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			0
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			0
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, actuation-tested and the vent lines flow tested when installed? 30 CFR 250.433	W			0
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			0
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			0
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			0
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			0
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			0
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			0
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			0
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			0
D-314	Is the control station used during the diverter test or actuation identified? 30 CFR 250.434(c)	W			0
	SURFACE DIVERTER SYSTEM				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			0
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			0
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			0
D-322	Is the spool outlet and diverter line nominal diameter at least 10 inches for surface wellhead configurations and at least 12 inches for floating drilling operations? 30 CFR 250.431(a)	S			0
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			0
D-326	Is diverter sealing elements and diverter valves pressure tested to a minimum of 200 psi when nipped up on conductor casing, with no more than 7 days elapsed time between subsequent tests? 30 CFR 250.433(a)	W/S			0
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for surface diverter systems? 30 CFR 250.433(a), 250.433(c)	W			0
D-334	Is vessel heading maintained to allow for downwind diversion on dynamically-positions drill ships? 30 CFR 250.432(d)	S			0
	DRILLING FLUID PROGRAM				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W			0
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level decreases the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a lower decrease in hydrostatic pressure? 30 CFR 250.456(c)	W			0
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			0

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			0
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W			0
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S			0
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			0
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			0
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			0
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	1		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S			0
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S			0
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	1		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	1		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	1		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			0
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	1		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	1		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	1		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	1		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	1		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	1		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S	1		
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	1		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	1		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			0

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	1		0
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	1		0
<u>APPLICATION FOR PERMIT TO DRILL</u>					
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S	1		
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S	1		
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	1		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			0
<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>					
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			0
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			0
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			0
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			0
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			0
<u>SUBSEA BOP SYSTEMS</u>					
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W	1		
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S	1		
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S	1		
<u>STUMP TEST</u>					
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			0
<u>INITIAL INSTALLATION TEST</u>					
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			0
<u>HYDROGEN SULFIDE</u>					
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S			0
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S			0
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C			0

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C			0
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C			0
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C			0
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W			0
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W			0
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C			0
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			0
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card ? 30 CFR 250.490(g)(2)(i, ii)	W			0
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility ? 30 CFR 250.490(k)(3)(i)	W			0
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C			0
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C			0
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S			0
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			0
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S			0
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S			0
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S			0
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S			0
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C			0
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C			0
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C			0
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W			0
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S			0
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W			0
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S			0
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C			0
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C			

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C			0
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C			0
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S			0
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S			0
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S			0
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W			0
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W			0
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S			0
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S			0
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S			0
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			0
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W			0
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S			0
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S			0
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			0
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S			0
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			0
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S			0
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			0
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			0
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			0
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			0
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			0
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			0
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			0
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			0

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			0
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S			0
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W			0
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W			0
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W			0
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W			0
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S			0
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months ? 30 CFR 250.490(j)(11)(iv)	W/S			0
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W			0
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			0
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			0
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S			0

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor	<u>10-3-2012</u>	<u>10-3-2012</u>	<u>20 low, 40 hi</u>
Shale Shaker area			
Mud Pit Room			
Other locations	<u>9-26-2010</u>	<u>9-26-2012</u>	<u>20 low, 40 hi</u>

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Drilled riserless

ROV monitoring well for gas bubbles,

Having problems with the sonic tool, which is part of the LWD,
stop drilling and pull tools to analysis and repair.

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer INSPECTION DATE 10/5/2012

INSPECTORS NAME Michael Shank

<u>SINC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	X		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	X		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	x		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	X		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	X		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	X		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	X		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	X		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C	x		
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C	x		
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C	x		
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C	x		
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C	x		
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	X		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	X		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	X		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	X		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	X		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	X		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	X		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	X		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	X		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	X		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	X		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C			X
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C			X

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C			X
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C			X
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W			X
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			X
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	x		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S	x		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	X		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	X		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	X		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	X		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	X		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	X		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S	x		
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S	x		
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			X
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			X
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W	X		
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			X
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W			X
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			X
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			X
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			X

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W	X		
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			X
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			X
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			X
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			X
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			X
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			X
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			X
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			X
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			X
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			X
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			X
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			X
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			X
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			X
D-174	For the final casing string , did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			X
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			X
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			X
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			X
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			X
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			X
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			X

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			X
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			X
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			X
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			X
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			X
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			X
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			X
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			X
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			X
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			X
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			X
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			X
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			X
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			X
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S			X
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			X
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			X
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			X
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			X
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			X
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			X
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			X
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			X
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			X
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			X
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S	X		
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			X
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			X
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			X

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			X
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			X
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			X
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			X
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			X
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			X
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			X
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			X
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			X
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			X
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			X
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			X
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			X
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			X
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			X
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			X
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			X
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			X
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			X
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			X
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			X
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			X
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			X
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			X
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			X
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			X

INC#	WELL-CONTROL DRILLS	CODE	YES	NO	N/A
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			X
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	X		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			X
	DIVERTER SYSTEMS				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			X
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			X
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, actuation-tested and the vent lines flow tested when installed? 30 CFR 250.433	W			X
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			X
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			X
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			X
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			X
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			X
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			X
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			X
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			X
D-314	Is the control station used during the diverter test or actuation identified? 30 CFR 250.434(c)	W			X
	SURFACE DIVERTER SYSTEM				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			X
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			X
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			X
D-322	Is the spool outlet and diverter line nominal diameter at least 10 inches for surface wellhead configurations and at least 12 inches for floating drilling operations? 30 CFR 250.431(a)	S			X
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			X
D-326	Is diverter sealing elements and diverter valves pressure tested to a minimum of 200 psi when nipped up on conductor casing, with no more than 7 days elapsed time between subsequent tests? 30 CFR 250.433(a)	W/S			X
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for surface diverter systems? 30 CFR 250.433(a), 250.433(c)	W			X
D-334	Is vessel heading maintained to allow for downwind diversion on dynamically-positions drill ships? 30 CFR 250.432(d)	S			X
	DRILLING FLUID PROGRAM				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W	x		
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level decreases the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a lower decrease in hydrostatic pressure? 30 CFR 250.456(c)	W			X
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			X

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			X
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	X		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	X		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			X
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			X
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			X
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	X		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	X		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	3		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	X		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	X		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			X
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	X		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	X		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	X		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	X		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	X5		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	X		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			X
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	X		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	12		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			X

INC#	SUPERVISION, SURVEILLANCE, AND TRAINING	CODE	YES	NO	N/A
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	X		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	X		
	APPLICATION FOR PERMIT TO DRILL				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S	X		
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S	X		
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	X		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			X
	BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			X
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			X
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			X
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			X
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			X
	SUBSEA BOP SYSTEMS				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			X
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			X
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			X
	STUMP TEST				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			X
	INITIAL INSTALLATION TEST				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			X
	HYDROGEN SULFIDE				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	X		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	X		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	X		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	X		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	X		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	X		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	X		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W	X		
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	X		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			X
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card? 30 CFR 250.490(g)(2)(i, ii)	W	X		
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W	X		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	X		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C	X		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			X
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	X		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	X		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	X		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	X		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	X		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	X		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	X		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	X		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C	X		
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C	X		

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C	X		
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C	X		
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S	X		
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	X		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	X		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	X		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	X		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	X		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	X		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W	X		
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	X		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S	X		
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			X
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	X		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			X
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S	X		
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			X
H-160	When conducting coring operations , is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			X
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			X
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			X
H-163	During stripping operations , are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			X
H-164	During stripping operations , is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			X
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			X
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			X

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			X
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S	X		
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W	X		
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W	X		
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W	X		
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W	X		
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S	X		
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months? 30 CFR 250.490(j)(11)(iv)	W/S	X		
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W	X		
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			X
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			X
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S	X		

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Public Information

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
OMB Approval Expires 10/31/2014

WELL ACTIVITY REPORT

BEGINNING DATE: 10/05/2012 ENDING DATE: 10/06/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

RECEIVED

OCT 09 2012

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-352-0000200						2. OPERATOR NAME Shell Gulf of Mexico Inc					
3. WELL NAME Posey 6764 OCS-Y 2280 001		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer						8. WATER DEPTH (surveyed) (ft) 150			9. ELEVATION AT KB (Surveyed) (ft) 48.5		
10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.				BLOCK NO.	
OCS Y-2280		Posey		6764		OCS Y-2280				6764	
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					N/A				N/A	N/A	N/A
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS Y-2280										

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY
Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

None of the following have occurred:

- Wireline logs (Report when acquired)
- Wireline Directionals (Report when acquired)
- Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
- Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
- PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)

Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

<input type="checkbox"/> Kick Occurrence	<input type="checkbox"/> Well Control Equipment Failure
<input type="checkbox"/> Shallow Water Flow	<input type="checkbox"/> H ₂ S Encounter
<input type="checkbox"/> Weather and Oceanographic Conditions	<input type="checkbox"/> New Technology Failure
<input type="checkbox"/> General Rig Equipment Failure	<input type="checkbox"/> Stuck Pipe
<input type="checkbox"/> Lost Returns	<input type="checkbox"/> Wellbore Integrity Failure
<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other

Public Information

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Public Information

U.S. Department of the Interior
 Bureau of Safety and Environmental
 Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
 OMB Approval Expires 10/31/2014

WELL ACTIVITY REPORT

RECEIVED

BEGINNING DATE: 10/05/2012 **ENDING DATE:** 10/05/2012

OCT 09 2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

CORRECTION CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT

GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-171-0001300					2. OPERATOR NAME Shell Offshore, Inc						
3. WELL NAME <small>OCS-Y 1805 #001 (Sivulliq N)</small>		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS Shawn Gelsinger/713.594.8531					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Shell Kulluk							8. WATER DEPTH (surveyed) (ft) 106		9. ELEVATION AT KB (Surveyed) (ft) 68		
10. CURRENT WELLBORE INFORMATION											
SURFACE					BOTTOM						
LEASE NO.	AREA NAME		BLOCK NO.		LEASE NO.				BLOCK NO.		
OCS-Y 1805	Flaxman Island		6658		OCS-Y 1805				6658		
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					n/a				n/a	n/a	n/a
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS-Y 1805										

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
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- I PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)

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Please check as many events from the list below:

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<input type="checkbox"/> General Rig Equipment Failure	<input type="checkbox"/> Stuck Pipe
<input type="checkbox"/> Lost Returns	<input type="checkbox"/> Wellbore Integrity Failure
<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Tankersley, Yolanda J

From: Howell, Randy
Sent: Saturday, October 06, 2012 8:15 AM
To: Fesmire, Mark E; Monkeliën, Kyle
Subject: Kulluk

Drilled pilot hole to TD

Randy

From: [Shank, Michael L](#)
To: [Fesmire, Mark E](#); [Monkelien, Kyle](#); [Crumrine, Kathleen](#); [Walker, Jeffrey](#); [Howell, Randy](#)
Subject: Daily Report
Date: Saturday, October 06, 2012 9:35:07 AM

Daily Report
10/5/2012

- Finished drilling MLC
- Began pulling up MLCB and riser, and dismantling it

Next 24 hours: Continue rigging down MLC setup; preparing hole and equipment for the next stage.

Mark: I usually wait until after Shell's morning conference call before writing my report which is at 7am on weekdays and 9am on weekends. If we need them earlier, I can write it for that time. -Mike

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Kulluk **INSPECTION DATE** 10-6-12

INSPECTORS NAME Randy Howell

MODIFIED August 2012

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	1		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	1		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	1		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	1		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	1		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	1		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	1		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	1		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C	10		
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C	10		
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			10
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C	10		
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C	3		7
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	1		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	1		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W			1
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	1		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	1		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	1		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	1		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	1		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	1		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	1		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	1		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C	1		
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C	1		

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C	1		
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C	1		
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W	1		
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C	1		
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	1		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S	1		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	1		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	1		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	1		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	1		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	1		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	1		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S	1		
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			1
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			1
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			1
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W			1
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			1
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W			0
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			0
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			0
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			0

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			0
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			0
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			0
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.421(c)	W/S			0
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.423(a)	W/S			0
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			0
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			0
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			0
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			0
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			0
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			0
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			0
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			0
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			0
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			0
D-174	For the final casing string , did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			0
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			0
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			0
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			0
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			0
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			0
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			0

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			0
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			0
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			0
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			0
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			0
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			0
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			0
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			0
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			0
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S	1		
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			0
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			0
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S	1		
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S	1		
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S	2		
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W	2		
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			0
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			0
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			0
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			0
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			0
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			0
	SUBSEA BOP SYSTEMS				
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			0
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			0
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			0
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			0
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			0
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			0
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			0

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			0
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			0
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			0
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			0
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			0
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			0
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			0
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			0
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			0
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			0
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			0
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			0
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			0
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			0
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			0
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			0
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			0
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			0
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			0
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			0
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			0
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			0
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			0
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			0
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			0
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			0

<u>INC#</u>	<u>WELL-CONTROL DRILLS</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W	2		
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	2		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W	2		
	<u>DIVERTER SYSTEMS</u>				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			0
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			0
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, actuation-tested and the vent lines flow tested when installed? 30 CFR 250.433	W			0
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			0
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			0
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			0
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			0
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			0
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			0
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			0
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			0
D-314	Is the control station used during the diverter test or actuation identified? 30 CFR 250.434(c)	W			0
	<u>SURFACE DIVERTER SYSTEM</u>				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			0
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			0
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			0
D-322	Is the spool outlet and diverter line nominal diameter at least 10 inches for surface wellhead configurations and at least 12 inches for floating drilling operations? 30 CFR 250.431(a)	S			0
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			0
D-326	Is diverter sealing elements and diverter valves pressure tested to a minimum of 200 psi when nipped up on conductor casing, with no more than 7 days elapsed time between subsequent tests? 30 CFR 250.433(a)	W/S			0
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for surface diverter systems? 30 CFR 250.433(a), 250.433(c)	W			0
D-334	Is vessel heading maintained to allow for downwind diversion on dynamically-positions drill ships? 30 CFR 250.432(d)	S			0
	<u>DRILLING FLUID PROGRAM</u>				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W			1
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level decreases the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a lower decrease in hydrostatic pressure? 30 CFR 250.456(c)	W			0
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			0

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			0
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W			0
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S			0
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			0
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			0
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			0
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S			0
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S			0
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S			0
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	1		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	1		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	1		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			0
DRILLING FLUID HANDLING AREAS					
D-421	All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's: If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of 1 percent or more of combustible gas by volume? 30 CFR 250.459(a)(2)	S	1		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	1		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	1		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	1		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	1		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	1		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S	1		
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	1		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	1		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W	1		

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	1		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	1		
	<u>APPLICATION FOR PERMIT TO DRILL</u>				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S	1		
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S	1		
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	1		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			0
	<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			0
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			0
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			0
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			0
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			0
	<u>SUBSEA BOP SYSTEMS</u>				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			0
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			0
D-602	If Operator Activated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			0
	<u>STUMP TEST</u>				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			0
	<u>INITIAL INSTALLATION TEST</u>				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			0
	<u>HYDROGEN SULFIDE</u>				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S			0
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S			0
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S	C			0

INC#	Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C			0
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C			0
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C			0
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W			0
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W			0
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C			0
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			0
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card ? 30 CFR 250.490(g)(2)(i, ii)	W			0
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility ? 30 CFR 250.490(k)(3)(i)	W			0
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C			0
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C			0
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S			0
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more ? 30 CFR 250.490(i)(2)(i)	W/S			0
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S			0
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S			0
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S			0
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S			0
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C			0
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C			0
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C			0
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel ? 30 CFR 250.490(k)(1)(i)	W			0
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S			0
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W			0
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S			0
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C			0
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C			0

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C			0
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C			0
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S			0
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S			0
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S			0
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W			0
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W			0
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S			0
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S			0
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S			0
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			0
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W			0
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S			0
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S			0
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			0
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S			0
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			0
H-157	Is gas containing H2S not used for instrument gas, and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S			0
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			0
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			0
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			0
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			0
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			0
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			0
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			0
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			0

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			0
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S			0
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W			0
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W			0
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W			0
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W			0
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S			0
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months? 30 CFR 250.490(j)(11)(iv)	W/S			0
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W			0
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			0
H-179	When drilling, are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			0
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S			0

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor	<u>10-3-2012</u>	<u>10-3-2012</u>	<u>20 low, 40 hi</u>
Shale Shaker area			
Mud Pit Room			
Other locations	<u>9-26-2010</u>	<u>9-26-2012</u>	<u>20 low, 40 hi</u>

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Finish drilling 8.5 pilot hole

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer INSPECTION DATE 10/6/2012

INSPECTORS NAME Michael Shank

<u>SINC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	X		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	X		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	x		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	X		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	X		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	X		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	X		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	X		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C	x		
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C	x		
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C	x		
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C	x		
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C	x		
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	X		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	X		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	X		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	X		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	X		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	X		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	X		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	X		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	X		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	X		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	X		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C			X
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C			X

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C			X
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C			X
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W			X
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			X
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	x		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S	x		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	X		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	X		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	X		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	X		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	X		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	X		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S	x		
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S	x		
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			X
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			X
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W	X		
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			X
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W			X
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			X
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			X
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			X

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W	X		
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			X
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			X
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			X
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			X
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			X
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			X
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			X
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			X
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			X
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			X
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			X
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			X
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			X
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			X
D-174	For the final casing string , did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			X
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			X
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			X
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			X
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			X
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			X
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			X

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			X
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			X
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			X
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			X
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			X
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			X
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			X
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			X
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			X
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			X
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			X
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			X
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			X
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			X
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S			X
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			X
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			X
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			X
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			X
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			X
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			X
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			X
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			X
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			X
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			X
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S	X		
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			X
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			X
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			X

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			X
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			X
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			X
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			X
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			X
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			X
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			X
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			X
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			X
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			X
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			X
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			X
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			X
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			X
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			X
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			X
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			X
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			X
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			X
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			X
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			X
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			X
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			X
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			X
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			X
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			X

INC#	WELL-CONTROL DRILLS	CODE	YES	NO	N/A
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			X
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	X		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			X
	DIVERTER SYSTEMS				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			X
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			X
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, <u>actuation-tested</u> and the vent lines flow tested when installed? 30 CFR 250.433	W			X
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			X
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			X
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			X
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			X
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			X
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			X
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			X
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			X
D-314	Is the control station used during the diverter test or actuation <u>identified</u> ? 30 CFR 250.434(c)	W			X
	SURFACE DIVERTER SYSTEM				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			X
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			X
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			X
D-322	Is the spool outlet and diverter line nominal diameter at <u>least 10 inches</u> for surface wellhead configurations and at <u>least 12 inches for floating drilling operations</u> ? 30 CFR 250.431(a)	S			X
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			X
D-326	Is diverter sealing elements and diverter valves pressure tested to a <u>minimum of 200 psi</u> when nipped up on conductor casing, with no more than <u>7 days elapsed time</u> between subsequent tests? 30 CFR 250.433(a)	W/S			X
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, <u>conducted at least once every 24 hour period alternating between control stations for surface diverter systems</u> ? 30 CFR 250.433(a), 250.433(c)	W			X
D-334	Is vessel heading maintained to allow for downwind diversion on <u>dynamically-positions drill ships</u> ? 30 CFR 250.432(d)	S			X
	DRILLING FLUID PROGRAM				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation <u>was not</u> necessary? 30 CFR 250.456(a)	W	x		
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level <u>decreases the hydrostatic pressure by 75 psi</u> , or <u>every 5 stands of drill pipe</u> , whichever gives a <u>lower decrease in hydrostatic pressure</u> ? 30 CFR 250.456(c)	W			X
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			X

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			X
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	X		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	X		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			X
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			X
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			X
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	X		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	X		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	3		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	X		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	X		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			X
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	X		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	X		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	X		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	X		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	X5		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	X		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			X
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	X		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	12		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			X

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	X		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	X		
	<u>APPLICATION FOR PERMIT TO DRILL</u>				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S	X		
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S	X		
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	X		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			X
	<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			X
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			X
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			X
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			X
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			X
	<u>SUBSEA BOP SYSTEMS</u>				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			X
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			X
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			X
	<u>STUMP TEST</u>				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			X
	<u>INITIAL INSTALLATION TEST</u>				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			X
	<u>HYDROGEN SULFIDE</u>				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	X		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	X		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	X		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	X		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	X		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	X		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	X		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W	X		
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	X		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			X
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card? 30 CFR 250.490(g)(2)(i, ii)	W	X		
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W	X		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	X		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C	X		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			X
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	X		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	X		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	X		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	X		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	X		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	X		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	X		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	X		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C	X		
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C	X		

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C	X		
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C	X		
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S	X		
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	X		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	X		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	X		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	X		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	X		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	X		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W	X		
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	X		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S	X		
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			X
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	X		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			X
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S	X		
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			X
H-160	When conducting coring operations , is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			X
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			X
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			X
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			X
H-164	During stripping operations , is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			X
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			X
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			X

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			X
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S	X		
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W	X		
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W	X		
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W	X		
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W	X		
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S	X		
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months ? 30 CFR 250.490(j)(11)(iv)	W/S	X		
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W	X		
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			X
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			X
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S	X		

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Public Information

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
OMB Approval Expires 10/31/2014

RECEIVED

OCT 09 2012

WELL ACTIVITY REPORT

BEGINNING DATE: 10/06/2012 ENDING DATE: 10/07/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION
Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

CORRECTION CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT

GENERAL INFORMATION										
1. API WELL NO. (10 digits) 55-352-0000200					2. OPERATOR NAME Shell Gulf of Mexico Inc					
3. WELL NAME Posey 6764 OCS-Y 2280 001		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com				
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer					8. WATER DEPTH (surveyed) (ft) 150		9. ELEVATION AT KB (Surveyed) (ft) 48.5			
10. CURRENT WELLBORE INFORMATION										
SURFACE					BOTTOM					
LEASE NO.	AREA NAME	BLOCK NO.			LEASE NO.	BLOCK NO.				
OCS Y-2280	Posey	6764			OCS Y-2280	6764				
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE
										LOW
					N/A				N/A	N/A N/A
11. WELLBORE HISTORICAL INFORMATION										
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD				
	OCS Y-2280									

Public Information

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Public Information

U.S. Department of the Interior
 Bureau of Safety and Environmental
 Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
 OMB Approval Expires 10/31/2014

WELL ACTIVITY REPORT

RECEIVED

BEGINNING DATE: 10/06/2012 **ENDING DATE:** 10/06/2012

OCT 09 2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-171-0001300						2. OPERATOR NAME Shell Offshore, Inc					
3. WELL NAME OCS-Y 1805 #001 (Sivulliq N)		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS Shawn Gelsinger/713.594.8531					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Shell Kulluk						8. WATER DEPTH (surveyed) (ft) 106			9. ELEVATION AT KB (Surveyed) (ft) 68		
10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.			BLOCK NO.		
OCS-Y 1805		Flaxman Island		6658		OCS-Y 1805			6658		
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					n/a				n/a	n/a	n/a
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS-Y 1805										

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

From: [Shank, Michael L](#)
To: [Fesmire, Mark E](#); [Monkelien, Kyle](#); [Crumrine, Kathleen](#); [Walker, Jeffrey](#); [Howell, Randy](#)
Subject: Daily Report
Date: Sunday, October 07, 2012 9:32:26 AM

Daily Report
10/6/2012

-Continue dismantling MLCB.

-Cleaning out MLCB while it is hanging in the moonpool (EPA granted approval to discharge mud and water only while it is in the moonpool).

-One of the scuppers was opened last evening allowing some deck water to drain. Minor discoloration of the ocean occurred. No sheen was observed and a sheen test is being conducted of the water. Shell Regulatory Affairs was notified to pass on the notification to EPA/BSEE/FWS/etc.

Next 24 Hours: Finish cleaning out bit as much as they can then moving it to its storage location. Temperatures forecasted to drop below 0 degrees C tomorrow, so they are laying out parts and casing now so that they can use the drawworks to lift the casing when it comes time to run it (due to the derating of the deck cranes).

Tankersley, Yolanda J

From: Howell, Randy
Sent: Sunday, October 07, 2012 10:15 AM
To: Fesmire, Mark E; Monkeliën, Kyle; Miller, Chet; Shank, Michael L; Crumrine, Kathleen
Subject: Kulluk

TD well yesterday morning

Flow check well w/ROV and maintain surveillance of the well w/ROV

Lay Down pilot hole BHA

9 pm start to pick up the hole opening BHA, and notice that there was a broken part on the top drive

As of this morning the broken part is fixed, and starting to but top drive back together.

Randy



EPA Inspection Form for Alaska
Outer Continental Shelf Oil and Gas Facilities
NPDES General Permit No. AKG280000
Location: Beaufort Sea 2012
Permittee: Shell

Permittee Representative	Eric Whatley	Inspector Name	Miller, Chet
Inspection Date	1-13-13	Signature	
Insp. Time (Start/End)	10-7-12 10-13-12	Well Name	Sivulliq
Lease No.		Block No.	OCS-Y-1805

Vessel (Circle One) *Kulluk* *Noble Discoverer*

Discharge No. and Description	Comment (✓)	Yes	No	N/A
002 – Deck Drainage				
Total Volume (Monthly estimated)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Free Oil – No Discharge (Static Sheen Test; once per discharge event)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Total Aqueous Hydrocarbons (Once per discharge event)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Total Aromatic Hydrocarbons (Once per discharge event)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Contaminated drainage is processed through oil-water separator before discharge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
005 – Desalination Unit Wastes				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Total Volume (Monthly estimated)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH (6.5-8.5; monthly)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chemical inventory of quantities and rates added	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
006 – Blowout Preventer Fluid				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
008 – Fire Control System Test Water (Kulluk only)				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chemical/Biocides inventory of type and quantity added	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
009 – Non-contact Cooling Water				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Total Volume (Monthly estimated)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH (6.5-8.5; monthly)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chemical/Biocides inventory of type and quantity added	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
012 – Excess Cement Slurry				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
013 – Mud, Cuttings, Cement at Seafloor				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

BSEE DRILLING PING LIST INSPECTION FORM FOR SUBSEA

RIG NAME Kulluk **INSPECTION DATE** 10-7-12

INSPECTORS NAME Randy Howell

MODIFIED August 2012

<u>QINC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	1		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	1		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	1		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	1		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	1		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	1		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	1		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	1		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C	10		
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C	10		
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			10
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C	10		
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C	3		7
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	1		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	1		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W			1
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	1		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	1		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	1		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	1		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	1		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	1		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	1		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	1		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C	1		
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C	1		

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C	1		
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C	1		
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W	1		
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C	1		
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	1		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S	1		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	1		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	1		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	1		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	1		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	1		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	1		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S	1		
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			1
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			1
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			1
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W			1
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			1
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W			0
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			0
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			0
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			0

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			0
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			0
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			0
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			0
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			0
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			0
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			0
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			0
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			0
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			0
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			0
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			0
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			0
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			0
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			0
D-174	For the final casing string, did the operator install Dual Mechanical Barriers in addition to cement, to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			0
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			0
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			0
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			0
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			0
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			0
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			0

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			0
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			0
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			0
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			0
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			0
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			0
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			0
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			0
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			0
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S	1		
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			0
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			0
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S	1		
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S	1		
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S	2		
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W	2		
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			0
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			0
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			0
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			0
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			0
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			0
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			0
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			0
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			0
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			0
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			0
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			0
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			0

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			0
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			0
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			0
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			0
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			0
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			0
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			0
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			0
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			0
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			0
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			0
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			0
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers <u>recorded</u> in the driller's report? 30 CFR 250.450	W			0
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			0
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			0
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			0
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			0
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			0
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			0
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			0
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			0
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			0
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			0
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			0
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			0
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			0

INC#	WELL-CONTROL DRILLS	CODE	YES	NO	N/A
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W	2		
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	2		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W	2		
	DIVERTER SYSTEMS				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			0
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			0
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, actuation-tested and the vent lines flow tested when installed? 30 CFR 250.433	W			0
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			0
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			0
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			0
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			0
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			0
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			0
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			0
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			0
D-314	Is the control station used during the diverter test or actuation identified? 30 CFR 250.434(c)	W			0
	SURFACE DIVERTER SYSTEM				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			0
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			0
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			0
D-322	Is the spool outlet and diverter line nominal diameter at least 10 inches for surface wellhead configurations and at least 12 inches for floating drilling operations? 30 CFR 250.431(a)	S			0
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			0
D-326	Is diverter sealing elements and diverter valves pressure tested to a minimum of 200 psi when nipped up on conductor casing, with no more than 7 days elapsed time between subsequent tests? 30 CFR 250.433(a)	W/S			0
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for surface diverter systems? 30 CFR 250.433(a), 250.433(c)	W			0
D-334	Is vessel heading maintained to allow for downwind diversion on dynamically-positions drill ships? 30 CFR 250.432(d)	S			
	DRILLING FLUID PROGRAM				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W	1		
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level decreases the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a lower decrease in hydrostatic pressure? 30 CFR 250.456(c)	W			0
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			0

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			0
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W			0
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S			0
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			0
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S	1		
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W	1		
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	1		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S			0
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S			0
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	1		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	1		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	1		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			0
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	1		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	1		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	1		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	1		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	1		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	1		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S	1		
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	1		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	1		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			0

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	1		0
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	1		0
<u>APPLICATION FOR PERMIT TO DRILL</u>					
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S	1		
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S	1		
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	1		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			0
<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>					
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			0
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			0
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			0
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			0
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			
<u>SUBSEA BOP SYSTEMS</u>					
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			0
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			0
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			0
<u>STUMP TEST</u>					
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			0
<u>INITIAL INSTALLATION TEST</u>					
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			0
<u>HYDROGEN SULFIDE</u>					
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S			0
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S			0
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C			0

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C			0
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C			0
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C			0
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W			0
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W			0
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C			0
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			0
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card? 30 CFR 250.490(g)(2)(i, ii)	W			0
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W			0
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C			0
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C			0
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S			0
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			0
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S			0
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S			0
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S			0
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S			0
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C			0
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C			0
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C			0
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W			0
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S			0
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W			0
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S			0
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C			0
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C			0

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C			0
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C			0
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S			0
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S			0
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S			0
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W			0
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W			0
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S			0
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S			0
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S			0
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			0
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W			0
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S			0
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S			0
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			0
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S			0
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			0
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S			0
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			0
H-160	When conducting coring operations , is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			0
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			0
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			0
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			0
H-164	During stripping operations , is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			0
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			0
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			0

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			0
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S			0
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W			0
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W			0
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W			0
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W			0
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S			0
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months ? 30 CFR 250.490(j)(11)(iv)	W/S			0
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W			0
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			0
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			0
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S			0

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor	<u>10-3-2012</u>	<u>10-3-2012</u>	<u>20 low, 40 hi</u>
Shale Shaker area			
Mud Pit Room			
Other locations	<u>9-26-2010</u>	<u>9-26-2012</u>	<u>20 low, 40 hi</u>

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

TD 8.5" pilot hole

Work on torque arrester

0700 on 10-7-2012 torque arrester repaired

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer INSPECTION DATE 10/7/2012

INSPECTORS NAME Michael Shank

<u>SINC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	X		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	X		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	x		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	X		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	X		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	X		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	X		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	X		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C	x		
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C	x		
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C	x		
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C	x		
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C	x		
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	X		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	X		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	X		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	X		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	X		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	X		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	X		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	X		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	X		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	X		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	X		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C			X
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C			X

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C			X
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C			X
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W			X
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			X
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	x		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S	x		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	X		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	X		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	X		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	X		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	X		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	X		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S	x		
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S	x		
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			X
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			X
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W	X		
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			X
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W			X
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			X
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			X
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			X

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W	X		
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			X
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			X
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			X
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			X
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			X
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			X
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			X
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			X
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			X
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			X
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			X
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			X
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			X
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			X
D-174	For the final casing string , did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			X
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			X
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			X
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			X
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			X
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			X
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			X

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			X
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			X
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			X
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			X
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			X
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			X
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			X
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			X
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			X
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			X
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			X
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			X
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			X
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			X
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S			X
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			X
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			X
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			X
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			X
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			X
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			X
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			X
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			X
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			X
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			X
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S	X		
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			X
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			X
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			X

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			X
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			X
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			X
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			X
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			X
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			X
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			X
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			X
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			X
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			X
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			X
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			X
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			X
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			X
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			X
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			X
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			X
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			X
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			X
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			X
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			X
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			X
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			X
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			X
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			X
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			X

INC#	WELL-CONTROL DRILLS	CODE	YES	NO	N/A
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			X
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	X		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			X
	DIVERTER SYSTEMS				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			X
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			X
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, actuation-tested and the vent lines flow tested when installed? 30 CFR 250.433	W			X
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			X
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			X
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			X
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			X
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			X
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			X
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			X
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			X
D-314	Is the control station used during the diverter test or actuation identified? 30 CFR 250.434(c)	W			X
	SURFACE DIVERTER SYSTEM				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			X
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			X
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			X
D-322	Is the spool outlet and diverter line nominal diameter at least 10 inches for surface wellhead configurations and at least 12 inches for floating drilling operations? 30 CFR 250.431(a)	S			X
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			X
D-326	Is diverter sealing elements and diverter valves pressure tested to a minimum of 200 psi when nipped up on conductor casing, with no more than 7 days elapsed time between subsequent tests? 30 CFR 250.433(a)	W/S			X
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for surface diverter systems? 30 CFR 250.433(a), 250.433(c)	W			X
D-334	Is vessel heading maintained to allow for downwind diversion on dynamically-positions drill ships? 30 CFR 250.432(d)	S			X
	DRILLING FLUID PROGRAM				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W	x		
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level decreases the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a lower decrease in hydrostatic pressure? 30 CFR 250.456(c)	W			X
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			X

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			X
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	X		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	X		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			X
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			X
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			X
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	X		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	X		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	3		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	X		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	X		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			X
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	X		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	X		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	X		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	X		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	X5		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	X		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			X
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	X		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	12		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			X

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	X		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	X		
<u>APPLICATION FOR PERMIT TO DRILL</u>					
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S	X		
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S	X		
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	X		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			X
<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>					
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			X
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			X
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			X
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			X
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			X
<u>SUBSEA BOP SYSTEMS</u>					
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			X
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			X
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			X
<u>STUMP TEST</u>					
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			X
<u>INITIAL INSTALLATION TEST</u>					
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			X
<u>HYDROGEN SULFIDE</u>					
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	X		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	X		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	X		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	X		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	X		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	X		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	X		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W	X		
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	X		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			X
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card? 30 CFR 250.490(g)(2)(i, ii)	W	X		
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W	X		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	X		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C	X		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			X
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	X		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	X		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	X		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	X		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	X		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	X		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	X		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	X		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C	X		
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C	X		

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C	X		
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C	X		
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S	X		
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	X		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	X		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	X		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	X		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	X		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	X		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W	X		
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	X		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S	X		
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			X
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	X		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			X
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S	X		
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			X
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			X
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			X
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			X
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			X
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			X
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			X
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			X

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			X
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S	X		
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W	X		
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W	X		
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W	X		
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W	X		
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S	X		
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months? 30 CFR 250.490(j)(11)(iv)	W/S	X		
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W	X		
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			X
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			X
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S	X		

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Public Information

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
OMB Approval Expires 10/31/2014

WELL ACTIVITY REPORT

BEGINNING DATE: 10/07/2012 ENDING DATE: 10/08/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

RECEIVED

OCT 09 2012

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

CORRECTION CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT

GENERAL INFORMATION

1. API WELL NO. (10 digits) 55-352-0000200		2. OPERATOR NAME Shell Gulf of Mexico Inc	
3. WELL NAME Posey 6764 OCS-Y 2280 001	4. SIDETRACK NO. 00	5. BYPASS NO. 00	6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer		8. WATER DEPTH (surveyed) (ft) 150	9. ELEVATION AT KB (Surveyed) (ft) 48.5

10. CURRENT WELLBORE INFORMATION

SURFACE					BOTTOM						
LEASE NO.	AREA NAME	BLOCK NO.		LEASE NO.	BLOCK NO.						
OCS Y-2280	Posey	6764		OCS Y-2280	6764						
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
											LOW
					N/A				N/A	N/A	N/A

11. WELLBORE HISTORICAL INFORMATION

WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD
	OCS Y-2280					

Public Information

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Public Information

U.S. Department of the Interior
 Bureau of Safety and Environmental
 Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
 OMB Approval Expires 10/31/2014

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OCT 09 2012

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

WELL ACTIVITY REPORT

BEGINNING DATE: 10/07/2012 **ENDING DATE:** 10/07/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

CORRECTION CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT

GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-171-0001300					2. OPERATOR NAME Shell Offshore, Inc						
3. WELL NAME <small>OCS-Y 1805 #001 (Siwulliq N)</small>		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS Shawn Gelsinger/713.594.8531					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Shell Kulluk					8. WATER DEPTH (surveyed) (ft) 106			9. ELEVATION AT KB (Surveyed) (ft) 68			
10. CURRENT WELLBORE INFORMATION											
SURFACE					BOTTOM						
LEASE NO.	AREA NAME		BLOCK NO.		LEASE NO.			BLOCK NO.			
OCS-Y 1805	Flaxman Island		6658		OCS-Y 1805			6658			
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					n/a				n/a	n/a	n/a
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS-Y 1805										

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Tankersley, Yolanda J

From: Howell, Randy
Sent: Monday, October 08, 2012 7:05 AM
To: Fesmire, Mark E; Monkeliën, Kyle; Shank, Michael L; Miller, Chet; Crumrine, Kathleen
Subject: KulluK

As of this morning: Finished opening the pilot hole from (b) (4), (b) (9)

Operations planned for today are to change out the (b) (4), (b) (9) in preparation of drilling the Mud Line Cellar.

Randy

From: [Shank, Michael L](#)
To: [Fesmire, Mark E](#); [Monkelien, Kyle](#); [Crumrine, Kathleen](#); [Walker, Jeffrey](#); [Howell, Randy](#)
Subject: Daily Report
Date: Monday, October 08, 2012 7:44:07 AM

Daily Report
10/7/2012

-Continued rigging up MLCB in the moon pool and clearing drill floor in preparation to move it up to its storage location.

-Wind and temperature restrictions continue to limit use of the main deck cranes delaying most operations.

-Last night, the starboard side crane was being brought into service. After being lifted out of its cradle, the brake was applied. After the brake was engaged, the boom fell ~10ft before the emergency brake stopped it. The spring cylinder and solenoid on the brake are being replaced with the spares and the crane will be inspected when we have daylight.

Next 24 Hours: Provided the weather conditions are favorable, they will open the aft catwalk and move the MLCB to its storage location. That is the current highest priority for Shell as it prevents any other operations from going forward. Movement of the casing and any other equipment will take place after the bit is moved. Crew change and VIP/media visit sometime after noon today.

From: [Shank, Michael L](#)
To: [Miller, Chet](#)
Subject: FW: Daily Report
Date: Monday, October 08, 2012 7:51:14 AM

Chet, sorry I just realized I've been forgetting to send you my reports.

-Mike

From: Shank, Michael L
Sent: Monday, October 08, 2012 7:44 AM
To: Fesmire, Mark E; Monkeliën, Kyle; Crumrine, Kathleen; Walker, Jeffrey; Howell, Randy
Subject: Daily Report

Daily Report
10/7/2012

-Continued rigging up MLCB in the moon pool and clearing drill floor in preparation to move it up to its storage location.

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EPA Inspection Form for Alaska
Outer Continental Shelf Oil and Gas Facilities
NPDES General Permit No. AKG280000
Location: Beaufort Sea 2012
Permittee: Shell

Permittee Representative	Donald Dodd	Inspector Name	Randy Howell
Inspection Date	Oct. 8, 2012	Signature	
Insp. Time (Start/End)	1130 hrs 1400 hrs	Well Name	Sivulliq
Lease No.	OCS Y 1805	Block No.	Flaxman Is. 6658

Vessel (Circle One) *Kulluk* *Noble Discoverer*

Discharge No. and Description	Comment (✓)	Yes	No	N/A
002 – Deck Drainage				
Total Volume (Monthly estimated)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Free Oil – No Discharge (Static Sheen Test; once per discharge event)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Aqueous Hydrocarbons (Once per discharge event)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Aromatic Hydrocarbons (Once per discharge event)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Contaminated drainage is processed through oil-water separator before discharge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
005 – Desalination Unit Wastes				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chemical inventory of quantities and rates added	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
006 – Blowout Preventer Fluid				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
008 – Fire Control System Test Water (Kulluk only)				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chemical/Biocides inventory of type and quantity added	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
009 – Non-contact Cooling Water				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Volume (Monthly estimated)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chemical/Biocides inventory of type and quantity added	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
012 – Excess Cement Slurry				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
013 – Mud, Cuttings, Cement at Seafloor				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Kulluk **INSPECTION DATE** 10-8-12

INSPECTORS NAME Randy Howell

MODIFIED August 2012

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	1		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	1		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	1		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	1		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	1		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	1		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	1		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	1		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C	10		
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C	10		
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			10
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C	10		
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C	3		7
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	1		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	1		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W			1
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	1		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	1		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	1		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	1		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	1		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	1		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	1		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	1		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C	1		
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C	1		

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C	1		
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C	1		
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W	1		
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C	1		
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	1		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S	1		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	1		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	1		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	1		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	1		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	1		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	1		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S	1		
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			1
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			1
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			1
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W			1
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			1
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W			0
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			0
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			0
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			0

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			0
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			0
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			0
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.421(c)	W/S			0
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.423(a)	W/S			0
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			0
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			0
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			0
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			0
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			0
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			0
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			0
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			0
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			0
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			0
D-174	For the final casing string , did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			0
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			0
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			0
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			0
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			0
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			0
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			0

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			0
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			0
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			0
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			0
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			0
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			0
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			0
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			0
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			0
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S	1		
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			0
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			0
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S	1		
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S	1		
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S	2		
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W	2		
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			0
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			0
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			0
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			0
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			0
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			0
	SUBSEA BOP SYSTEMS				
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			0
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			0
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			0
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			0
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			0
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			0
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			0

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			0
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			0
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			0
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			0
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			0
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			0
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			0
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			0
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			0
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			0
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			0
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			0
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			0
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			0
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			0
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			0
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			0
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			0
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			0
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			0
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			0
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			0
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			0
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			0
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			0
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			0

INC#	WELL-CONTROL DRILLS	CODE	YES	NO	N/A
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W	2		
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	2		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W	2		
	DIVERTER SYSTEMS				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			0
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			0
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, <u>actuation-tested</u> and the vent lines flow tested when installed? 30 CFR 250.433	W			0
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			0
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			0
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			0
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			0
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			0
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			0
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			0
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			0
D-314	Is the control station used during the diverter test or actuation <u>identified</u> ? 30 CFR 250.434(c)	W			0
	SURFACE DIVERTER SYSTEM				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			0
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			0
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			0
D-322	Is the spool outlet and diverter line nominal diameter at <u>least 10 inches</u> for surface wellhead configurations and at <u>least 12 inches for floating drilling operations</u> ? 30 CFR 250.431(a)	S			0
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			0
D-326	Is diverter sealing elements and diverter valves pressure tested to a <u>minimum of 200 psi</u> when nipped up on conductor casing, with no more than <u>7 days elapsed time</u> between subsequent tests? 30 CFR 250.433(a)	W/S			0
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, <u>conducted at least once every 24 hour period alternating between control stations for surface diverter systems</u> ? 30 CFR 250.433(a), 250.433(c)	W			0
D-334	Is vessel heading maintained to allow for downwind diversion on <u>dynamically-positions drill ships</u> ? 30 CFR 250.432(d)	S			0
	DRILLING FLUID PROGRAM				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation <u>was not</u> necessary? 30 CFR 250.456(a)	W	1		
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level <u>decreases the hydrostatic pressure by 75 psi</u> , or <u>every 5 stands of drill pipe</u> , whichever gives a <u>lower decrease in hydrostatic pressure</u> ? 30 CFR 250.456(c)	W			0
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			0

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			0
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W			0
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S			0
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			0
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S	1		
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W	1		
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S			0
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S			0
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S			0
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	1		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	1		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	1		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			0
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	1		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	1		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	1		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	1		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	1		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	1		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S	1		
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	1		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	1		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			0

INC#	SUPERVISION, SURVEILLANCE, AND TRAINING	CODE	YES	NO	N/A
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	1		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	1		
	APPLICATION FOR PERMIT TO DRILL				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S	1		
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S	1		
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	1		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			0
	BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			0
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			0
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			0
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			0
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			0
	SUBSEA BOP SYSTEMS				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			0
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			0
D-602	If Operator Activated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			0
	STUMP TEST				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			0
	INITIAL INSTALLATION TEST				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			0
	HYDROGEN SULFIDE				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S			0
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S			0
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S	C			0

INC#	Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C			0
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C			0
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C			0
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W			0
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W			0
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C			0
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			0
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card ? 30 CFR 250.490(g)(2)(i, ii)	W			0
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility ? 30 CFR 250.490(k)(3)(i)	W			0
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C			0
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use? 30 CFR 250.490(k)(3)(ii)	W/C			0
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S			0
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more ? 30 CFR 250.490(i)(2)(i)	W/S			0
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate ? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S			0
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S			0
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S			0
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S			0
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C			0
H-125	If one sensor is used to cover multiple pieces of equipment , is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C			0
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C			0
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel ? 30 CFR 250.490(k)(1)(i)	W			0
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2 ? 30 CFR 250.490(j)(13)(i, ii, v)	S			0
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W			0
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use ? 30 CFR 250.490(j)(13)(iv)	C/S			0
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member ? 30 CFR 250.490(j)(13)(vii)	C			0
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan ? 30 CFR 250.490(j)(13)(viii)	C			0

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C			0
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C			0
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S			0
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S			0
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S			0
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W			0
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W			0
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S			0
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S			0
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S			0
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			0
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W			0
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S			0
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S			0
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			0
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S			0
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			0
H-157	Is gas containing H2S not used for instrument gas, and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S			0
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			0
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			0
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			0
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			0
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			0
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			0
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			0
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			0

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			0
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S			0
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W			0
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W			0
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W			0
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W			0
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S			0
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months? 30 CFR 250.490(j)(11)(iv)	W/S			0
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W			0
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			0
H-179	When drilling, are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			0
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S			0

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor	<u>10-3-2012</u>	<u>10-3-2012</u>	<u>20 low, 40 hi</u>
Shale Shaker area			
Mud Pit Room			
Other locations	<u>9-26-2010</u>	<u>9-26-2012</u>	<u>20 low, 40 hi</u>

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Finished opening 8.5 pilot hole to 17.5"

Rigging up to open 17.5" to 36" at 6:30 this morning 10-8-2012

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer INSPECTION DATE 10/8/2012

INSPECTORS NAME Michael Shank

<u>SINC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	X		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	X		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	x		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	X		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	X		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	X		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	X		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	X		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C	x		
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C	x		
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C	x		
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C	x		
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C	x		
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	X		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	X		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	X		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	X		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	X		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	X		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	X		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	X		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	X		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	X		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	X		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C			X
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C			X

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C			X
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C			X
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W			X
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			X
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	x		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S	x		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	X		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	X		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	X		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	X		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	X		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	X		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S	x		
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S	x		
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			X
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			X
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W	X		
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			X
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W			X
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			X
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			X
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			X

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W	X		
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			X
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			X
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			X
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			X
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			X
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			X
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			X
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			X
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			X
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			X
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			X
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			X
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			X
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			X
D-174	For the final casing string , did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			X
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			X
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			X
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			X
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			X
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			X
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			X

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			X
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			X
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			X
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			X
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			X
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			X
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			X
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			X
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			X
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			X
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			X
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			X
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			X
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			X
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S			X
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			X
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			X
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			X
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			X
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			X
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			X
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			X
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			X
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			X
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			X
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S	X		
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			X
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			X
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			X

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			X
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			X
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			X
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			X
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			X
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			X
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			X
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			X
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			X
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			X
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			X
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			X
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			X
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			X
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			X
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			X
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			X
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			X
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			X
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			X
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			X
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			X
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			X
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			X
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			X
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			X

INC#	WELL-CONTROL DRILLS	CODE	YES	NO	N/A
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			X
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	X		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			X
	DIVERTER SYSTEMS				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			X
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			X
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, actuation-tested and the vent lines flow tested when installed? 30 CFR 250.433	W			X
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			X
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			X
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			X
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			X
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			X
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			X
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			X
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			X
D-314	Is the control station used during the diverter test or actuation identified? 30 CFR 250.434(c)	W			X
	SURFACE DIVERTER SYSTEM				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			X
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			X
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			X
D-322	Is the spool outlet and diverter line nominal diameter at least 10 inches for surface wellhead configurations and at least 12 inches for floating drilling operations? 30 CFR 250.431(a)	S			X
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			X
D-326	Is diverter sealing elements and diverter valves pressure tested to a minimum of 200 psi when nipped up on conductor casing, with no more than 7 days elapsed time between subsequent tests? 30 CFR 250.433(a)	W/S			X
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for surface diverter systems? 30 CFR 250.433(a), 250.433(c)	W			X
D-334	Is vessel heading maintained to allow for downwind diversion on dynamically-positions drill ships? 30 CFR 250.432(d)	S			X
	DRILLING FLUID PROGRAM				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W	x		
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level decreases the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a lower decrease in hydrostatic pressure? 30 CFR 250.456(c)	W			X
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			X

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			X
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	X		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	X		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			X
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			X
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			X
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	X		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	X		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	3		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	X		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	X		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			X
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	X		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	X		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	X		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	X		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	X5		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	X		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			X
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	X		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	12		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			X

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	X		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	X		
	<u>APPLICATION FOR PERMIT TO DRILL</u>				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S	X		
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S	X		
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	X		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			X
	<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			X
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			X
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			X
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			X
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			X
	<u>SUBSEA BOP SYSTEMS</u>				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			X
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			X
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			X
	<u>STUMP TEST</u>				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			X
	<u>INITIAL INSTALLATION TEST</u>				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			X
	<u>HYDROGEN SULFIDE</u>				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	X		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	X		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	X		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	X		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	X		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	X		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	X		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W	X		
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	X		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			X
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card? 30 CFR 250.490(g)(2)(i, ii)	W	X		
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W	X		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	X		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C	X		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			X
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	X		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	X		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	X		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	X		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	X		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	X		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	X		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	X		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C	X		
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C	X		

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C	X		
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C	X		
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S	X		
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	X		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	X		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	X		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	X		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	X		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	X		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W	X		
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	X		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S	X		
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			X
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	X		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			X
H-157	Is gas containing H2S not used for instrument gas, and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S	X		
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			X
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			X
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			X
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			X
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			X
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			X
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			X
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			X

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			X
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S	X		
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W	X		
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W	X		
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W	X		
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W	X		
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S	X		
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months? 30 CFR 250.490(j)(11)(iv)	W/S	X		
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W	X		
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			X
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			X
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S	X		

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Public Information

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018

OMB Approval Expires 10/31/2014

RECEIVED

OCT 11 2012

WELL ACTIVITY REPORT

BEGINNING DATE: 10/08/2012 ENDING DATE: 10/09/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-352-0000200						2. OPERATOR NAME Shell Gulf of Mexico Inc					
3. WELL NAME Posey 6764 OCS-Y 2280 001		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer						8. WATER DEPTH (surveyed) (ft) 150			9. ELEVATION AT KB (Surveyed) (ft) 48.5		
10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.			BLOCK NO.		
OCS Y-2280		Posey		6764		OCS Y-2280			6764		
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					N/A				N/A	N/A	N/A
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS Y-2280										

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Public Information

U.S. Department of the Interior
 Bureau of Safety and Environmental
 Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
 OMB Approval Expires 10/31/2014

WELL ACTIVITY REPORT

BEGINNING DATE: 10/08/2012 ENDING DATE: 10/08/2012

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RECEIVED

OCT 10 2012

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-171-0001300					2. OPERATOR NAME Shell Offshore, Inc						
3. WELL NAME OCS-Y 1805 #001 (Sivulliq N)		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS Shawn Gelsinger/713.594.8531/shawn.gelsinger@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Shell Kulluk					8. WATER DEPTH (surveyed) (ft) 106		9. ELEVATION AT KB (Surveyed) (ft) 68				
10. CURRENT WELLBORE INFORMATION											
SURFACE					BOTTOM						
LEASE NO.	AREA NAME		BLOCK NO.		LEASE NO.			BLOCK NO.			
OCS-Y 1805	Flaxman Island		6658		OCS-Y 1805			6658			
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					n/a				n/a	n/a	n/a
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS-Y 1805										

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY									
Provide a daily summary of well activities.									

14. Open Hole Log Data									
<p>BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:</p> <p><input type="checkbox"/> None of the following have occurred:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Wireline logs (Report when acquired) <input type="checkbox"/> Wireline Directionals (Report when acquired) <input type="checkbox"/> Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired) <input type="checkbox"/> Completed MWD/LWD logs and Mudlogs - (Report when they are completed.) <input type="checkbox"/> PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole) <p><input type="checkbox"/> Any of the above have occurred; if checked then submit Form BSEE-133S.</p>									

15. Significant Well Events									
Please check as many events from the list below:									
<input type="checkbox"/>	Kick Occurrence	<input type="checkbox"/>	Well Control Equipment Failure						
<input type="checkbox"/>	Shallow Water Flow	<input type="checkbox"/>	H ₂ S Encounter						
<input type="checkbox"/>	Weather and Oceanographic Conditions	<input type="checkbox"/>	New Technology Failure						
<input type="checkbox"/>	General Rig Equipment Failure	<input type="checkbox"/>	Stuck Pipe						
<input type="checkbox"/>	Lost Returns	<input type="checkbox"/>	Wellbore Integrity Failure						
<input type="checkbox"/>	Station Keeping Failure	<input type="checkbox"/>	Other						

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Shank, Michael L

From: Shank, Michael L
Sent: Tuesday, October 09, 2012 6:36 AM
To: Howell, Randy
Subject: RE: Disco,

Yeah, I did one during my second week in September and again last Wednesday. I figure I'll do 2 more on each Wednesday that I'm here.

-Mike

From: Howell, Randy
Sent: Monday, October 08, 2012 5:26 PM
To: Shank, Michael L
Subject: Disco,

Hi Mike, have you done any of the EPA inspections?
I know a lot of it is N/A but if you have any question give me a call I'm at (b) (6), that will ring in my room.
Hope all is well at the Disco for you

Randy

Tankersley, Yolanda J

From: Howell, Randy
Sent: Tuesday, October 09, 2012 7:42 AM
To: Fesmire, Mark E; Shank, Michael L; Monkelien, Kyle; Miller, Chet; Crumrine, Kathleen; Walker, Jeffrey
Subject: Kulluk

Finished opening hole up (b) (4), (b) (9)
Lay down all hole opening equipment,
Arranging drill floor to accommodate MLC bit equipment, at this time.

Weather is not good, winds out of the North West at 30 kts, sea state 9'. With blowing snow

Another beautiful day in the neighborhood
Randy

From: [Shank, Michael L](#)
To: [Fesmire, Mark E](#); [Monkelien, Kyle](#); [Miller, Chet](#); [Crumrine, Kathleen](#); [Walker, Jeffrey](#); [Howell, Randy](#)
Subject: Daily Report
Date: Tuesday, October 09, 2012 8:00:39 AM

Daily Report
10/8/2012

-Moved MLCB from the moon pool to the elevator.

-Starboard crane has been inspected and is back in service with additional safety procedures to prevent a repeat incident.

Next 24 Hours: Jack down the elevator and secure the MLCB; replace the drill floor; move casing to the catwalk; open the 36" hole to prepare to run and cement casing; clean out the MLC of debris.

Media visit yesterday was cancelled in favor of regular crew change. They will be making their visit today.

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Kulluk **INSPECTION DATE** 10-9-12

INSPECTORS NAME Randy Howell

MODIFIED August 2012

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	1		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	1		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	1		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	1		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	1		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	1		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	1		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	1		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C	10		
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C	10		
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			10
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C	10		
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C	3		7
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	1		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	1		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W			1
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	1		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	1		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	1		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	1		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	1		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	1		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	1		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	1		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C	1		
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C	1		

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C	1		
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C	1		
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W	1		
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C	1		
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	1		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S	1		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	1		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	1		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	1		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	1		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	1		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	1		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S	1		
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			1
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			1
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			1
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W			1
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			1
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W			0
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			0
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			0
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			0

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			0
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			0
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			0
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.421(c)	W/S			0
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.423(a)	W/S			0
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			0
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			0
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			0
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			0
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			0
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			0
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			0
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			0
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			0
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			0
D-174	For the final casing string, did the operator install Dual Mechanical Barriers in addition to cement, to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			0
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			0
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			0
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			0
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			0
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			0
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			0

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			0
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			0
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			0
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			0
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			0
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			0
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			0
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			0
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			0
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S	1		
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			0
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			0
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S	1		
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S	1		
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S	2		
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W	2		
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			0
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			0
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			0
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			0
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			0
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			0
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			0
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			0
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			0
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			0
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			0
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			0
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			0

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			0
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			0
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			0
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			0
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			0
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			0
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			0
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			0
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			0
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			0
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			0
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			0
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			0
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			0
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			0
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			0
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			0
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			0
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			0
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			0
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			0
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			0
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			0
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			0
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			0
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			0

INC#	WELL-CONTROL DRILLS	CODE	YES	NO	N/A
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W	2		
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	2		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W	2		
	DIVERTER SYSTEMS				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			0
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			0
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, <u>actuation-tested</u> and the vent lines flow tested when installed? 30 CFR 250.433	W			0
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			0
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			0
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			0
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			0
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			0
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			0
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			0
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			0
D-314	Is the control station used during the diverter test or actuation <u>identified</u> ? 30 CFR 250.434(c)	W			0
	SURFACE DIVERTER SYSTEM				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			0
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			0
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			0
D-322	Is the spool outlet and diverter line nominal diameter at <u>least 10 inches</u> for surface wellhead configurations and at <u>least 12 inches for floating drilling operations</u> ? 30 CFR 250.431(a)	S			0
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			0
D-326	Is diverter sealing elements and diverter valves pressure tested to a <u>minimum of 200 psi</u> when nipped up on conductor casing, with no more than <u>7 days elapsed time</u> between subsequent tests? 30 CFR 250.433(a)	W/S			0
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, <u>conducted at least once every 24 hour period alternating between control stations for surface diverter systems</u> ? 30 CFR 250.433(a), 250.433(c)	W			0
D-334	Is vessel heading maintained to allow for downwind diversion on <u>dynamically-positions drill ships</u> ? 30 CFR 250.432(d)	S			0
	DRILLING FLUID PROGRAM				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation <u>was not</u> necessary? 30 CFR 250.456(a)	W	1		
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level <u>decreases the hydrostatic pressure by 75 psi</u> , or <u>every 5 stands of drill pipe</u> , whichever gives a <u>lower decrease in hydrostatic pressure</u> ? 30 CFR 250.456(c)	W			0
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			0

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			0
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W			0
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S			0
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			0
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			0
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			0
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S			0
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S			0
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S			0
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	1		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	1		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	1		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			0
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	1		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	1		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	1		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	1		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	1		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	1		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S	1		
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	1		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	1		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			0

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	1		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	1		
	<u>APPLICATION FOR PERMIT TO DRILL</u>				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S	1		
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S	1		
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	1		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			0
	<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			0
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			0
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			0
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			0
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			0
	<u>SUBSEA BOP SYSTEMS</u>				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			0
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			0
D-602	If Operator Activated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			0
	<u>STUMP TEST</u>				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			0
	<u>INITIAL INSTALLATION TEST</u>				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			0
	<u>HYDROGEN SULFIDE</u>				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S			0
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S			0
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C			0

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C			0
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C			0
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C			0
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W			0
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W			0
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C			0
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			0
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card? 30 CFR 250.490(g)(2)(i, ii)	W			0
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W			0
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C			0
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C			0
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S			0
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			0
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S			0
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S			0
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S			0
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S			0
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C			0
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C			0
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C			0
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W			0
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S			0
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W			0
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S			0
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C			0
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C			0

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C			0
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C			0
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S			0
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S			0
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S			0
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W			0
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W			0
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S			0
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S			0
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S			0
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			0
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W			0
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S			0
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S			0
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			0
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S			0
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			0
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S			0
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			0
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			0
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			0
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			0
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			0
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			0
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			0
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			0

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			0
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S			0
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W			0
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W			0
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W			0
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W			0
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S			0
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months ? 30 CFR 250.490(j)(11)(iv)	W/S			0
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W			0
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			0
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			0
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S			0

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor	<u>10-3-2012</u>	<u>10-3-2012</u>	<u>20 low, 40 hi</u>
Shale Shaker area			
Mud Pit Room			
Other locations	<u>9-26-2010</u>	<u>9-26-2012</u>	<u>20 low, 40 hi</u>

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Finished opening hole to 36"

Rig down all hole opening equipment.

Rearranging drill floor to accommodate MLC bit equipment as of
0600 10-9-2012

Daily Report
10/9/2012

(b) (4), (b) (9)

-Visibility on the bottom is poor preventing visual inspection/observation.

Next 24 Hours: After circulating, they are spotting a pill below the casing depth then deploying the GTO unit to clean out the bottom of the MLC. Then they are going to run and cement the 30" casing.

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer INSPECTION DATE 10/9/2012

INSPECTORS NAME Michael Shank

<u>SINC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	X		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	X		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	x		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	X		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	X		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	X		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	X		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	X		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C	x		
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C	x		
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C	x		
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C	x		
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C	x		
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	X		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	X		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	X		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	X		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	X		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	X		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	X		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	X		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	X		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	X		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	X		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C			X
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C			X

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C			X
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C			X
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W			X
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			X
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	x		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S	x		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	X		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	X		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	X		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	X		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	X		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	X		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S	x		
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S	x		
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			X
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			X
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W	X		
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			X
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W			X
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			X
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			X
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			X

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W	X		
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			X
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			X
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			X
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			X
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			X
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			X
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			X
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			X
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			X
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			X
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			X
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			X
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			X
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			X
D-174	For the final casing string, did the operator install Dual Mechanical Barriers in addition to cement, to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			X
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			X
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			X
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			X
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			X
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			X
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			X

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			X
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			X
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			X
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			X
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			X
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			X
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			X
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			X
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			X
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			X
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			X
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			X
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			X
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			X
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S			X
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			X
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			X
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			X
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			X
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			X
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			X
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			X
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			X
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			X
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			X
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S	X		
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			X
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			X
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			X

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			X
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			X
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			X
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			X
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			X
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			X
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			X
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			X
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			X
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			X
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			X
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			X
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			X
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			X
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			X
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			X
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			X
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			X
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			X
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			X
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			X
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			X
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			X
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			X
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			X
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			X

<u>INC#</u>	<u>WELL-CONTROL DRILLS</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			X
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	X		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			X
	<u>DIVERTER SYSTEMS</u>				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			X
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			X
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, <u>actuation-tested</u> and the vent lines flow tested when installed? 30 CFR 250.433	W			X
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			X
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			X
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			X
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			X
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			X
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			X
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			X
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			X
D-314	Is the control station used during the diverter test or actuation <u>identified</u> ? 30 CFR 250.434(c)	W			X
	<u>SURFACE DIVERTER SYSTEM</u>				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			X
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			X
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			X
D-322	Is the spool outlet and diverter line nominal diameter at <u>least 10 inches</u> for surface wellhead configurations and at <u>least 12 inches for floating drilling operations</u> ? 30 CFR 250.431(a)	S			X
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			X
D-326	Is diverter sealing elements and diverter valves pressure tested to a <u>minimum of 200 psi</u> when nipped up on conductor casing, with no more than <u>7 days elapsed time</u> between subsequent tests? 30 CFR 250.433(a)	W/S			X
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, <u>conducted at least once every 24 hour period alternating between control stations for surface diverter systems</u> ? 30 CFR 250.433(a), 250.433(c)	W			X
D-334	Is vessel heading maintained to allow for downwind diversion on <u>dynamically-positions drill ships</u> ? 30 CFR 250.432(d)	S			X
	<u>DRILLING FLUID PROGRAM</u>				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation <u>was not</u> necessary? 30 CFR 250.456(a)	W	x		
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level <u>decreases the hydrostatic pressure by 75 psi</u> , or <u>every 5 stands of drill pipe</u> , whichever gives a <u>lower decrease in hydrostatic pressure</u> ? 30 CFR 250.456(c)	W			X
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			X

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			X
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	X		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	X		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			X
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			X
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			X
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	X		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	X		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	3		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	X		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	X		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			X
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	X		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	X		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	X		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	X		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	X5		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	X		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			X
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	X		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	12		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			X

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	X		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	X		
	<u>APPLICATION FOR PERMIT TO DRILL</u>				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S	X		
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S	X		
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	X		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			X
	<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			X
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			X
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			X
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			X
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			X
	<u>SUBSEA BOP SYSTEMS</u>				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			X
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			X
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			X
	<u>STUMP TEST</u>				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			X
	<u>INITIAL INSTALLATION TEST</u>				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			X
	<u>HYDROGEN SULFIDE</u>				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	X		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	X		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	X		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	X		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	X		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	X		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	X		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W	X		
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	X		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			X
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card? 30 CFR 250.490(g)(2)(i, ii)	W	X		
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W	X		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	X		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C	X		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			X
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	X		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	X		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	X		
H-125	If one sensor is used to cover multiple pieces of equipment , is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	X		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	X		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	X		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	X		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	X		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C	X		
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C	X		

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C	X		
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C	X		
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S	X		
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	X		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	X		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	X		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	X		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	X		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	X		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W	X		
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	X		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S	X		
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			X
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	X		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			X
H-157	Is gas containing H2S not used for instrument gas, and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S	X		
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			X
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			X
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			X
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			X
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			X
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			X
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			X
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			X

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			X
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S	X		
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W	X		
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W	X		
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W	X		
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W	X		
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S	X		
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months? 30 CFR 250.490(j)(11)(iv)	W/S	X		
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W	X		
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			X
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			X
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S	X		

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Public Information

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018

RECEIVED

OCT 11 2012

WELL ACTIVITY REPORT

BEGINNING DATE: 10/09/2012 ENDING DATE: 10/10/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-352-0000200						2. OPERATOR NAME Shell Gulf of Mexico Inc					
3. WELL NAME Posey 6764 OCS-Y 2280 001		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer						8. WATER DEPTH (surveyed) (ft) 150			9. ELEVATION AT KB (Surveyed) (ft) 48.5		
10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.				BLOCK NO.	
OCS Y-2280		Posey		6764		OCS Y-2280				6764	
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					N/A				N/A	N/A	N/A
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS Y-2280										

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY
Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

None of the following have occurred:

- Wireline logs (Report when acquired)
- Wireline Directionals (Report when acquired)
- Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
- Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
- PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)

Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

- Please check as many events from the list below:
- | | |
|---|---|
| <input type="checkbox"/> Kick Occurrence | <input type="checkbox"/> Well Control Equipment Failure |
| <input type="checkbox"/> Shallow Water Flow | <input type="checkbox"/> H ₂ S Encounter |
| <input type="checkbox"/> Weather and Oceanographic Conditions | <input type="checkbox"/> New Technology Failure |
| <input type="checkbox"/> General Rig Equipment Failure | <input type="checkbox"/> Stuck Pipe |
| <input type="checkbox"/> Lost Returns | <input type="checkbox"/> Wellbore Integrity Failure |
| <input type="checkbox"/> Station Keeping Failure | <input type="checkbox"/> Other |

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Public Information

U.S. Department of the Interior
 Bureau of Safety and Environmental
 Enforcement (BSEE)

Submit **ORIGINAL**

OMB control Number 1014-0018
 OMB Approval Expires 10/31/2014

WELL ACTIVITY REPORT

BEGINNING DATE: 10/09/2012 **ENDING DATE:** 10/09/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

RECEIVED

OCT 11 2012

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

CORRECTION CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT

GENERAL INFORMATION								
1. API WELL NO. (10 digits) 55-171-0001300				2. OPERATOR NAME Shell Offshore, Inc				
3. WELL NAME <small>OCS-Y 1805 #001 (Sivulliq N)</small>	4. SIDETRACK NO. 00	5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS Shawn Gelsinger/713.594.8531/shawn.gelsinger@shell.com				
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Shell Kulluk				8. WATER DEPTH (surveyed) (ft) 106	9. ELEVATION AT KB (Surveyed) (ft) 68			

10. CURRENT WELLBORE INFORMATION

SURFACE					BOTTOM						
LEASE NO.	AREA NAME	BLOCK NO.		LEASE NO.	BLOCK NO.						
OCS-Y 1805	Flaxman Island	6658		OCS-Y 1805	6658						
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
					n/a				n/a		LOW
										n/a	n/a

11. WELLBORE HISTORICAL INFORMATION

WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD
	OCS-Y 1805					

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

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<input type="checkbox"/> Weather and Oceanographic Conditions	<input type="checkbox"/> New Technology Failure
<input type="checkbox"/> General Rig Equipment Failure	<input type="checkbox"/> Stuck Pipe
<input type="checkbox"/> Lost Returns	<input type="checkbox"/> Wellbore Integrity Failure
<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

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Tankersley, Yolanda J

From: Howell, Randy
Sent: Wednesday, October 10, 2012 7:01 AM
To: Fesmire, Mark E; Miller, Chet; Monkelien, Kyle; Shank, Michael L; Crumrine, Kathleen
Subject: Kulluk

Morning report posted to the T drive

BSEE DRILLING PING LIST INSPECTION FORM FOR SUBSEA

RIG NAME Kulluk **INSPECTION DATE** 10-10-12

INSPECTORS NAME Randy Howell

MODIFIED August 2012

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	1		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	1		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	1		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	1		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	1		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	1		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	1		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	1		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C	10		
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C	10		
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			10
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C	10		
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C	3		7
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	1		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	1		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W			1
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	1		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	1		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	1		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	1		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	1		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	1		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	1		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	1		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C	1		
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C	1		

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C	1		
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C	1		
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W	1		
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C	1		
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	1		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S	1		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	1		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	1		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	1		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	1		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	1		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	1		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S	1		
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			1
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			1
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			1
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W			1
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			1
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W			0
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			0
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			0
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			0

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			0
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			0
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			0
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			0
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			0
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			0
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			0
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			0
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			0
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			0
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			0
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			0
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			0
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			0
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			0
D-174	For the final casing string , did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			0
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			0
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			0
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			0
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			0
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			0
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			0

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			0
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			0
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			0
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			0
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			0
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			0
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			0
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			0
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			0
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S	1		
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			0
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			0
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S	1		
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S	1		
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S	2		
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W	2		
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			0
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			0
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			0
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			0
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			0
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			0
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			0
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			0
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			0
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			0
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			0
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			0
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			0

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			0
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			0
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			0
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			0
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			0
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			0
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			0
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			0
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			0
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			0
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			0
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			0
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers <u>recorded</u> in the driller's report? 30 CFR 250.450	W			0
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			0
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			0
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			0
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			0
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			0
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			0
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			0
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			0
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			0
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			0
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			0
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			0
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			0

INC#	WELL-CONTROL DRILLS	CODE	YES	NO	N/A
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W	2		
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	2		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W	2		
	DIVERTER SYSTEMS				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			0
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			0
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, actuation-tested and the vent lines flow tested when installed? 30 CFR 250.433	W			0
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			0
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			0
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			0
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			0
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			0
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			0
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			0
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			0
D-314	Is the control station used during the diverter test or actuation identified? 30 CFR 250.434(c)	W			0
	SURFACE DIVERTER SYSTEM				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			0
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			0
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			0
D-322	Is the spool outlet and diverter line nominal diameter at least 10 inches for surface wellhead configurations and at least 12 inches for floating drilling operations? 30 CFR 250.431(a)	S			0
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			0
D-326	Is diverter sealing elements and diverter valves pressure tested to a minimum of 200 psi when nipped up on conductor casing, with no more than 7 days elapsed time between subsequent tests? 30 CFR 250.433(a)	W/S			0
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for surface diverter systems? 30 CFR 250.433(a), 250.433(c)	W			0
D-334	Is vessel heading maintained to allow for downwind diversion on dynamically-positions drill ships? 30 CFR 250.432(d)	S			0
	DRILLING FLUID PROGRAM				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W	1		
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level decreases the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a lower decrease in hydrostatic pressure? 30 CFR 250.456(c)	W			0
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			0

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			0
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W			0
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S			0
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			0
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S	1		
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W	2		
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	1		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S			0
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S			0
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	1		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	1		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	1		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			0
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	1		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	1		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	1		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	1		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	1		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	1		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S	1		
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	1		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	1		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			0

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	1		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	1		
	<u>APPLICATION FOR PERMIT TO DRILL</u>				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S	1		
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S	1		
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	1		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			0
	<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			0
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			0
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			0
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			0
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			0
	<u>SUBSEA BOP SYSTEMS</u>				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			0
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			0
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			0
	<u>STUMP TEST</u>				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			0
	<u>INITIAL INSTALLATION TEST</u>				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			0
	<u>HYDROGEN SULFIDE</u>				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S			0
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S			0
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C			0

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C			0
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C			0
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C			0
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W			0
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W			0
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C			0
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			0
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card ? 30 CFR 250.490(g)(2)(i, ii)	W			0
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility ? 30 CFR 250.490(k)(3)(i)	W			0
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C			0
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C			0
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S			0
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more ? 30 CFR 250.490(i)(2)(i)	W/S			0
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate ? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S			0
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S			0
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S			0
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S			0
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C			0
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C			0
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C			0
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel ? 30 CFR 250.490(k)(1)(i)	W			0
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S			0
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W			0
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use ? 30 CFR 250.490(j)(13)(iv)	C/S			0
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member ? 30 CFR 250.490(j)(13)(vii)	C			0
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan ? 30 CFR 250.490(j)(13)(viii)	C			0

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C			0
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C			0
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S			0
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S			0
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S			0
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W			0
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W			0
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S			0
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S			0
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S			0
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			0
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W			0
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S			0
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S			0
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			0
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S			0
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			0
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S			0
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			0
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			0
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			0
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			0
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			0
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			0
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			0
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			0

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			0
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S			0
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W			0
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W			0
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W			0
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W			0
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S			0
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months ? 30 CFR 250.490(j)(11)(iv)	W/S			0
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W			0
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			0
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			0
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S			0

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor	<u>10-3-2012</u>	<u>10-3-2012</u>	<u>20 low, 40 hi</u>
Shale Shaker area			
Mud Pit Room			
Other locations	<u>9-26-2010</u>	<u>9-26-2012</u>	<u>20 low, 40 hi</u>

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response tim

Remarks: 0000 to 2400 hrs 10/9/2012

Rigging up equipment for Mud line cellar bit run.

Operations for setting up and running MLCB is delayed due to weather and sea state

0000 to 0600 hrs 10/10/2012 working MLCB

Waiting on weather

Daily Report
10/10/2012

-Ran a wiper trip/hole opening trip on the section of the 36" section. Spotted a pill in the lower pilot hole.

-Attached the suction hose to the GTO unit and cleaned out the bottom of the MLC.

Next 24 Hours: Run another wiper trip on the 36" open hole and try to work out a couple tight spots. Spot another pill in the lower pilot hole section. Run 30" casing and cement. WOC

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer INSPECTION DATE 10/10/2012

INSPECTORS NAME Michael Shank

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	X		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	X		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	X		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	X		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	X		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	X		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	X		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	X		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C			X
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			X
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			X
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C			X
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C			X
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	X		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	X		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	X		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	X		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	X		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	X		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	X		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	X		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	X		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	X		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	X		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C	X		
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C	X		

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C	X		
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C	X		
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W	X		
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			X
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	X		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S	X		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	X		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	X		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	X		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	X		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	X		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	X		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S			X
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			X
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			X
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			X
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W	X		
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			X
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W			X
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			X
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			X
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			X

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			X
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			X
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			X
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			X
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			X
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			X
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			X
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			X
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			X
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			X
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			X
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			X
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			X
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			X
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			X
D-174	For the final casing string , did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			X
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			X
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			X
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			X
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			X
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			X
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			X

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			X
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			X
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			X
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			X
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			X
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			X
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			X
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			X
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			X
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			X
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			X
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			X
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			X
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			X
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S			X
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			X
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			X
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			X
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			X
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			X
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			X
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			X
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			X
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			X
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			X
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			X
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			X
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			X
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			X

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			X
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			X
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			X
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			X
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			X
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			X
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			X
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			X
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			X
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			X
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			X
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			X
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			X
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			X
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			X
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			X
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			X
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			X
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			X
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			X
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			X
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			X
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			X
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			X
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			X
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			X

INC#	WELL-CONTROL DRILLS	CODE	YES	NO	N/A
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			X
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	X		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			X
	DIVERTER SYSTEMS				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			X
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			X
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, actuation-tested and the vent lines flow tested when installed? 30 CFR 250.433	W			X
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			X
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			X
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			X
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			X
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			X
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			X
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			X
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			X
D-314	Is the control station used during the diverter test or actuation identified? 30 CFR 250.434(c)	W			X
	SURFACE DIVERTER SYSTEM				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			X
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			X
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			X
D-322	Is the spool outlet and diverter line nominal diameter at least 10 inches for surface wellhead configurations and at least 12 inches for floating drilling operations? 30 CFR 250.431(a)	S			X
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			X
D-326	Is diverter sealing elements and diverter valves pressure tested to a minimum of 200 psi when nipped up on conductor casing, with no more than 7 days elapsed time between subsequent tests? 30 CFR 250.433(a)	W/S			X
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for surface diverter systems? 30 CFR 250.433(a), 250.433(c)	W			X
D-334	Is vessel heading maintained to allow for downwind diversion on dynamically-positions drill ships? 30 CFR 250.432(d)	S			X
	DRILLING FLUID PROGRAM				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W	X		
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level decreases the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a lower decrease in hydrostatic pressure? 30 CFR 250.456(c)	W	X		
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W	X		

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W	X		
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	X		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	X		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			X
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			X
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			X
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	X		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	X		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	3		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	X		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	X		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			X
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	X		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	X		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	X		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	X		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	5		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	X		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			X
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	X		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	12		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			X

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	X		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	X		
<u>APPLICATION FOR PERMIT TO DRILL</u>					
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S			X
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			X
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	X		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			X
<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>					
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			X
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			X
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			X
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			X
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			X
<u>SUBSEA BOP SYSTEMS</u>					
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			X
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			X
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			X
<u>STUMP TEST</u>					
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			X
<u>INITIAL INSTALLATION TEST</u>					
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			X
<u>HYDROGEN SULFIDE</u>					
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	X		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	X		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	X		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	X		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	X		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	X		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	X		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W	X		
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	X		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			X
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card? 30 CFR 250.490(g)(2)(i, ii)	W	X		
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W	X		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	X		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C	X		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			X
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	X		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	X		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	X		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	X		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	X		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	X		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	X		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	X		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C	X		
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C	X		

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C	X		
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C	X		
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S	X		
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	X		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	X		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	X		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	X		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	X		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	X		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W	X		
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	X		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S	X		
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			X
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	X		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			X
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S	X		
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			X
H-160	When conducting coring operations , is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			X
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			X
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			X
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			X
H-164	During stripping operations , is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			X
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			X
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			X

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			X
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S	X		
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W	X		
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W	X		
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W	X		
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W	X		
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S	X		
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months? 30 CFR 250.490(j)(11)(iv)	W/S	X		
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W	X		
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			X
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			X
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S	X		

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:



EPA Inspection Form for Alaska
 Outer Continental Shelf Oil and Gas Facilities
 NPDES General Permit No. AKG280000
 Location: Chukchi Sea 2012
 Permittee: Shell

Permittee Representative	Lloyd Wallace	Inspector Name	Michael Shank
Inspection Date	10/10/2012	Signature	
Insp. Time (Start/End)		Well Name	Burger A
Lease No.	OCS-Y 2280	Block No.	Posey 6764

Vessel (Circle One) *Noble Discoverer* Other _____

	Comment (✓)	Yes	No	N/A
Discharge No. and Description				
001 – Water-based Drilling Fluids and Drilling Cuttings				
Total Volume (Monthly estimate)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Flow Limitation (Hourly during discharge; estimate)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Suspended Particulate Phase Toxicity Test (Monthly; 30,000 ppm)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Free Oil – No Discharge (Static Sheen Test; Daily)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Free Oil – No Discharge (Visual; Daily)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Diesel Oil – No Discharge (Once per well and upon failure of static sheen test)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Barite Analysis for Mercury (≤ 1 mg/kg; once prior to drilling each well)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Barite Analysis for Cadmium (≤ 3 mg/kg; once prior to drilling each well)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chromium VI, Silver & Thallium (Once per well)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Total Aqueous Hydrocarbons (Once per well)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Total Aromatic Hydrocarbons (Once per well)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chemical inventory of all constituents added downhole	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
002 – Deck Drainage				
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Free Oil – No Discharge (Static Sheen Test; once per discharge event)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Aqueous Hydrocarbons (Once per discharge event)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Aromatic Hydrocarbons (Once per discharge event)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Contaminated drainage is processed through oil-water separator before discharge	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
003 – Sanitary Wastes				
Flow (Daily; Measured/recorded)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BOD ₅ (30 mg/l Monthly Ave; 60 mg/L Daily Max; Weekly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TSS (30 mg/l Monthly Ave; 60 mg/L Daily Max; Weekly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Floating Solids, Garbage, Foam, Oily Sheen Obs. – No Discharge (Daily; visual)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH (6.0-9.0; Monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fecal Coliform (100 c/100 mL Month Ave; 200 c/100 mL Daily Max; Monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Residual Chlorine (0.5 mg/L Monthly Ave; 1.0 mg/L Daily Max; Weekly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
004 – Domestic Wastes				
Floating Solids, Garbage, Foam Obs. – No Discharge (Daily; visual)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flow (Monthly estimated)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Continued on Next Page

	Comment (✓)	Yes	No	N/A
Discharge No. and Description				
005 – Desalination Unit Wastes				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chemical inventory of quantities and rates added	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
006 – Blowout Preventer Fluid				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
009 – Non-contact Cooling Water				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chemical/Biocides inventory of type and quantity added	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
010 – Uncontaminated Ballast Water				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
011 – Bilge Water				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bilge water is processed through oil-water separator before discharge	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
012 – Excess Cement Slurry				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
013 – Mud, Cuttings, Cement at Seafloor				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Miscellaneous Requirements – All Applicable Discharge Nos.				
Floating solids, debris, sludge, deposits, foam, scum or other residues causing nuisance, objectionable or detrimental conditions – No Discharge (Section II.A.4.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Visual monitoring in outfall vicinity at time of maximum estimated or measured discharge (Section II.A.10.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NOTE: Observations should be described in detail in the Comments section				

Comments *(Continue on next page as needed)*

001-No Discharge
003-No Discharge, samples sent into town for lab analysis
005-No chemicals added
006-No Discharge

Comments *(continued)*

009-No Discharge

010-No Discharge

012-No Discharge

Note: No cementing was performed prior to this inspection.

Public Information

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
OMB Approval Expires 10/31/2014

WELL ACTIVITY REPORT

RECEIVED

BEGINNING DATE: 10/10/2012 ENDING DATE: 10/11/2012

OCT 11 2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

CORRECTION CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT

GENERAL INFORMATION

1. API WELL NO. (10 digits) 55-352-0000200		2. OPERATOR NAME Shell Gulf of Mexico Inc	
3. WELL NAME Posey 6764 OCS-Y 2280 001	4. SIDETRACK NO. 00	5. BYPASS NO. 00	6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer		8. WATER DEPTH (surveyed) (ft) 150	9. ELEVATION AT KB (Surveyed) (ft) 48.5

10. CURRENT WELLBORE INFORMATION

SURFACE					BOTTOM						
LEASE NO.	AREA NAME	BLOCK NO.		LEASE NO.	BLOCK NO.						
OCS Y-2280	Posey	6764		OCS Y-2280	6764						
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
											LOW
					N/A				N/A	N/A	N/A

11. WELLBORE HISTORICAL INFORMATION

WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD
	OCS Y-2280					

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY

Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

None of the following have occurred:

- Wireline logs (Report when acquired)
- Wireline Directionals (Report when acquired)
- Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
- Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
- PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)

Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

- Please check as many events from the list below:
- | | |
|---|---|
| <input type="checkbox"/> Kick Occurrence | <input type="checkbox"/> Well Control Equipment Failure |
| <input type="checkbox"/> Shallow Water Flow | <input type="checkbox"/> H ₂ S Encounter |
| <input type="checkbox"/> Weather and Oceanographic Conditions | <input type="checkbox"/> New Technology Failure |
| <input type="checkbox"/> General Rig Equipment Failure | <input type="checkbox"/> Stuck Pipe |
| <input type="checkbox"/> Lost Returns | <input type="checkbox"/> Wellbore Integrity Failure |
| <input type="checkbox"/> Station Keeping Failure | <input type="checkbox"/> Other |

Public Information

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

From: [Shank, Michael L](#)
To: [Fesmire, Mark E](#)
Subject: Daily Report
Date: Thursday, October 11, 2012 7:42:50 AM

Daily Report
10/10/2012

- Ran a wiper trip on the 36" section. Spotted a pill in the lower pilot hole.
- Attached the suction hose to the GTO unit and cleaned out the bottom of the MLC.

Next 24 Hours: Run another wiper trip on the 36" open hole and try to work out a couple tight spots. Spot another pill in the lower pilot hole section. Run 30" casing and cement. WOC

Tankersley, Yolanda J

From: Miller, Chet
Sent: Thursday, October 11, 2012 8:34 AM
To: Fesmire, Mark E; Monkeliën, Kyle; Howell, Randy; Crumrine, Kathleen
Subject: Kulluk operations

Moved MLC bit to center and set on spider beam
Dress riser running tool core connector and bit core
MU running tool to core connector and to bit core
WOW Rig up moon pool tuggers through diverter
Vessel moving to much to operate rate the cranes WOW

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME ___Kulluk___ **INSPECTION DATE** ___10-11-12

INSPECTORS NAME Chet Miller

MODIFIED August 2012

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	1		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	1		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	1		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	1		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	1		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	1		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	1		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	1		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C	10		
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			10
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C	10		
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C	10		
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C	3		7
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	1		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	1		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	1		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	1		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	1		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	1		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C			1
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C			1
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C			1
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C			1
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C			1
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C			1
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C			1

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C			1
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C			1
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W			1
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			1
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	1		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S			1
1 E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	1		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S			1
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	1		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	1		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	1		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	1		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S	1		
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			1
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			1
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			1
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W			1
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			1
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W			0
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			0
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			0
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			0

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			0
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			0
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			0
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			0
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			0
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			0
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			0
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			0
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			0
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			0
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			0
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			0
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			0
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			0
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			0
D-174	For the final casing string , did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			0
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			0
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			0
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			0
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			0
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			0
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			0

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			0
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			0
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			0
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			0
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			0
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			0
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			0
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			0
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			0
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			0
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			0
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			0
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S	2		
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S	2		
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S	1		
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W	1		
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			0
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			0
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			0
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			0
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			0
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			0
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			0
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			0
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			0
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			0
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			0
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			0
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			0

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			0
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			0
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			0
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			0
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			0
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			0
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			0
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			0
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			0
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			0
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			0
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			0
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			0
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			0
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			0
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			0
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			0
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			0
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			0
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			0
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			0
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			0
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			0
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			0
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			0
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			0

<u>INC#</u>	<u>WELL-CONTROL DRILLS</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			0
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W			0
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			0
	<u>DIVERTER SYSTEMS</u>				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			0
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			0
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, <u>actuation-tested</u> and the vent lines flow tested when installed? 30 CFR 250.433	W			0
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			0
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			0
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			0
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			0
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			0
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			0
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			0
D-314	Is the control station used during the diverter test or actuation <u>identified</u> ? 30 CFR 250.434(c)	W			0
	<u>SURFACE DIVERTER SYSTEM</u>				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			0
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			0
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			0
D-322	Is the spool outlet and diverter line nominal diameter at <u>least 10 inches</u> for surface wellhead configurations and at <u>least 12 inches for floating drilling operations</u> ? 30 CFR 250.431(a)	S			0
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			0
D-326	Is diverter sealing elements and diverter valves pressure tested to a <u>minimum of 200 psi</u> when nipped up on conductor casing, with no more than <u>7 days elapsed time</u> between subsequent tests? 30 CFR 250.433(a)	W/S			0
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, <u>conducted at least once every 24 hour period alternating between control stations for surface diverter systems</u> ? 30 CFR 250.433(a), 250.433(c)	W			0
D-334	Is vessel heading maintained to allow for downwind diversion on <u>dynamically-positions drill ships</u> ? 30 CFR 250.432(d)	S			0
	<u>DRILLING FLUID PROGRAM</u>				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation <u>was not</u> necessary? 30 CFR 250.456(a)	W			0
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level <u>decreases the hydrostatic pressure by 75 psi</u> , or <u>every 5 stands of drill pipe</u> , whichever gives a <u>lower decrease in hydrostatic pressure</u> ? 30 CFR 250.456(c)	W			0
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			0

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			0
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W			0
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S			0
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			0
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			0
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			0
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S			0
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S			0
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S			0
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S			0
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	1		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	1		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			0
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S			0
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S			0
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S			0
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S			0
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S			0
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S			0
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			0
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S			0
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S			0
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			0

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	1		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	1		
	<u>APPLICATION FOR PERMIT TO DRILL</u>				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S	1		
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			0
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	0		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			0
	<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			0
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			0
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			0
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			0
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			0
	<u>SUBSEA BOP SYSTEMS</u>				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			0
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			0
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			0
	<u>STUMP TEST</u>				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			0
	<u>INITIAL INSTALLATION TEST</u>				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			0
	<u>HYDROGEN SULFIDE</u>				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S			0
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S			0
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C			0

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C			0
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C			0
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C			0
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W			0
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W			0
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C			0
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			0
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card? 30 CFR 250.490(g)(2)(i, ii)	W			0
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W			0
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C			0
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C			0
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S			0
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			0
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S			0
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S			0
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S			0
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S			0
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C			0
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C			0
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C			0
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W			0
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S			0
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W			0
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S			0
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C			0
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C			0

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C			0
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C			0
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S			0
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S			0
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S			0
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W			0
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W			0
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S			0
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S			0
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S			0
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			0
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W			0
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S			0
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S			0
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			0
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S			0
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			0
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S			0
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			0
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			0
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			0
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			0
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			0
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			0
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			0
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			0

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			0
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S			0
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W			0
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W			0
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W			0
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W			0
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S			0
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months ? 30 CFR 250.490(j)(11)(iv)	W/S			0
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W			0
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			0
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			0
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S			0

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks: WOW rigging up the MLC in prep for drilling the cellar
Witnessed sheen test of noncontact sea water no sheen found.

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME ___ Kulluk ___ **INSPECTION DATE** ___ 10-11-12

INSPECTORS NAME: Chet Miller

MODIFIED August 2012

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	1		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	1		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	1		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	1		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	1		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	1		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	1		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	1		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C	10		
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			10
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C	10		
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C	10		
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C	3		7
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	1		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	1		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	1		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	1		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	1		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	1		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C			1
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C			1
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C			1
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C			1
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C			1
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C			1
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C			1

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C			1
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C			1
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W			1
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			1
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	1		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S			1
1 E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	1		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S			1
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	1		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	1		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	1		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	1		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S	1		
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			1
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			1
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			1
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W			1
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			1
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W			0
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			0
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			0
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			0

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			0
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			0
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			0
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			0
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			0
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			0
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			0
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			0
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			0
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			0
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			0
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			0
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			0
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			0
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			0
D-174	For the final casing string , did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			0
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			0
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			0
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			0
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			0
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			0
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			0

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			0
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			0
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			0
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			0
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			0
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			0
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			0
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			0
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			0
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			0
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			0
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			0
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S	2		
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S	2		
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S	1		
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W	1		
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			0
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			0
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			0
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			0
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			0
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			0
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			0
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			0
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			0
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			0
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			0
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			0
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			0

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			0
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			0
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			0
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			0
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			0
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			0
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			0
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			0
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			0
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			0
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			0
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			0
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers <u>recorded</u> in the driller's report? 30 CFR 250.450	W			0
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			0
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			0
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			0
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			0
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			0
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			0
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			0
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			0
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			0
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			0
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			0
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			0
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			0

<u>INC#</u>	<u>WELL-CONTROL DRILLS</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			0
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W			0
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			0
	<u>DIVERTER SYSTEMS</u>				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			0
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			0
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, actuation-tested and the vent lines flow tested when installed? 30 CFR 250.433	W			0
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			0
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			0
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			0
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			0
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			0
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			0
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			0
D-314	Is the control station used during the diverter test or actuation identified? 30 CFR 250.434(c)	W			0
	<u>SURFACE DIVERTER SYSTEM</u>				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			0
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			0
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			0
D-322	Is the spool outlet and diverter line nominal diameter at least 10 inches for surface wellhead configurations and at least 12 inches for floating drilling operations? 30 CFR 250.431(a)	S			0
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			0
D-326	Is diverter sealing elements and diverter valves pressure tested to a minimum of 200 psi when nipped up on conductor casing, with no more than 7 days elapsed time between subsequent tests? 30 CFR 250.433(a)	W/S			0
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for surface diverter systems? 30 CFR 250.433(a), 250.433(c)	W			0
D-334	Is vessel heading maintained to allow for downwind diversion on dynamically-positions drill ships? 30 CFR 250.432(d)	S			0
	<u>DRILLING FLUID PROGRAM</u>				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W			0
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level decreases the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a lower decrease in hydrostatic pressure? 30 CFR 250.456(c)	W			0
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			0

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			0
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W			0
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S			0
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			0
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			0
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			0
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S			0
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S			0
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S			0
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S			0
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	1		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	1		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			0
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S			0
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S			0
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S			0
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S			0
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S			0
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S			0
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			0
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S			0
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S			0
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			0

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	1		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	1		
	<u>APPLICATION FOR PERMIT TO DRILL</u>				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S	1		
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			0
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	0		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			0
	<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			0
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			0
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			0
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			0
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			0
	<u>SUBSEA BOP SYSTEMS</u>				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			0
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			0
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			0
	<u>STUMP TEST</u>				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			0
	<u>INITIAL INSTALLATION TEST</u>				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			0
	<u>HYDROGEN SULFIDE</u>				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S			0
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S			0
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C			0

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C			0
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C			0
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C			0
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W			0
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W			0
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C			0
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			0
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card ? 30 CFR 250.490(g)(2)(i, ii)	W			0
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility ? 30 CFR 250.490(k)(3)(i)	W			0
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C			0
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C			0
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S			0
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more ? 30 CFR 250.490(i)(2)(i)	W/S			0
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S			0
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S			0
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S			0
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S			0
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C			0
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C			0
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C			0
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel ? 30 CFR 250.490(k)(1)(i)	W			0
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S			0
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W			0
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use ? 30 CFR 250.490(j)(13)(iv)	C/S			0
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member ? 30 CFR 250.490(j)(13)(vii)	C			0
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan ? 30 CFR 250.490(j)(13)(viii)	C			0

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C			0
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C			0
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S			0
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S			0
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S			0
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W			0
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W			0
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S			0
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S			0
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S			0
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			0
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W			0
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S			0
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S			0
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			0
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S			0
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			0
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S			0
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			0
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			0
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			0
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			0
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			0
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			0
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			0
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			0

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			0
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S			0
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W			0
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W			0
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W			0
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W			0
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S			0
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months ? 30 CFR 250.490(j)(11)(iv)	W/S			0
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W			0
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			0
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			0
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S			0

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Daily Report
10/11/2012

-Standing up casing and getting PGB set up to run into the hole.

Next 24 Hours: Get 30" casing and PGB run into the hole and cemented.

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer INSPECTION DATE 10/11/2012

INSPECTORS NAME Michael Shank

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	X		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	X		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	X		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	X		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	X		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	X		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	X		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	X		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C			X
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			X
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			X
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C			X
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C			X
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	X		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	X		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	X		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	X		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	X		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	X		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	X		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	X		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	X		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	X		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	X		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C	X		
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C	X		

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C	X		
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C	X		
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W	X		
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			X
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	X		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S	X		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	X		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	X		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	X		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	X		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	X		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	X		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S			X
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			X
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			X
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			X
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W	X		
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			X
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W	X		
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S	X		
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			X
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			X

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W	X		
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W	X		
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S	X		
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			X
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			X
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			X
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			X
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			X
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			X
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			X
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			X
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			X
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			X
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			X
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			X
D-174	For the final casing string , did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			X
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			X
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			X
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			X
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			X
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			X
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			X

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			X
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			X
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			X
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			X
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			X
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			X
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			X
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			X
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			X
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			X
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			X
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			X
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			X
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			X
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S			X
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			X
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			X
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			X
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			X
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			X
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			X
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			X
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			X
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			X
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			X
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			X
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			X
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			X
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			X

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			X
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			X
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			X
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			X
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			X
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			X
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			X
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			X
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			X
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			X
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			X
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			X
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers <u>recorded</u> in the driller's report? 30 CFR 250.450	W			X
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			X
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			X
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			X
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			X
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			X
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			X
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			X
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			X
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			X
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			X
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			X
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			X
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			X

INC#	WELL-CONTROL DRILLS	CODE	YES	NO	N/A
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			X
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	X		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			X
	DIVERTER SYSTEMS				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			X
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			X
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, actuation-tested and the vent lines flow tested when installed? 30 CFR 250.433	W			X
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			X
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			X
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			X
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			X
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			X
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			X
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			X
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			X
D-314	Is the control station used during the diverter test or actuation identified? 30 CFR 250.434(c)	W			X
	SURFACE DIVERTER SYSTEM				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			X
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			X
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			X
D-322	Is the spool outlet and diverter line nominal diameter at least 10 inches for surface wellhead configurations and at least 12 inches for floating drilling operations? 30 CFR 250.431(a)	S			X
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			X
D-326	Is diverter sealing elements and diverter valves pressure tested to a minimum of 200 psi when nipped up on conductor casing, with no more than 7 days elapsed time between subsequent tests? 30 CFR 250.433(a)	W/S			X
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for surface diverter systems? 30 CFR 250.433(a), 250.433(c)	W			X
D-334	Is vessel heading maintained to allow for downwind diversion on dynamically-positions drill ships? 30 CFR 250.432(d)	S			X
	DRILLING FLUID PROGRAM				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W	X		
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level decreases the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a lower decrease in hydrostatic pressure? 30 CFR 250.456(c)	W	X		
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W	X		

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W	X		
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	X		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	X		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			X
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			X
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			X
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	X		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	X		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	3		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	X		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	X		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			X
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	X		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	X		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	X		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	X		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	5		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	X		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			X
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	X		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	12		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			X

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	X		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	X		
	<u>APPLICATION FOR PERMIT TO DRILL</u>				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S			X
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			X
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	X		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			X
	<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			X
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			X
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			X
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			X
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			X
	<u>SUBSEA BOP SYSTEMS</u>				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			X
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			X
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			X
	<u>STUMP TEST</u>				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			X
	<u>INITIAL INSTALLATION TEST</u>				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			X
	<u>HYDROGEN SULFIDE</u>				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	X		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	X		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	X		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	X		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	X		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	X		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	X		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W	X		
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	X		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			X
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card ? 30 CFR 250.490(g)(2)(i, ii)	W	X		
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility ? 30 CFR 250.490(k)(3)(i)	W	X		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	X		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C	X		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			X
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	X		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	X		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	X		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	X		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	X		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	X		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	X		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	X		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C	X		
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C	X		

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C	X		
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C	X		
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S	X		
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	X		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	X		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	X		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	X		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	X		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	X		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W	X		
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	X		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S	X		
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			X
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	X		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			X
H-157	Is gas containing H2S not used for instrument gas, and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S	X		
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			X
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			X
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			X
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			X
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			X
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			X
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			X
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			X

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			X
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S	X		
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W	X		
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W	X		
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W	X		
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W	X		
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S	X		
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months? 30 CFR 250.490(j)(11)(iv)	W/S	X		
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W	X		
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			X
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			X
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S	X		

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Public Information

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
OMB Approval Expires 10/31/2014

RECEIVED

OCT 16 2012

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

WELL ACTIVITY REPORT

BEGINNING DATE: 10/11/2012 ENDING DATE: 10/12/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION.

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-352-0000200						2. OPERATOR NAME Shell Gulf of Mexico Inc					
3. WELL NAME <small>Posey 6764 OCS-Y 2280 001</small>		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer						8. WATER DEPTH (surveyed) (ft) 150		9. ELEVATION AT KB (Surveyed) (ft) 48.5			
10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.				BLOCK NO.	
OCS Y-2280		Posey		6764		OCS Y-2280				6764	
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					N/A				N/A	N/A	N/A
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS Y-2280										

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY
Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

None of the following have occurred:

- Wireline logs (Report when acquired)
- Wireline Directionals (Report when acquired)
- Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
- Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
- PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)

Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

<input type="checkbox"/> Kick Occurrence	<input type="checkbox"/> Well Control Equipment Failure
<input type="checkbox"/> Shallow Water Flow	<input type="checkbox"/> H ₂ S Encounter
<input type="checkbox"/> Weather and Oceanographic Conditions	<input type="checkbox"/> New Technology Failure
<input type="checkbox"/> General Rig Equipment Failure	<input type="checkbox"/> Stuck Pipe
<input type="checkbox"/> Lost Returns	<input type="checkbox"/> Wellbore Integrity Failure
<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other

Public Information

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Public Information

U.S. Department of the Interior
 Bureau of Safety and Environmental
 Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
 OMB Approval Expires 10/31/2014

RECEIVED

OCT 16 2012

WELL ACTIVITY REPORT

BEGINNING DATE: 10/11/2012 **ENDING DATE:** 10/11/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-171-0001300						2. OPERATOR NAME Shell Offshore, Inc					
3. WELL NAME OCS-Y 1805 #001 (Sivuliq N)		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS Shawn Gelsinger/713.594.8531/shawn.gelsinger@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Shell Kulluk						8. WATER DEPTH (surveyed) (ft) 106			9. ELEVATION AT KB (Surveyed) (ft) 68		
10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.				BLOCK NO.	
OCS-Y 1805		Flaxman Island		6658		OCS-Y 1805				6658	
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
											LOW
					n/a				n/a	n/a	n/a
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS-Y 1805										

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

From: [Shank, Michael L](#)
To: [Fesmire, Mark E](#)
Subject: Daily Report
Date: Friday, October 12, 2012 8:11:54 AM

Daily Report
10/11/2012

-Standing up casing and getting PGB set up to run into the hole.

Next 24 Hours: Get 30" casing and PGB run into the hole and cemented.

Tankersley, Yolanda J

From: Miller, Chet
Sent: Friday, October 12, 2012 8:30 AM
To: Monkeliën, Kyle; Fesmire, Mark E; Howell, Randy; Crumrine, Kathleen
Subject: Morning report

Made up educator onto MLC
Make up hoses to educator
Test MLC
P/U drill pipe lower MLC into moon pool
Prep to drill
Off loading 1200 bbls of waste water to supply boat.

Wx light snow

Chet

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME ___Kulluk___ **INSPECTION DATE** ___10-12-12

INSPECTORS NAME Chet Miller

MODIFIED August 2012

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	1		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	1		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	1		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	1		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	1		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	1		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	1		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	1		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C	10		
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			10
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C	10		
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C	10		
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C	3		7
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	1		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	1		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	1		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	1		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	1		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	1		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C			1
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C			1
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C			1
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C			1
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C			1
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C			1
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C			1

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C			1
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C			1
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W			1
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			1
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	1		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S			1
1 E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	1		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S			1
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	1		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	1		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	1		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	1		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S	1		
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			1
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			1
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			1
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W			1
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			1
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W			0
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			0
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			0
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			0

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			0
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			0
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			0
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			0
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			0
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			0
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			0
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			0
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			0
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			0
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			0
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			0
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			0
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			0
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			0
D-174	For the final casing string , did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			0
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			0
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			0
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			0
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			0
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			0
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			0

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			0
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			0
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			0
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			0
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			0
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			0
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			0
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			0
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			0
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			0
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			0
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			0
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S	2		
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S	2		
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S	1		
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W	1		
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			0
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			0
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			0
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			0
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			0
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			0
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			0
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			0
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			0
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			0
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			0
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			0
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			0

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			0
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			0
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			0
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			0
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			0
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			0
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			0
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			0
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			0
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			0
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			0
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			0
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			0
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			0
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			0
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			0
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			0
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			0
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			0
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			0
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			0
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			0
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			0
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			0
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			0
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			0

<u>INC#</u>	<u>WELL-CONTROL DRILLS</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			0
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W			0
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			0
	<u>DIVERTER SYSTEMS</u>				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			0
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			0
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, <u>actuation-tested</u> and the vent lines flow tested when installed? 30 CFR 250.433	W			0
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			0
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			0
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			0
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			0
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			0
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			0
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			0
D-314	Is the control station used during the diverter test or actuation <u>identified</u> ? 30 CFR 250.434(c)	W			0
	<u>SURFACE DIVERTER SYSTEM</u>				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			0
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			0
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			0
D-322	Is the spool outlet and diverter line nominal diameter at <u>least 10 inches</u> for surface wellhead configurations and at <u>least 12 inches for floating drilling operations</u> ? 30 CFR 250.431(a)	S			0
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			0
D-326	Is diverter sealing elements and diverter valves pressure tested to a <u>minimum of 200 psi</u> when nipped up on conductor casing, with no more than <u>7 days elapsed time</u> between subsequent tests? 30 CFR 250.433(a)	W/S			0
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, <u>conducted at least once every 24 hour period alternating between control stations for surface diverter systems</u> ? 30 CFR 250.433(a), 250.433(c)	W			0
D-334	Is vessel heading maintained to allow for downwind diversion on <u>dynamically-positions drill ships</u> ? 30 CFR 250.432(d)	S			0
	<u>DRILLING FLUID PROGRAM</u>				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation <u>was not</u> necessary? 30 CFR 250.456(a)	W			0
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level <u>decreases the hydrostatic pressure by 75 psi</u> , or <u>every 5 stands of drill pipe</u> , whichever gives a <u>lower decrease in hydrostatic pressure</u> ? 30 CFR 250.456(c)	W			0
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			0

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			0
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W			0
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S			0
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			0
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			0
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			0
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S			0
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S			0
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S			0
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S			0
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	1		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	1		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			0
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S			0
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S			0
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S			0
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S			0
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S			0
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S			0
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			0
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S			0
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S			0
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			0

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	1		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	1		
	<u>APPLICATION FOR PERMIT TO DRILL</u>				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S	1		
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			0
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	0		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			0
	<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			0
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			0
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			0
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			0
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			0
	<u>SUBSEA BOP SYSTEMS</u>				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			0
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			0
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			0
	<u>STUMP TEST</u>				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			0
	<u>INITIAL INSTALLATION TEST</u>				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			0
	<u>HYDROGEN SULFIDE</u>				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S			0
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S			0
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C			0

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C			0
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C			0
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C			0
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W			0
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W			0
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C			0
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			0
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card ? 30 CFR 250.490(g)(2)(i, ii)	W			0
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility ? 30 CFR 250.490(k)(3)(i)	W			0
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C			0
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C			0
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S			0
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more ? 30 CFR 250.490(i)(2)(i)	W/S			0
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate ? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S			0
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S			0
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S			0
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S			0
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C			0
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C			0
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C			0
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel ? 30 CFR 250.490(k)(1)(i)	W			0
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S			0
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W			0
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use ? 30 CFR 250.490(j)(13)(iv)	C/S			0
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member ? 30 CFR 250.490(j)(13)(vii)	C			0
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan ? 30 CFR 250.490(j)(13)(viii)	C			0

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C			0
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C			0
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S			0
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S			0
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S			0
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W			0
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W			0
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S			0
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S			0
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S			0
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			0
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W			0
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S			0
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S			0
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			0
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S			0
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			0
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S			0
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			0
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			0
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			0
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			0
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			0
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			0
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			0
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			0

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			0
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S			0
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W			0
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W			0
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W			0
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W			0
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S			0
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months? 30 CFR 250.490(j)(11)(iv)	W/S			0
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W			0
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			0
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			0
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S			0

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks: WOW rigging up the MLC in prep for drilling the cellar
Witnessed sheen test of noncontact sea water no sheen found.

Daily Report
10/12/2012

- Ran 30" casing to TD.
- Rigging up GTO unit hose to perform cement job.

Next 24 Hours: Cement 30" casing watching for returns with pH meters and sonar camera. WOC.

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer INSPECTION DATE 10/12/2012

INSPECTORS NAME Michael Shank

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	X		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	X		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	X		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	X		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	X		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	X		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	X		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	X		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C			X
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			X
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			X
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C			X
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C			X
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	X		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	X		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	X		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	X		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	X		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	X		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	X		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	X		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	X		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	X		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	X		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C	X		
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C	X		

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C	X		
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C	X		
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W	X		
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			X
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	X		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S	X		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	X		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	X		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	X		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	X		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	X		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	X		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S			X
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			X
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			X
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			X
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W	X		
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			X
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W			X
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			X
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			X
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			X

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			X
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			X
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			X
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			X
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			X
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			X
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			X
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			X
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			X
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			X
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			X
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			X
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			X
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			X
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			X
D-174	For the final casing string , did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			X
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			X
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			X
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			X
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			X
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			X
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			X

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			X
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			X
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			X
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			X
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			X
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			X
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			X
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			X
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			X
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			X
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			X
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			X
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			X
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			X
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S			X
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			X
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			X
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			X
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			X
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			X
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			X
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			X
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			X
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			X
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			X
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			X
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			X
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			X
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			X

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			X
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			X
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			X
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			X
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			X
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			X
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			X
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			X
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			X
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			X
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			X
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			X
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			X
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			X
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			X
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			X
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			X
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			X
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			X
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			X
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			X
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			X
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			X
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			X
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			X
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			X

INC#	WELL-CONTROL DRILLS	CODE	YES	NO	N/A
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			X
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	X		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			X
	DIVERTER SYSTEMS				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			X
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			X
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, actuation-tested and the vent lines flow tested when installed? 30 CFR 250.433	W			X
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			X
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			X
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			X
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			X
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			X
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			X
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			X
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			X
D-314	Is the control station used during the diverter test or actuation identified? 30 CFR 250.434(c)	W			X
	SURFACE DIVERTER SYSTEM				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			X
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			X
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			X
D-322	Is the spool outlet and diverter line nominal diameter at least 10 inches for surface wellhead configurations and at least 12 inches for floating drilling operations? 30 CFR 250.431(a)	S			X
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			X
D-326	Is diverter sealing elements and diverter valves pressure tested to a minimum of 200 psi when nipped up on conductor casing, with no more than 7 days elapsed time between subsequent tests? 30 CFR 250.433(a)	W/S			X
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for surface diverter systems? 30 CFR 250.433(a), 250.433(c)	W			X
D-334	Is vessel heading maintained to allow for downwind diversion on dynamically-positions drill ships? 30 CFR 250.432(d)	S			X
	DRILLING FLUID PROGRAM				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W	X		
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level decreases the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a lower decrease in hydrostatic pressure? 30 CFR 250.456(c)	W	X		
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W	X		

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W	X		
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	X		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	X		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			X
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			X
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			X
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	X		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	X		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	3		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	X		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	X		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			X
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	X		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	X		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	X		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	X		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	5		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	X		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			X
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	X		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	12		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			X

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	X		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	X		
	<u>APPLICATION FOR PERMIT TO DRILL</u>				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S			X
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			X
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	X		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			X
	<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			X
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			X
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			X
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			X
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			X
	<u>SUBSEA BOP SYSTEMS</u>				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			X
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			X
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			X
	<u>STUMP TEST</u>				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			X
	<u>INITIAL INSTALLATION TEST</u>				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			X
	<u>HYDROGEN SULFIDE</u>				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	X		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	X		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	X		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	X		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	X		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	X		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	X		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W	X		
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	X		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			X
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card? 30 CFR 250.490(g)(2)(i, ii)	W	X		
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W	X		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	X		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C	X		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			X
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	X		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	X		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	X		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	X		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	X		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	X		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	X		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	X		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C	X		
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C	X		

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C	X		
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C	X		
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S	X		
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	X		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	X		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	X		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	X		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	X		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	X		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W	X		
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	X		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S	X		
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			X
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	X		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			X
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S	X		
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			X
H-160	When conducting coring operations , is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			X
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			X
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			X
H-163	During stripping operations , are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			X
H-164	During stripping operations , is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			X
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			X
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			X

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			X
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S	X		
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W	X		
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W	X		
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W	X		
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W	X		
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S	X		
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months? 30 CFR 250.490(j)(11)(iv)	W/S	X		
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W	X		
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			X
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			X
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S	X		

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Public Information

U.S. Department of the Interior
 Bureau of Safety and Environmental
 Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
 OMB Approval Expires 10/31/2014

RECEIVED

OCT 16 2012

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

WELL ACTIVITY REPORT

BEGINNING DATE: 10/12/2012 **ENDING DATE:** 10/13/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-352-0000200						2. OPERATOR NAME Shell Gulf of Mexico Inc					
3. WELL NAME <small>Posey 6764 OCS-Y 2280 001</small>		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer						8. WATER DEPTH (surveyed) (ft) 150		9. ELEVATION AT KB (Surveyed) (ft) 48.5			
10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.				BLOCK NO.	
OCS Y-2280		Posey		6764		OCS Y-2280				6764	
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					N/A				N/A	N/A	N/A
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS Y-2280										

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY

Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

- None** of the following have occurred:
 - ! Wireline logs (Report when acquired)
 - ! Wireline Directionals (Report when acquired)
 - ! Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
 - ! Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
 - ! PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)

Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

- | | |
|---|---|
| <input type="checkbox"/> Kick Occurrence | <input type="checkbox"/> Well Control Equipment Failure |
| <input type="checkbox"/> Shallow Water Flow | <input type="checkbox"/> H ₂ S Encounter |
| <input type="checkbox"/> Weather and Oceanographic Conditions | <input type="checkbox"/> New Technology Failure |
| <input type="checkbox"/> General Rig Equipment Failure | <input type="checkbox"/> Stuck Pipe |
| <input type="checkbox"/> Lost Returns | <input type="checkbox"/> Wellbore Integrity Failure |
| <input type="checkbox"/> Station Keeping Failure | <input type="checkbox"/> Other |

Public Information

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Public Information

U.S. Department of the Interior
 Bureau of Safety and Environmental
 Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
 OMB Approval Expires 10/31/2014

RECEIVED

OCT 16 2012

WELL ACTIVITY REPORT

BEGINNING DATE: 10/12/2012 ENDING DATE: 10/12/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-171-0001300						2. OPERATOR NAME Shell Offshore, Inc					
3. WELL NAME OCS-Y 1805 #001 (Sivulliq N)		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS Shawn Gelsing/713.594.8531/					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Shell Kulluk						8. WATER DEPTH (surveyed) (ft) 106		9. ELEVATION AT KB (Surveyed) (ft) 68			
10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.	AREA NAME	BLOCK NO.				LEASE NO.	BLOCK NO.				
OCS-Y 1805 #001 (Sivulliq N)	Flaxman Island	6658				OCS-Y 1805	6658				
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					n/a				n/a	n/a	n/a
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS-Y 1805										

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Tankersley, Yolanda J

From: Miller, Chet
Sent: Saturday, October 13, 2012 8:27 AM
To: Monkeliën, Kyle; Fesmire, Mark E; Crumrine, Kathleen; Howell, Randy
Subject: Kulluk morning report

Kelly has been made up prepping to drill MLC.
Reported yesterday pumped off 1200 bbls of wastes water it was a total of 1650 bbls of water.
24 her plan drill out MLC

Shank, Michael L

From: Fesmire, Mark E
Sent: Saturday, October 13, 2012 9:23 AM
To: Shank, Michael L
Subject: RE: Drilling ahead approval

Mike:

The reason that we need to talk to Kyle is that we have already established a protocol for this. I am back in the office.

Mark

From: Shank, Michael L
Sent: Saturday, October 13, 2012 8:27 AM
To: Fesmire, Mark E
Cc: Monkeliën, Kyle
Subject: RE: Drilling ahead approval

Okay, I'll call in right after the morning teleconference ~9:30am. Then I'll call Kyle and talk about this.

-Mike

From: Fesmire, Mark E
Sent: Saturday, October 13, 2012 8:19 AM
To: Shank, Michael L
Cc: Monkeliën, Kyle
Subject: RE: Drilling ahead approval

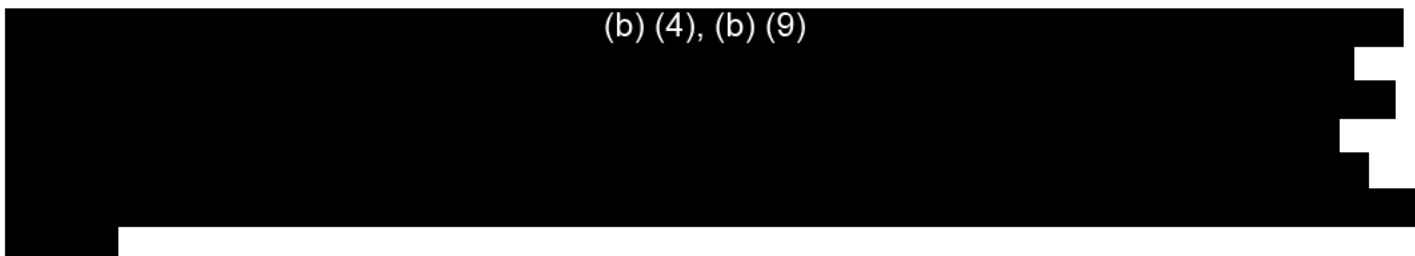
Mike:

I will be going to breakfast for about an hour, then I will be back in the office. I will forward this to Kyle and we should talk to him before we authorize it. At the present time, I don't see a problem, but we need to discuss.

Mark

From: Shank, Michael L
Sent: Saturday, October 13, 2012 8:07 AM
To: Fesmire, Mark E
Subject: Drilling ahead approval

(b) (4), (b) (9)



Is there a good number to call you or someone else, or should I make the call myself?

-Mike

From: [Shank, Michael L](#)
To: [Fesmire, Mark E](#); [Monkelien, Kyle](#); [Miller, Chet](#); [Crumrine, Kathleen](#); [Walker, Jeffrey](#); [Howell, Randy](#)
Subject: Daily Report
Date: Saturday, October 13, 2012 9:51:51 AM

Daily Report
10/12/2012

- Ran 30" casing to TD.
- Rigging up GTO unit hose to perform cement job.

Next 24 Hours: Cement 30" casing watching for returns with pH meters and sonar camera. WOC.

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME ___Kulluk___ **INSPECTION DATE** ___10-13-12

INSPECTORS NAME Chet Miller

MODIFIED August 2012

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	1		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	1		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	1		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	1		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	1		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	1		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	1		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	1		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C	10		
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			10
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C	10		
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C	10		
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C	3		7
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	1		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	1		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	1		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	1		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	1		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	1		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C			1
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C			1
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C			1
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C			1
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C			1
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C			1
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C			1

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C			1
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C			1
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W			1
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			1
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	1		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S			1
1 E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	1		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S			1
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	1		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	1		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	1		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	1		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S	1		
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			1
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			1
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			1
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W			1
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			1
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W			0
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			0
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			0
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			0

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			0
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			0
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			0
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			0
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			0
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			0
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			0
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			0
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			0
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			0
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			0
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			0
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			0
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			0
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			0
D-174	For the final casing string, did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			0
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			0
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			0
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			0
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			0
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			0
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			0

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			0
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			0
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			0
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			0
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			0
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			0
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			0
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			0
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			0
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			0
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			0
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			0
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S	2		
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S	2		
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S	1		
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W	1		
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			0
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			0
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			0
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			0
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			0
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			0
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			0
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			0
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			0
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			0
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			0
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			0
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			0

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			0
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			0
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			0
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			0
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			0
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			0
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			0
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			0
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			0
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			0
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			0
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			0
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			0
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			0
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			0
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			0
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			0
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			0
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			0
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			0
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			0
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			0
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			0
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			0
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			0
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			0

<u>INC#</u>	<u>WELL-CONTROL DRILLS</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			0
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W			0
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			0
	<u>DIVERTER SYSTEMS</u>				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			0
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			0
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, actuation-tested and the vent lines flow tested when installed? 30 CFR 250.433	W			0
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			0
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			0
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			0
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			0
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			0
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			0
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			0
D-314	Is the control station used during the diverter test or actuation identified? 30 CFR 250.434(c)	W			0
	<u>SURFACE DIVERTER SYSTEM</u>				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			0
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			0
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			0
D-322	Is the spool outlet and diverter line nominal diameter at least 10 inches for surface wellhead configurations and at least 12 inches for floating drilling operations? 30 CFR 250.431(a)	S			0
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			0
D-326	Is diverter sealing elements and diverter valves pressure tested to a minimum of 200 psi when nipped up on conductor casing, with no more than 7 days elapsed time between subsequent tests? 30 CFR 250.433(a)	W/S			0
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for surface diverter systems? 30 CFR 250.433(a), 250.433(c)	W			0
D-334	Is vessel heading maintained to allow for downwind diversion on dynamically-positions drill ships? 30 CFR 250.432(d)	S			0
	<u>DRILLING FLUID PROGRAM</u>				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W			0
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level decreases the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a lower decrease in hydrostatic pressure? 30 CFR 250.456(c)	W			0
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			0

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			0
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W			0
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S			0
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			0
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			0
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			0
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S			0
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S			0
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S			0
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S			0
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	1		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	1		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			0
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S			0
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S			0
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S			0
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S			0
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S			0
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S			0
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			0
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S			0
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S			0
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			0

INC#	SUPERVISION, SURVEILLANCE, AND TRAINING	CODE	YES	NO	N/A
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	1		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	1		
	APPLICATION FOR PERMIT TO DRILL				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S	1		
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			0
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	0		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			0
	BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			0
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			0
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			0
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			0
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			0
	SUBSEA BOP SYSTEMS				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			0
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			0
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			0
	STUMP TEST				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			0
	INITIAL INSTALLATION TEST				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			0
	HYDROGEN SULFIDE				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S			0
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S			0
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C			0

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C			0
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C			0
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C			0
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W			0
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W			0
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C			0
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			0
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card ? 30 CFR 250.490(g)(2)(i, ii)	W			0
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility ? 30 CFR 250.490(k)(3)(i)	W			0
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C			0
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C			0
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S			0
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			0
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S			0
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S			0
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S			0
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S			0
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C			0
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C			0
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C			0
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W			0
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S			0
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W			0
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S			0
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C			0
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C			0

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C			0
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C			0
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S			0
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S			0
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S			0
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W			0
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W			0
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S			0
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S			0
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S			0
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			0
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W			0
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S			0
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S			0
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			0
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S			0
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			0
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S			0
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			0
H-160	When conducting coring operations , is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			0
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			0
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			0
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			0
H-164	During stripping operations , is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			0
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			0
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			0

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			0
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S			0
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W			0
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W			0
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W			0
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W			0
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S			0
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months ? 30 CFR 250.490(j)(11)(iv)	W/S			0
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W			0
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			0
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			0
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S			0

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Daily Report
10/13/2012

- Cemented 30" casing. WOC
- Picked up running tool and BHA OOH.

Next 24 Hours: Waiting on weather to move 30" BHA off rig floor and move 26" hole opener assembly to rig floor. Waiting to take on supplies as well.

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer INSPECTION DATE 10/13/2012

INSPECTORS NAME Michael Shank

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	X		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	X		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	X		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	X		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	X		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	X		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	X		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	X		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C			X
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			X
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			X
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C			X
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C			X
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	X		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	X		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	X		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	X		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	X		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	X		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	X		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	X		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	X		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	X		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	X		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C	X		
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C	X		

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C	X		
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C	X		
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W	X		
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			X
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	X		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S	X		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	X		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	X		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	X		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	X		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	X		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	X		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S			X
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			X
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			X
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			X
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W	X		
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			X
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W	X		
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S	X		
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			X
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			X

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W	X		
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W	X		
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S	X		
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			X
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			X
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			X
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			X
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			X
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			X
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			X
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			X
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			X
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			X
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			X
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			X
D-174	For the final casing string , did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S	X		
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			X
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			X
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			X
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			X
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			X
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			X

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			X
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			X
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			X
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			X
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			X
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			X
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			X
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			X
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			X
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			X
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			X
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			X
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			X
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			X
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S			X
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			X
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			X
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			X
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			X
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			X
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			X
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			X
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			X
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			X
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			X
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			X
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			X
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			X
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			X

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			X
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			X
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			X
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			X
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			X
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			X
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			X
D-254	When the BOP test are postponed due to well control problems, is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			X
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			X
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			X
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			X
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			X
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			X
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			X
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes, 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			X
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			X
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			X
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			X
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			X
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			X
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			X
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			X
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			X
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			X
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			X
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			X

INC#	WELL-CONTROL DRILLS	CODE	YES	NO	N/A
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			X
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	X		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			X
	DIVERTER SYSTEMS				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			X
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			X
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, actuation-tested and the vent lines flow tested when installed? 30 CFR 250.433	W			X
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			X
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			X
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			X
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			X
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			X
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			X
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			X
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			X
D-314	Is the control station used during the diverter test or actuation identified? 30 CFR 250.434(c)	W			X
	SURFACE DIVERTER SYSTEM				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			X
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			X
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			X
D-322	Is the spool outlet and diverter line nominal diameter at least 10 inches for surface wellhead configurations and at least 12 inches for floating drilling operations? 30 CFR 250.431(a)	S			X
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			X
D-326	Is diverter sealing elements and diverter valves pressure tested to a minimum of 200 psi when nipped up on conductor casing, with no more than 7 days elapsed time between subsequent tests? 30 CFR 250.433(a)	W/S			X
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for surface diverter systems? 30 CFR 250.433(a), 250.433(c)	W			X
D-334	Is vessel heading maintained to allow for downwind diversion on dynamically-positions drill ships? 30 CFR 250.432(d)	S			X
	DRILLING FLUID PROGRAM				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W	X		
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level decreases the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a lower decrease in hydrostatic pressure? 30 CFR 250.456(c)	W	X		
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W	X		

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W	X		
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	X		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	X		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			X
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			X
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			X
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	X		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	X		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	3		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	X		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	X		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			X
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	X		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	X		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	X		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	X		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	5		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	X		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			X
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	X		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	12		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			X

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	X		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	X		
<u>APPLICATION FOR PERMIT TO DRILL</u>					
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S			X
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			X
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	X		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			X
<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>					
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			X
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			X
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			X
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			X
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			X
<u>SUBSEA BOP SYSTEMS</u>					
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			X
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			X
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			X
<u>STUMP TEST</u>					
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			X
<u>INITIAL INSTALLATION TEST</u>					
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			X
<u>HYDROGEN SULFIDE</u>					
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	X		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	X		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	X		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	X		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	X		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	X		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	X		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W	X		
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	X		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			X
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card? 30 CFR 250.490(g)(2)(i, ii)	W	X		
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W	X		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	X		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C	X		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			X
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	X		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	X		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	X		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	X		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	X		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	X		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	X		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	X		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C	X		
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C	X		

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C	X		
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C	X		
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S	X		
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	X		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	X		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	X		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	X		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	X		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	X		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W	X		
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	X		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S	X		
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			X
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	X		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			X
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S	X		
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			X
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			X
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			X
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			X
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			X
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			X
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			X
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			X

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			X
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S	X		
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W	X		
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W	X		
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W	X		
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W	X		
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S	X		
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months ? 30 CFR 250.490(j)(11)(iv)	W/S	X		
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W	X		
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			X
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			X
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S	X		

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Public Information

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
OMB Approval Expires 10/31/2014

WELL ACTIVITY REPORT

RECEIVED

BEGINNING DATE: 10/13/2012

ENDING DATE: 10/14/2012

OCT 16 2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

CORRECTION CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT

GENERAL INFORMATION

1. API WELL NO. (10 digits) 55-352-0000200			2. OPERATOR NAME Shell Gulf of Mexico Inc		
3. WELL NAME Posey 6764 OCS-Y 2280 001	4. SIDETRACK NO. 00	5. BYPASS NO. 00	6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com		
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer			8. WATER DEPTH (surveyed) (ft) 150	9. ELEVATION AT KB (Surveyed) (ft) 48.5	

10. CURRENT WELLBORE INFORMATION

SURFACE					BOTTOM						
LEASE NO.	AREA NAME	BLOCK NO.		LEASE NO.	BLOCK NO.						
OCS Y-2280	Posey	6764		OCS Y-2280	6764						
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					N/A				N/A	N/A	N/A

11. WELLBORE HISTORICAL INFORMATION

WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD
	OCS Y-2280					

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY
Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

None of the following have occurred:

- ▮ Wireline logs (Report when acquired)**
- ▮ Wireline Directionals (Report when acquired)**
- ▮ Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)**
- ▮ Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)**
- ▮ PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)**

Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

<input type="checkbox"/> Kick Occurrence	<input type="checkbox"/> Well Control Equipment Failure
<input type="checkbox"/> Shallow Water Flow	<input type="checkbox"/> H ₂ S Encounter
<input type="checkbox"/> Weather and Oceanographic Conditions	<input type="checkbox"/> New Technology Failure
<input type="checkbox"/> General Rig Equipment Failure	<input type="checkbox"/> Stuck Pipe
<input type="checkbox"/> Lost Returns	<input type="checkbox"/> Wellbore Integrity Failure
<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other

Public Information

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Public Information

U.S. Department of the Interior
 Bureau of Safety and Environmental
 Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
 OMB Approval Expires 10/31/2014

RECEIVED

OCT 16 2012

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

WELL ACTIVITY REPORT

BEGINNING DATE: 10/13/2012 **ENDING DATE:** 10/13/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-171-0001300						2. OPERATOR NAME Shell Offshore, Inc					
3. WELL NAME <small>OCS-Y 1805 #001 (Sivulliq N)</small>		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS Shawn Gelsinger/713.594.8531/					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Shell Kulluk						8. WATER DEPTH (surveyed) (ft) 106		9. ELEVATION AT KB (Surveyed) (ft) 68			
10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.		BLOCK NO.			
<small>OCS-Y 1805 #001 (Sivulliq N)</small>		Flaxman Island		6658		OCS-Y 1805		6658			
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					n/a				n/a	n/a	n/a
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS-Y 1805										

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY
Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

None of the following have occurred:

- ! Wireline logs (Report when acquired)
- ! Wireline Directionals (Report when acquired)
- ! Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
- ! Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
- ! PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)

Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

<input type="checkbox"/> Kick Occurrence	<input type="checkbox"/> Well Control Equipment Failure
<input type="checkbox"/> Shallow Water Flow	<input type="checkbox"/> H ₂ S Encounter
<input type="checkbox"/> Weather and Oceanographic Conditions	<input type="checkbox"/> New Technology Failure
<input type="checkbox"/> General Rig Equipment Failure	<input type="checkbox"/> Stuck Pipe
<input type="checkbox"/> Lost Returns	<input type="checkbox"/> Wellbore Integrity Failure
<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Tankersley, Yolanda J

From: Miller, Chet
Sent: Sunday, October 14, 2012 6:27 AM
To: Monkeliën, Kyle; Fesmire, Mark E; Howell, Randy; Crumrine, Kathleen; Shank, Michael L
Subject: Kulluk daily report

Last 24 hr. Land MLC on bottom. (b) (4), (b) (9)

Cable broke on riser arm.

Boat here to offload waste water and supplies.

Plan next 24hr. Fish cable using ROV. Repair same. (b) (4), (b) (9)

From: [Shank, Michael L](#)
To: [Fesmire, Mark E](#); [Monkelien, Kyle](#); [Miller, Chet](#); [Crumrine, Kathleen](#); [Walker, Jeffrey](#); [Howell, Randy](#)
Subject: Daily Report
Date: Sunday, October 14, 2012 9:10:14 AM

Daily Report
10/13/2012

- Cemented 30" casing. WOC
- Picked up running tool and BHA OOH.

Next 24 Hours: Waiting on weather to move 30" BHA off rig floor and move 26" hole opener assembly to rig floor. Waiting to take on supplies as well.

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME ___ Kulluk ___ **INSPECTION DATE** ___ 10-14-12

INSPECTORS NAME: Chet Miller

MODIFIED August 2012

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	1		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	1		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	1		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	1		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	1		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	1		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	1		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	1		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C	10		
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			10
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C	10		
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C	10		
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C	3		7
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	1		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	1		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	1		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	1		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	1		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	1		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C			1
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C			1
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C			1
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C			1
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C			1
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C			1
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C			1

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C			1
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C			1
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W			1
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			1
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	1		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved? 30 CFR 250.300(b)(2)	C/S			1
1 E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	1		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S			1
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	1		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	1		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	1		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	1		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S	1		
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			1
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells? 30 CFR 250.461(a)(2)	S			1
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			1
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W			1
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			1
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved? 30 CFR 250.420	W			0
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			0
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			0
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained? 30 CFR 250.427(b)	W/S			0

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			0
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			0
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			0
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			0
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			0
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			0
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			0
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			0
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			0
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			0
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			0
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			0
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			0
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			0
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			0
D-174	For the final casing string , did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			0
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			0
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			0
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			0
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			0
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			0
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			0

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			0
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			0
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			0
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			0
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			0
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			0
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			0
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			0
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			0
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			0
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			0
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			0
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S	2		
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S	2		
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S	1		
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W	1		
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			0
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			0
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			0
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			0
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			0
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			0
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			0
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			0
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			0
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			0
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			0
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			0
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			0

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			0
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			0
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			0
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			0
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			0
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			0
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			0
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			0
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			0
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			0
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			0
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			0
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			0
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			0
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			0
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			0
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			0
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			0
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			0
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			0
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			0
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			0
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			0
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			0
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			0
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			0

<u>INC#</u>	<u>WELL-CONTROL DRILLS</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			0
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W			0
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			0
	<u>DIVERTER SYSTEMS</u>				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			0
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			0
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, <u>actuation-tested</u> and the vent lines flow tested when installed? 30 CFR 250.433	W			0
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			0
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			0
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			0
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			0
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			0
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			0
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			0
D-314	Is the control station used during the diverter test or actuation <u>identified</u> ? 30 CFR 250.434(c)	W			0
	<u>SURFACE DIVERTER SYSTEM</u>				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			0
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			0
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			0
D-322	Is the spool outlet and diverter line nominal diameter at <u>least 10 inches</u> for surface wellhead configurations and at <u>least 12 inches for floating drilling operations</u> ? 30 CFR 250.431(a)	S			0
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			0
D-326	Is diverter sealing elements and diverter valves pressure tested to a <u>minimum of 200 psi</u> when nipped up on conductor casing, with no more than <u>7 days elapsed time</u> between subsequent tests? 30 CFR 250.433(a)	W/S			0
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, <u>conducted at least once every 24 hour period alternating between control stations for surface diverter systems</u> ? 30 CFR 250.433(a), 250.433(c)	W			0
D-334	Is vessel heading maintained to allow for downwind diversion on <u>dynamically-positions drill ships</u> ? 30 CFR 250.432(d)	S			0
	<u>DRILLING FLUID PROGRAM</u>				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation <u>was not</u> necessary? 30 CFR 250.456(a)	W			0
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level <u>decreases the hydrostatic pressure by 75 psi</u> , or <u>every 5 stands of drill pipe</u> , whichever gives a <u>lower decrease in hydrostatic pressure</u> ? 30 CFR 250.456(c)	W			0
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			0

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			0
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W			0
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S			0
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			0
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			0
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			0
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S			0
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S			0
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S			0
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S			0
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	1		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	1		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			0
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S			0
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S			0
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S			0
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S			0
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S			0
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S			0
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			0
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S			0
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S			0
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			0

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	1		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	1		
<u>APPLICATION FOR PERMIT TO DRILL</u>					
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S	1		
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			0
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	0		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			0
<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>					
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			0
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			0
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			0
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			0
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			0
<u>SUBSEA BOP SYSTEMS</u>					
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			0
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			0
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			0
<u>STUMP TEST</u>					
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			0
<u>INITIAL INSTALLATION TEST</u>					
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			0
<u>HYDROGEN SULFIDE</u>					
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S			0
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S			0
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C			0

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C			0
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C			0
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C			0
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W			0
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W			0
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C			0
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			0
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card ? 30 CFR 250.490(g)(2)(i, ii)	W			0
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility ? 30 CFR 250.490(k)(3)(i)	W			0
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C			0
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C			0
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S			0
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more ? 30 CFR 250.490(i)(2)(i)	W/S			0
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate ? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S			0
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S			0
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S			0
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S			0
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C			0
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C			0
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C			0
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel ? 30 CFR 250.490(k)(1)(i)	W			0
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S			0
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W			0
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use ? 30 CFR 250.490(j)(13)(iv)	C/S			0
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member ? 30 CFR 250.490(j)(13)(vii)	C			0
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan ? 30 CFR 250.490(j)(13)(viii)	C			0

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C			0
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C			0
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S			0
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S			0
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S			0
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W			0
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W			0
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S			0
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S			0
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S			0
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			0
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W			0
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S			0
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S			0
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			0
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S			0
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			0
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S			0
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			0
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			0
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			0
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			0
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			0
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			0
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			0
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			0

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			0
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S			0
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W			0
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W			0
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W			0
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W			0
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S			0
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months? 30 CFR 250.490(j)(11)(iv)	W/S			0
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W			0
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			0
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			0
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S			0

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Drilling MLC drilled 17 foot broke guide cable replaced same.

Drilling ahead.

Daily Report
10/14/2012

-Laid down some BHA tools, waiting on weather conditions to continue laying down 36" BHA and picking up 26" BHA.

Next 24 Hours: Crew change and supply transfers; moving BHA components.

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer INSPECTION DATE 10/14/2012

INSPECTORS NAME Michael Shank

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	X		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	X		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	X		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	X		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	X		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	X		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	X		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	X		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C			X
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			X
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			X
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C			X
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C			X
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	X		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	X		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	X		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	X		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	X		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	X		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	X		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	X		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	X		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	X		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	X		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C	X		
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C	X		

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C	X		
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C	X		
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W	X		
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			X
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	X		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S	X		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	X		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	X		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	X		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	X		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	X		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	X		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S			X
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			X
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			X
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			X
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W	X		
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			X
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W	X		
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S	X		
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			X
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			X

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W	X		
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W	X		
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S	X		
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.421(c)	W/S			X
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.423(a)	W/S			X
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			X
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			X
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			X
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W	X		
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			X
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			X
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			X
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			X
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			X
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			X
D-174	For the final casing string, did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S	X		
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			X
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			X
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			X
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			X
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			X
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			X

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			X
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			X
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			X
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			X
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			X
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			X
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			X
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			X
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			X
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			X
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			X
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			X
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			X
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			X
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S			X
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			X
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			X
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			X
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			X
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			X
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			X
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			X
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			X
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			X
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			X
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			X
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			X
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			X
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			X

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			X
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			X
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			X
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			X
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			X
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			X
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			X
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			X
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			X
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			X
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			X
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			X
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			X
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			X
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			X
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			X
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			X
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			X
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			X
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			X
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			X
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			X
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			X
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			X
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			X
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			X

INC#	WELL-CONTROL DRILLS	CODE	YES	NO	N/A
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			X
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	X		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			X
	DIVERTER SYSTEMS				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			X
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			X
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, actuation-tested and the vent lines flow tested when installed? 30 CFR 250.433	W			X
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			X
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			X
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			X
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			X
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			X
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			X
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			X
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			X
D-314	Is the control station used during the diverter test or actuation identified? 30 CFR 250.434(c)	W			X
	SURFACE DIVERTER SYSTEM				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			X
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			X
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			X
D-322	Is the spool outlet and diverter line nominal diameter at least 10 inches for surface wellhead configurations and at least 12 inches for floating drilling operations? 30 CFR 250.431(a)	S			X
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			X
D-326	Is diverter sealing elements and diverter valves pressure tested to a minimum of 200 psi when nipped up on conductor casing, with no more than 7 days elapsed time between subsequent tests? 30 CFR 250.433(a)	W/S			X
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for surface diverter systems? 30 CFR 250.433(a), 250.433(c)	W			X
D-334	Is vessel heading maintained to allow for downwind diversion on dynamically-positions drill ships? 30 CFR 250.432(d)	S			X
	DRILLING FLUID PROGRAM				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W	X		
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level decreases the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a lower decrease in hydrostatic pressure? 30 CFR 250.456(c)	W	X		
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W	X		

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W	X		
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	X		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	X		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			X
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			X
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			X
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	X		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	X		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	3		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	X		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	X		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			X
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	X		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	X		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	X		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	X		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	5		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	X		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			X
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	X		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	12		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			X

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	X		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	X		
<u>APPLICATION FOR PERMIT TO DRILL</u>					
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S			X
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			X
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	X		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			X
<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>					
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			X
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			X
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			X
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			X
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			X
<u>SUBSEA BOP SYSTEMS</u>					
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			X
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			X
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			X
<u>STUMP TEST</u>					
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			X
<u>INITIAL INSTALLATION TEST</u>					
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			X
<u>HYDROGEN SULFIDE</u>					
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	X		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	X		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	X		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	X		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	X		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	X		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	X		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W	X		
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	X		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			X
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card ? 30 CFR 250.490(g)(2)(i, ii)	W	X		
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility ? 30 CFR 250.490(k)(3)(i)	W	X		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	X		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C	X		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			X
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	X		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	X		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	X		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	X		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	X		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	X		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	X		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	X		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C	X		
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C	X		

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C	X		
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C	X		
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S	X		
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	X		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	X		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	X		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	X		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	X		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	X		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W	X		
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	X		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S	X		
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			X
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	X		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			X
H-157	Is gas containing H2S not used for instrument gas, and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S	X		
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			X
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			X
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			X
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			X
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			X
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			X
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			X
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			X

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			X
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S	X		
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W	X		
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W	X		
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W	X		
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W	X		
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S	X		
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months? 30 CFR 250.490(j)(11)(iv)	W/S	X		
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W	X		
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			X
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			X
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S	X		

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Public Information

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
OMB Approval Expires 10/31/2014

WELL ACTIVITY REPORT

RECEIVED

OCT 16 2012

BEGINNING DATE: 10/14/2012 ENDING DATE: 10/15/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

CORRECTION CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT

GENERAL INFORMATION

1. API WELL NO. (10 digits) 55-352-0000200		2. OPERATOR NAME Shell Gulf of Mexico Inc	
3. WELL NAME Posey 6764 OCS-Y 2280 001	4. SIDETRACK NO. 00	5. BYPASS NO. 00	6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer		8. WATER DEPTH (surveyed) (ft) 150	9. ELEVATION AT KB (Surveyed) (ft) 48.5

10. CURRENT WELLBORE INFORMATION

SURFACE					BOTTOM						
LEASE NO.	AREA NAME	BLOCK NO.		LEASE NO.	BLOCK NO.						
OCS Y-2280	Posey	6764		OCS Y-2280	6764						
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
											LOW
					N/A				N/A	N/A	N/A

11. WELLBORE HISTORICAL INFORMATION

WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD
	OCS Y-2280					

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY
Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

- None** of the following have occurred:
- Wireline logs (Report when acquired)
 - Wireline Directionals (Report when acquired)
 - Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
 - Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
 - PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)
- Any** of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

- | | |
|---|---|
| <input type="checkbox"/> Kick Occurrence | <input type="checkbox"/> Well Control Equipment Failure |
| <input type="checkbox"/> Shallow Water Flow | <input type="checkbox"/> H ₂ S Encounter |
| <input type="checkbox"/> Weather and Oceanographic Conditions | <input type="checkbox"/> New Technology Failure |
| <input type="checkbox"/> General Rig Equipment Failure | <input type="checkbox"/> Stuck Pipe |
| <input type="checkbox"/> Lost Returns | <input type="checkbox"/> Wellbore Integrity Failure |
| <input type="checkbox"/> Station Keeping Failure | <input type="checkbox"/> Other |

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Public Information

U.S. Department of the Interior
 Bureau of Safety and Environmental
 Enforcement (BSEE)

Submit **ORIGINAL**

OMB control Number 1014-0018
 OMB Approval Expires 10/31/2014

RECEIVED

OCT 16 2012

WELL ACTIVITY REPORT

BEGINNING DATE: 10/14/2012 **ENDING DATE:** 10/14/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-171-0001300						2. OPERATOR NAME Shell Offshore, Inc					
3. WELL NAME <small>OCS-Y 1805 #001 (Sivulliq N)</small>		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS Shawn Gelsinger/713.594.8531/					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Shell Kulluk						8. WATER DEPTH (surveyed) (ft) 106			9. ELEVATION AT KB (Surveyed) (ft) 68		
10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.				BLOCK NO.	
<small>OCS-Y 1805 #001 (Sivulliq N)</small>		Flaxman Island		6658		OCS-Y 1805				6658	
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					n/a				n/a	n/a	n/a
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS-Y 1805										

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY
Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

None of the following have occurred:

- Wireline logs (Report when acquired)
- Wireline Directionals (Report when acquired)
- Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
- Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
- IPVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)

Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

<input type="checkbox"/> Kick Occurrence	<input type="checkbox"/> Well Control Equipment Failure
<input type="checkbox"/> Shallow Water Flow	<input type="checkbox"/> H ₂ S Encounter
<input type="checkbox"/> Weather and Oceanographic Conditions	<input type="checkbox"/> New Technology Failure
<input type="checkbox"/> General Rig Equipment Failure	<input type="checkbox"/> Stuck Pipe
<input type="checkbox"/> Lost Returns	<input type="checkbox"/> Wellbore Integrity Failure
<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Shank, Michael L

From: Monkeliën, Kyle
Sent: Monday, October 15, 2012 7:06 AM
To: Shank, Michael L
Cc: Fesmire, Mark E (Mark.Fesmire@bsee.gov); Howell, Randy (Randy.Howell@bsee.gov); Miller, Chet
Subject: RE: Approval format

Have the company man note in the IADC report that approval was received from BSEE to continue drilling operations. That along with this is sufficient to document the decision.

Kyle

From: Shank, Michael L
Sent: Sunday, October 14, 2012 2:57 PM
To: Monkeliën, Kyle; Fesmire, Mark E; Howell, Randy; Miller, Chet
Subject: Approval format

After reviewing the current status of the Burger A well, I have established that the lessee has met the requirements under all applicable regulations, permits, and the conditions set in the approval letter to the APD. Therefore, I have granted approval for the lessee to drill beyond the 30" casing shoe and continue drilling the 26" section.

The Shell company man has asked that we provide our approval in a written format. Randy and Kyle: you have both granted approvals similar to this one. How did you provide the written component? Thanks.

-Mike

From: [Shank, Michael L](#)
To: [Fesmire, Mark E](#); [Monkelien, Kyle](#); [Miller, Chet](#); [Crumrine, Kathleen](#); [Walker, Jeffrey](#); [Howell, Randy](#)
Subject: Daily Report
Date: Monday, October 15, 2012 7:27:46 AM

Daily Report
10/14/2012

-Laid down some BHA tools, waiting on weather conditions to continue laying down 36" BHA and picking up 26" BHA.

Next 24 Hours: Crew change and supply transfers; moving BHA components.

Shank, Michael L

From: Shank, Michael L
Sent: Monday, October 15, 2012 7:37 AM
To: 'Loyd.Wallace@shell.com'
Cc: Fesmire, Mark E; Monkeliën, Kyle; Howell, Randy; Miller, Chet
Subject: Approval to drill ahead with the 26" hole

After reviewing the current status of the Burger A well, I have established that the lessee has met the requirements under all applicable regulations, permits, and the conditions set in the approval letter to the APD. Therefore, I grant approval for the lessee to drill beyond the 30" casing shoe and continue drilling the 26" section.

Michael Shank
Petroleum Engineer
BSEE Alaska Region
907-334-5223
Michael.shank@bsee.gov

Tankersley, Yolanda J

From: Miller, Chet
Sent: Monday, October 15, 2012 8:25 AM
To: Monkeliën, Kyle; Fesmire, Mark E; Howell, Randy; Shank, Michael L; Crumrine, Kathleen; Walker, Jeffrey
Subject: Kulluk Morning report

10-15-12

(b) (4), (b) (9)

Plan ahead 24 hr. Drill rest of hole section POOH with riser and laydown same. P/U 36 inch and clean out

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Kulluk **INSPECTION DATE** 10-15-12

INSPECTORS NAME: Chet Miller

MODIFIED August 2012

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	1		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	1		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	1		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	1		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	1		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	1		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	1		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	1		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C	10		
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			10
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C	10		
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C	10		
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C	3		7
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	1		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	1		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	1		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	1		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	1		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	1		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C			1
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C			1
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C			1
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C			1
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C			1
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C			1
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C			1

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C			1
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C			1
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W			1
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			1
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	1		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S			1
1 E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	1		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S			1
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	1		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	1		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	1		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	1		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S	1		
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			1
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			1
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			1
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W			1
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			1
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W			0
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			0
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			0
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			0

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			0
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			0
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			0
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			0
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			0
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			0
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			0
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			0
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			0
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			0
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			0
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			0
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			0
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			0
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			0
D-174	For the final casing string , did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			0
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			0
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			0
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			0
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			0
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			0
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			0

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			0
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			0
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			0
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			0
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			0
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			0
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			0
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			0
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			0
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			0
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			0
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			0
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S	2		
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S	2		
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S	1		
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W	1		
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			0
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			0
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			0
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			0
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			0
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			0
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			0
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			0
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			0
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			0
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			0
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			0
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			0

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			0
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			0
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			0
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			0
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			0
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			0
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			0
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			0
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			0
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			0
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			0
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			0
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			0
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			0
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			0
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			0
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			0
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			0
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			0
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			0
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			0
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			0
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			0
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			0
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			0
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			0

<u>INC#</u>	<u>WELL-CONTROL DRILLS</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			0
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W			0
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			0
	<u>DIVERTER SYSTEMS</u>				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			0
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			0
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, actuation-tested and the vent lines flow tested when installed? 30 CFR 250.433	W			0
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			0
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			0
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			0
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			0
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			0
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			0
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			0
D-314	Is the control station used during the diverter test or actuation identified? 30 CFR 250.434(c)	W			0
	<u>SURFACE DIVERTER SYSTEM</u>				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			0
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			0
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			0
D-322	Is the spool outlet and diverter line nominal diameter at least 10 inches for surface wellhead configurations and at least 12 inches for floating drilling operations? 30 CFR 250.431(a)	S			0
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			0
D-326	Is diverter sealing elements and diverter valves pressure tested to a minimum of 200 psi when nipped up on conductor casing, with no more than 7 days elapsed time between subsequent tests? 30 CFR 250.433(a)	W/S			0
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for surface diverter systems? 30 CFR 250.433(a), 250.433(c)	W			0
D-334	Is vessel heading maintained to allow for downwind diversion on dynamically-positions drill ships? 30 CFR 250.432(d)	S			0
	<u>DRILLING FLUID PROGRAM</u>				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W			0
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level decreases the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a lower decrease in hydrostatic pressure? 30 CFR 250.456(c)	W			0
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			0

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			0
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W			0
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S			0
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			0
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			0
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			0
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S			0
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S			0
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S			0
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S			0
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	1		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	1		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			0
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S			0
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S			0
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S			0
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S			0
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S			0
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S			0
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			0
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S			0
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S			0
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			0

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	1		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	1		
	<u>APPLICATION FOR PERMIT TO DRILL</u>				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S	1		
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			0
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	0		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			0
	<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			0
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			0
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			0
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			0
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			0
	<u>SUBSEA BOP SYSTEMS</u>				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			0
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			0
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			0
	<u>STUMP TEST</u>				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			0
	<u>INITIAL INSTALLATION TEST</u>				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			0
	<u>HYDROGEN SULFIDE</u>				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S			0
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S			0
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C			0

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C			0
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C			0
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C			0
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W			0
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W			0
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C			0
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			0
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card ? 30 CFR 250.490(g)(2)(i, ii)	W			0
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility ? 30 CFR 250.490(k)(3)(i)	W			0
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C			0
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C			0
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S			0
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more ? 30 CFR 250.490(i)(2)(i)	W/S			0
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S			0
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S			0
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S			0
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S			0
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C			0
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C			0
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C			0
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W			0
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S			0
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W			0
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S			0
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C			0
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C			0

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C			0
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C			0
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S			0
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S			0
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S			0
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W			0
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W			0
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S			0
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S			0
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S			0
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			0
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W			0
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S			0
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S			0
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			0
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S			0
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			0
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S			0
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			0
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			0
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			0
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			0
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			0
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			0
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			0
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			0

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			0
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S			0
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W			0
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W			0
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W			0
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W			0
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S			0
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months ? 30 CFR 250.490(j)(11)(iv)	W/S			0
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W			0
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			0
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			0
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S			0

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Drilling MLC

Daily Report
10/15/2012

- Moved all of the 36" BHA to the deck. Picked up most of the 26" BHA.
- ROV cable was damaged when it was being lifted onto its platform.

Next 24 Hours: Repair ROV cable, they are looking into bringing in the Fennica to use its ROV in the meantime; finish picking up 26" BHA; stab back into the hole.

Temperatures continue to decrease limiting crane usage. Took on water and supplies from the Harvey Spirit.

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer INSPECTION DATE 10/15/2012

INSPECTORS NAME Michael Shank

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	X		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	X		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	X		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	X		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	X		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	X		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	X		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	X		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C			X
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			X
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			X
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C			X
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C			X
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	X		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	X		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	X		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	X		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	X		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	X		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	X		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	X		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	X		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	X		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	X		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C	X		
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C	X		

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C	X		
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C	X		
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W	X		
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			X
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	X		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S	X		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	X		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	X		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	X		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	X		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	X		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	X		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S			X
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			X
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			X
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			X
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W	X		
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			X
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W	X		
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S	X		
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			X
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			X

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W	X		
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W	X		
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S	X		
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.421(c)	W/S			X
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.423(a)	W/S			X
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			X
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			X
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			X
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W	X		
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			X
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			X
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			X
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			X
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			X
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			X
D-174	For the final casing string, did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S	X		
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			X
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			X
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			X
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			X
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			X
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			X

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			X
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			X
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			X
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			X
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			X
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			X
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			X
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			X
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			X
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			X
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			X
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			X
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			X
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			X
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S			X
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			X
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			X
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			X
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			X
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			X
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			X
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			X
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			X
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			X
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			X
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			X
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			X
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			X
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			X

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			X
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			X
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			X
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			X
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			X
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			X
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			X
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			X
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			X
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			X
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			X
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			X
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			X
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			X
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			X
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			X
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			X
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			X
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			X
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			X
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			X
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			X
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			X
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			X
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			X
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			X

INC#	WELL-CONTROL DRILLS	CODE	YES	NO	N/A
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			X
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	X		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			X
	DIVERTER SYSTEMS				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			X
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			X
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, actuation-tested and the vent lines flow tested when installed? 30 CFR 250.433	W			X
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			X
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			X
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			X
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			X
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			X
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			X
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			X
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			X
D-314	Is the control station used during the diverter test or actuation identified? 30 CFR 250.434(c)	W			X
	SURFACE DIVERTER SYSTEM				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			X
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			X
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			X
D-322	Is the spool outlet and diverter line nominal diameter at least 10 inches for surface wellhead configurations and at least 12 inches for floating drilling operations? 30 CFR 250.431(a)	S			X
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			X
D-326	Is diverter sealing elements and diverter valves pressure tested to a minimum of 200 psi when nipped up on conductor casing, with no more than 7 days elapsed time between subsequent tests? 30 CFR 250.433(a)	W/S			X
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for surface diverter systems? 30 CFR 250.433(a), 250.433(c)	W			X
D-334	Is vessel heading maintained to allow for downwind diversion on dynamically-positions drill ships? 30 CFR 250.432(d)	S			X
	DRILLING FLUID PROGRAM				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W	X		
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level decreases the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a lower decrease in hydrostatic pressure? 30 CFR 250.456(c)	W	X		
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W	X		

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W	X		
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	X		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	X		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			X
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			X
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			X
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	X		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	X		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	3		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	X		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	X		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			X
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	X		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	X		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	X		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	X		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	5		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	X		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			X
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	X		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	12		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			X

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	X		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	X		
<u>APPLICATION FOR PERMIT TO DRILL</u>					
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S			X
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			X
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	X		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			X
<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>					
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			X
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			X
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			X
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			X
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			X
<u>SUBSEA BOP SYSTEMS</u>					
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			X
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			X
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			X
<u>STUMP TEST</u>					
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			X
<u>INITIAL INSTALLATION TEST</u>					
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			X
<u>HYDROGEN SULFIDE</u>					
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	X		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	X		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	X		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	X		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	X		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	X		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	X		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W	X		
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	X		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			X
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card ? 30 CFR 250.490(g)(2)(i, ii)	W	X		
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility ? 30 CFR 250.490(k)(3)(i)	W	X		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	X		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C	X		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			X
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	X		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	X		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	X		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	X		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	X		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	X		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	X		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	X		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C	X		
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C	X		

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C	X		
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C	X		
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S	X		
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	X		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	X		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	X		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	X		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	X		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	X		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W	X		
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	X		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S	X		
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			X
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	X		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			X
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S	X		
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			X
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			X
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			X
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			X
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			X
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			X
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			X
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			X

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			X
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S	X		
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W	X		
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W	X		
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W	X		
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W	X		
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S	X		
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months ? 30 CFR 250.490(j)(11)(iv)	W/S	X		
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W	X		
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			X
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			X
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S	X		

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Public Information

U.S. Department of the Interior
 Bureau of Safety and Environmental
 Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
 OMB Approval Expires 10/31/2014

WELL ACTIVITY REPORT

RECEIVED

BEGINNING DATE: 10/15/2012 **ENDING DATE:** 10/16/2012

OCT 18 2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

CORRECTION CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT

GENERAL INFORMATION

1. API WELL NO. (10 digits) 55-352-0000200			2. OPERATOR NAME Shell Gulf of Mexico Inc		
3. WELL NAME Posey 6764 OCS-Y 2280 001	4. SIDETRACK NO. 00	5. BYPASS NO. 00	6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com		
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer			8. WATER DEPTH (surveyed) (ft) 150	9. ELEVATION AT KB (Surveyed) (ft) 48.5	

10. CURRENT WELLBORE INFORMATION

SURFACE					BOTTOM						
LEASE NO.	AREA NAME	BLOCK NO.			LEASE NO.	BLOCK NO.					
OCS Y-2280	Posey	6764			OCS Y-2280	6764					
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
											LOW
					N/A				N/A	N/A	N/A

11. WELLBORE HISTORICAL INFORMATION

WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD
	OCS Y-2280					

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD

TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY

Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

- None** of the following have occurred:
- ▮ Wireline logs (Report when acquired)
 - ▮ Wireline Directionals (Report when acquired)
 - ▮ Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
 - ▮ Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
 - ▮ PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)
- Any** of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

- | | |
|---|---|
| <input type="checkbox"/> Kick Occurrence | <input type="checkbox"/> Well Control Equipment Failure |
| <input type="checkbox"/> Shallow Water Flow | <input type="checkbox"/> H ₂ S Encounter |
| <input type="checkbox"/> Weather and Oceanographic Conditions | <input type="checkbox"/> New Technology Failure |
| <input type="checkbox"/> General Rig Equipment Failure | <input type="checkbox"/> Stuck Pipe |
| <input type="checkbox"/> Lost Returns | <input type="checkbox"/> Wellbore Integrity Failure |
| <input type="checkbox"/> Station Keeping Failure | <input type="checkbox"/> Other |

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 ~~et seq.~~) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
OMB Approval Expires 10/31/2014



WELL ACTIVITY REPORT

BEGINNING DATE: 10/15/2012 ENDING DATE: 10/15/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

OCT 16 2012

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-171-0001300						2. OPERATOR NAME Shell Offshore, Inc					
3. WELL NAME OCS-Y 1805 #001 (Sivulliq N)		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS Shawn Gelsinger/713.594.8531/					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Shell Kulluk						8. WATER DEPTH (surveyed) (ft) 106			9. ELEVATION AT KB (Surveyed) (ft) 68		
10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.				BLOCK NO.	
OCS-Y 1805 #001 (Sivulliq N)		Flaxman Island		6658		OCS-Y 1805				6658	
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD*	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					n/a				n/a	n/a	n/a
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS-Y 1805										

WELL ACTIVITY REPORT

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| <input type="checkbox"/> General Rig Equipment Failure | <input type="checkbox"/> Stuck Pipe |
| <input type="checkbox"/> Lost Returns | <input type="checkbox"/> Wellbore Integrity Failure |
| <input type="checkbox"/> Station Keeping Failure | <input type="checkbox"/> Other |

WELL ACTIVITY REPORT

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From: [Shank, Michael L](#)
To: [Fesmire, Mark E](#); [Monkelien, Kyle](#); [Miller, Chet](#); [Crumrine, Kathleen](#); [Walker, Jeffrey](#); [Howell, Randy](#)
Subject: Daily Report
Date: Tuesday, October 16, 2012 7:40:22 AM

Daily Report
10/15/2012

- Moved all of the 36" BHA to the deck. Picked up most of the 26" BHA.
- ROV cable was damaged when it was being lifted onto its platform.

Next 24 Hours: Repair ROV cable, they are looking into bringing in the Fennica to use its ROV in the meantime; finish picking up 26" BHA; stab back into the hole.
Temperatures continue to decrease limiting crane usage. Took on water and supplies from the Harvey Spirit.

Shank, Michael L

From: Shank, Michael L
Sent: Tuesday, October 16, 2012 8:15 AM
To: Fesmire, Mark E
Subject: RE: Discoverer: sheen observed, source unknown *UPDATE*

They inspected the crane that was doing lifts over the side at that location, but didn't find any leaks. Another theory is that it could of come from the Harvey Spirit which was next to the Disco using its thrusters to stay on location for personnel transfers. The drops were described as "coming up from underneath the water" so they could have been released from the Harvey Spirit's thrusters. There are no discharge locations from the Disco near the area where the sheen was observed, but there is non-contact cooling water being discharged forward of where the sheen was observed. No theory has any evidence to back them up and the source is still being reported as unknown. I'll keep checking in with the Shell and Noble crew for any updates and I'll look around myself, but it might be difficult to see anything until the sun rises.

-Mike

From: Fesmire, Mark E
Sent: Tuesday, October 16, 2012 7:52 AM
To: Shank, Michael L
Subject: Re: Discoverer: sheen observed, source unknown *UPDATE*

Any theory on source?

From: Shank, Michael L
Sent: Tuesday, October 16, 2012 11:33 AM
To: Fesmire, Mark E; Monkeliën, Kyle; Miller, Chet; Crumrine, Kathleen; Walker, Jeffrey; Howell, Randy; Missal, Jeffrey H; Bohl, Christy
Subject: RE: Discoverer: sheen observed, source unknown *UPDATE*

There were 7-10 1' diameter sheens around the same location.

From: Shank, Michael L
Sent: Monday, October 15, 2012 7:48 PM
To: Fesmire, Mark E; Monkeliën, Kyle; Miller, Chet; Crumrine, Kathleen; Walker, Jeffrey; Howell, Randy; Missal, Jeffrey H; Bohl, Christy
Subject: Discoverer: sheen observed, source unknown

At about 1500, a 1' diameter sheen was observed off the starboard side of the Discoverer between the aft crane and the accommodations. The sheen disappeared shortly after. The supply boat Harvey Spirit was also along the starboard side and the sheen appeared between the two vessels. The source of the sheen is unknown. Size was estimated at 1-4 drops. Spill was reported to Shell Regulatory Affairs, NRC, and the BSEE representative onboard.

Tankersley, Yolanda J

From: Miller, Chet
Sent: Tuesday, October 16, 2012 8:34 AM
To: Fesmire, Mark E; Monkeliën, Kyle; Walker, Jeffrey; Crumrine, Kathleen; Shank, Michael L; Howell, Randy
Subject: Kulluk report

10-16-12

Drilling MLS slow going bit plugged trying to clean up.

(b) (4), (b) (9)

Plan to clean up bit and continue to drill MLC

Shank, Michael L

From: Shank, Michael L
Sent: Tuesday, October 16, 2012 11:54 AM
To: Fesmire, Mark E; Monkeliën, Kyle; Miller, Chet; Crumrine, Kathleen; Walker, Jeffrey; Howell, Randy; Missal, Jeffrey H; Bohl, Christy
Subject: RE: Discoverer: sheen observed, source unknown *UPDATE 2*

They found a loose fitting on the racking arm on the derrick that was leaking oil. They are attributing the sheen to wind-blown oil from this leak. The loose fitting has been repaired.

From: Shank, Michael L
Sent: Tuesday, October 16, 2012 7:33 AM
To: Fesmire, Mark E; Monkeliën, Kyle; Miller, Chet; Crumrine, Kathleen; Walker, Jeffrey; Howell, Randy; Missal, Jeffrey H; Bohl, Christy
Subject: RE: Discoverer: sheen observed, source unknown *UPDATE*

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BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Kulluk **INSPECTION DATE** 10-16-12

INSPECTORS NAME: Chet Miller

MODIFIED August 2012

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	1		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	1		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	1		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	1		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	1		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	1		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	1		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	1		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C	10		
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			10
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C	10		
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C	10		
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C	3		7
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	1		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	1		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	1		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	1		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	1		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	1		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C			1
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C			1
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C			1
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C			1
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C			1
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C			1
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C			1

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C			1
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C			1
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W			1
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			1
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	1		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved? 30 CFR 250.300(b)(2)	C/S			1
1 E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	1		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S			1
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	1		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	1		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	1		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	1		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S	1		
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			1
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells? 30 CFR 250.461(a)(2)	S			1
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			1
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W			1
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			1
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved? 30 CFR 250.420	W			0
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			0
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			0
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained? 30 CFR 250.427(b)	W/S			0

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			0
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			0
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			0
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			0
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			0
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			0
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			0
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			0
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			0
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			0
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			0
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			0
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			0
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			0
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			0
D-174	For the final casing string, did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			0
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			0
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			0
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			0
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			0
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			0
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			0

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			0
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			0
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			0
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			0
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			0
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			0
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			0
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			0
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			0
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			0
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			0
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			0
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S	2		
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S	2		
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S	1		
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W	1		
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			0
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			0
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			0
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			0
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			0
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			0
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			0
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			0
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			0
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			0
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			0
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			0
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			0

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			0
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			0
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			0
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			0
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			0
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			0
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			0
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			0
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			0
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			0
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			0
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			0
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			0
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			0
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			0
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			0
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			0
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			0
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			0
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			0
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			0
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			0
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			0
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			0
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			0
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			0

INC#	WELL-CONTROL DRILLS	CODE	YES	NO	N/A
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			0
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W			0
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			0
	DIVERTER SYSTEMS				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			0
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			0
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, actuation-tested and the vent lines flow tested when installed? 30 CFR 250.433	W			0
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			0
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			0
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			0
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			0
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			0
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			0
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			0
D-314	Is the control station used during the diverter test or actuation identified? 30 CFR 250.434(c)	W			0
	SURFACE DIVERTER SYSTEM				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			0
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			0
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			0
D-322	Is the spool outlet and diverter line nominal diameter at least 10 inches for surface wellhead configurations and at least 12 inches for floating drilling operations? 30 CFR 250.431(a)	S			0
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			0
D-326	Is diverter sealing elements and diverter valves pressure tested to a minimum of 200 psi when nipped up on conductor casing, with no more than 7 days elapsed time between subsequent tests? 30 CFR 250.433(a)	W/S			0
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for surface diverter systems? 30 CFR 250.433(a), 250.433(c)	W			0
D-334	Is vessel heading maintained to allow for downwind diversion on dynamically-positions drill ships? 30 CFR 250.432(d)	S			0
	DRILLING FLUID PROGRAM				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W			0
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level decreases the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a lower decrease in hydrostatic pressure? 30 CFR 250.456(c)	W			0
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			0

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			0
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W			0
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S			0
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			0
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			0
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			0
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S			0
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S			0
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S			0
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S			0
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	1		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	1		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			0
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S			0
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S			0
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S			0
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S			0
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S			0
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S			0
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			0
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S			0
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S			0
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			0

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	1		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	1		
<u>APPLICATION FOR PERMIT TO DRILL</u>					
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S	1		
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			0
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	0		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			0
<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>					
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			0
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			0
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			0
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			0
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			0
<u>SUBSEA BOP SYSTEMS</u>					
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			0
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			0
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			0
<u>STUMP TEST</u>					
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			0
<u>INITIAL INSTALLATION TEST</u>					
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			0
<u>HYDROGEN SULFIDE</u>					
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S			0
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S			0
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C			0

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C			0
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C			0
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C			0
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W			0
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W			0
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C			0
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			0
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card ? 30 CFR 250.490(g)(2)(i, ii)	W			0
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility ? 30 CFR 250.490(k)(3)(i)	W			0
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C			0
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C			0
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S			0
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			0
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S			0
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S			0
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S			0
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S			0
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C			0
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C			0
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C			0
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W			0
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S			0
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W			0
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S			0
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C			0
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C			0

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C			0
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C			0
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S			0
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S			0
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S			0
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W			0
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W			0
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S			0
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S			0
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S			0
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			0
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W			0
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S			0
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S			0
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			0
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S			0
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			0
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S			0
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			0
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			0
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			0
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			0
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			0
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			0
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			0
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			0

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			0
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S			0
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W			0
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W			0
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W			0
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W			0
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S			0
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months ? 30 CFR 250.490(j)(11)(iv)	W/S			0
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W			0
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			0
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			0
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S			0

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Slow drilling with MLC

Daily Report
10/16/2012

- Drilled out casing shoe. Currently drilling ahead with the 26" hole opener.
- ROV repaired and Fennica's ROV is no longer needed.

Next 24 Hours: Continue drilling ahead with the 26" hole opener. Estimated time to TD is ~18 hours.
Staging casing equipment.

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer INSPECTION DATE 10/16/2012

INSPECTORS NAME Michael Shank

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	X		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	X		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	X		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	X		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	X		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	X		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	X		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	X		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C			X
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			X
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			X
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C			X
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C			X
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	X		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	X		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	X		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	X		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	X		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	X		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	X		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	X		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	X		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	X		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	X		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C	X		
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C	X		

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C	X		
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C	X		
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W	X		
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			X
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	X		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved? 30 CFR 250.300(b)(2)	C/S	X		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	X		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	X		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	X		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	X		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	X		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	X		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S			X
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			X
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells? 30 CFR 250.461(a)(2)	S			X
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			X
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W	X		
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			X
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved? 30 CFR 250.420	W	X		
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S	X		
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			X
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained? 30 CFR 250.427(b)	W/S			X

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W	X		
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W	X		
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S	X		
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			X
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			X
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			X
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			X
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			X
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W	X		
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			X
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			X
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			X
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			X
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			X
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			X
D-174	For the final casing string , did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S	X		
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			X
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			X
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			X
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			X
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			X
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			X

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			X
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			X
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			X
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			X
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			X
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			X
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			X
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			X
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			X
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			X
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			X
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			X
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			X
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			X
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S			X
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			X
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			X
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			X
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			X
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			X
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			X
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			X
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			X
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			X
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			X
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			X
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			X
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			X
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			X

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			X
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			X
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			X
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			X
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			X
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			X
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			X
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			X
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			X
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			X
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			X
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			X
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			X
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			X
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			X
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			X
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			X
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			X
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			X
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			X
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			X
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			X
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			X
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			X
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			X
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			X

INC#	WELL-CONTROL DRILLS	CODE	YES	NO	N/A
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			X
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	X		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			X
	DIVERTER SYSTEMS				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			X
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			X
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, actuation-tested and the vent lines flow tested when installed? 30 CFR 250.433	W			X
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			X
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			X
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			X
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			X
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			X
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			X
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			X
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			X
D-314	Is the control station used during the diverter test or actuation identified? 30 CFR 250.434(c)	W			X
	SURFACE DIVERTER SYSTEM				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			X
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			X
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			X
D-322	Is the spool outlet and diverter line nominal diameter at least 10 inches for surface wellhead configurations and at least 12 inches for floating drilling operations? 30 CFR 250.431(a)	S			X
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			X
D-326	Is diverter sealing elements and diverter valves pressure tested to a minimum of 200 psi when nipped up on conductor casing, with no more than 7 days elapsed time between subsequent tests? 30 CFR 250.433(a)	W/S			X
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for surface diverter systems? 30 CFR 250.433(a), 250.433(c)	W			X
D-334	Is vessel heading maintained to allow for downwind diversion on dynamically-positions drill ships? 30 CFR 250.432(d)	S			X
	DRILLING FLUID PROGRAM				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W	X		
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level decreases the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a lower decrease in hydrostatic pressure? 30 CFR 250.456(c)	W	X		
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W	X		

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W	X		
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	X		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	X		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			X
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			X
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			X
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	X		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	X		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	3		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	X		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	X		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			X
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	X		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	X		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	X		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	X		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	5		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	X		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			X
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	X		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	12		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			X

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	X		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	X		
	<u>APPLICATION FOR PERMIT TO DRILL</u>				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S			X
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			X
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	X		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			X
	<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			X
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			X
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			X
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			X
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			X
	<u>SUBSEA BOP SYSTEMS</u>				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			X
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			X
D-602	If Operator Activated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			X
	<u>STUMP TEST</u>				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			X
	<u>INITIAL INSTALLATION TEST</u>				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			X
	<u>HYDROGEN SULFIDE</u>				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	X		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	X		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	X		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	X		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	X		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	X		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	X		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W	X		
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	X		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			X
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card? 30 CFR 250.490(g)(2)(i, ii)	W	X		
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W	X		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	X		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C	X		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			X
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	X		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	X		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	X		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	X		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	X		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	X		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	X		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	X		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C	X		
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C	X		

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C	X		
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C	X		
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S	X		
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	X		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	X		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	X		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	X		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	X		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	X		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W	X		
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	X		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S	X		
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			X
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	X		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			X
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S	X		
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			X
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			X
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			X
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			X
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			X
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			X
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			X
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			X

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			X
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S	X		
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W	X		
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W	X		
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W	X		
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W	X		
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S	X		
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months? 30 CFR 250.490(j)(11)(iv)	W/S	X		
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W	X		
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			X
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			X
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S	X		

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Public Information

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018

OMB Approval Expires 10/31/2014

RECEIVED

OCT 18 2012

WELL ACTIVITY REPORT

BEGINNING DATE: 10/16/2012 ENDING DATE: 10/17/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION
Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT										
GENERAL INFORMATION										
1. API WELL NO. (10 digits) 55-352-0000200					2. OPERATOR NAME Shell Gulf of Mexico Inc					
3. WELL NAME Posey 6764 OCS-Y 2280 001		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com				
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer					8. WATER DEPTH (surveyed) (ft) 150		9. ELEVATION AT KB (Surveyed) (ft) 48.5			
10. CURRENT WELLBORE INFORMATION										
SURFACE					BOTTOM					
LEASE NO.	AREA NAME	BLOCK NO.			LEASE NO.	BLOCK NO.				
OCS Y-2280	Posey	6764			OCS Y-2280	6764				
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE
										LOW
					N/A				N/A	N/A
11. WELLBORE HISTORICAL INFORMATION										
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD				
	OCS Y-2280									

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY
Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

None of the following have occurred:

- ! Wireline logs (Report when acquired)
- ! Wireline Directionals (Report when acquired)
- ! Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
- ! Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
- ! PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)

Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

<input type="checkbox"/> Kick Occurrence	<input type="checkbox"/> Well Control Equipment Failure
<input type="checkbox"/> Shallow Water Flow	<input type="checkbox"/> H ₂ S Encounter
<input type="checkbox"/> Weather and Oceanographic Conditions	<input type="checkbox"/> New Technology Failure
<input type="checkbox"/> General Rig Equipment Failure	<input type="checkbox"/> Stuck Pipe
<input type="checkbox"/> Lost Returns	<input type="checkbox"/> Wellbore Integrity Failure
<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other

Public Information

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Public Information

U.S. Department of the Interior
 Bureau of Safety and Environmental
 Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
 OMB Approval Expires 10/31/2014

RECEIVED

OCT 18 2012

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

WELL ACTIVITY REPORT

BEGINNING DATE: 10/16/2012 **ENDING DATE:** 10/16/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-171-0001300					2. OPERATOR NAME Shell Offshore, Inc						
3. WELL NAME <small>OCS-Y 1805 #001 (Svulliq N)</small>		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS Shawn Gelsinger/713.594.8531/shawn.gelsinger@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Shell Kulluk					8. WATER DEPTH (surveyed) (ft) 106			9. ELEVATION AT KB (Surveyed) (ft) 68			
10. CURRENT WELLBORE INFORMATION											
SURFACE					BOTTOM						
LEASE NO.	AREA NAME		BLOCK NO.		LEASE NO.			BLOCK NO.			
OCS-Y 1805	Flaxman Island		6658		OCS-Y 1805			6658			
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					n/a				n/a	n/a	n/a
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS-Y 1805										

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Eiden Street, Herndon, VA 20170.

From: [Shank, Michael L](#)
To: [Fesmire, Mark E](#); [Monkelien, Kyle](#); [Miller, Chet](#); [Crumrine, Kathleen](#); [Walker, Jeffrey](#); [Howell, Randy](#)
Subject: Daily Report
Date: Wednesday, October 17, 2012 7:33:44 AM

Daily Report
10/16/2012

- Drilled out casing shoe. Currently drilling ahead with the 26" hole opener.
- ROV repaired and Fennica's ROV is no longer needed.

Next 24 Hours: Continue drilling ahead with the 26" hole opener. Estimated time to TD is ~18 hours. Staging casing equipment.

Tankersley, Yolanda J

From: Miller, Chet
Sent: Wednesday, October 17, 2012 8:46 AM
To: Fesmire, Mark E; Monkeliën, Kyle; Crumrine, Kathleen; Howell, Randy; Shank, Michael L; Walker, Jeffrey
Subject: Kulluk Daily

Kulluk Daily
10-17-12

(b) (4), (b) (9)

Plan work MCL and continue drilling

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME ___ Kulluk ___ **INSPECTION DATE** ___ 10-17-12

INSPECTORS NAME: Chet Miller

MODIFIED August 2012

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	1		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	1		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	1		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	1		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	1		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	1		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	1		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	1		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C	10		
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			10
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C	10		
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C	10		
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C	3		7
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	1		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	1		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	1		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	1		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	1		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	1		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C			1
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C			1
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C			1
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C			1
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C			1
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C			1
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C			1

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C			1
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C			1
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W			1
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			1
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	1		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S			1
1 E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	1		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S			1
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	1		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	1		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	1		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	1		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S	1		
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			1
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			1
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			1
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W			1
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			1
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W			0
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			0
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			0
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			0

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			0
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			0
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			0
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			0
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			0
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			0
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			0
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			0
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			0
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			0
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			0
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			0
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			0
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			0
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			0
D-174	For the final casing string , did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			0
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			0
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			0
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			0
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			0
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			0
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			0

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			0
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			0
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			0
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			0
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			0
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			0
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			0
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			0
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			0
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			0
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			0
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			0
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S	2		
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S	2		
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S	1		
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W	1		
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			0
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			0
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			0
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			0
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			0
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			0
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			0
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			0
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			0
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			0
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			0
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			0
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			0

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			0
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			0
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			0
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			0
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			0
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			0
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			0
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			0
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			0
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			0
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			0
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			0
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			0
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			0
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			0
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			0
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			0
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			0
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			0
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			0
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			0
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			0
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			0
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			0
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			0
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			0

<u>INC#</u>	<u>WELL-CONTROL DRILLS</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			0
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W			0
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			0
	<u>DIVERTER SYSTEMS</u>				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			0
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			0
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, <u>actuation-tested</u> and the vent lines flow tested when installed? 30 CFR 250.433	W			0
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			0
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			0
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			0
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			0
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			0
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			0
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			0
D-314	Is the control station used during the diverter test or actuation <u>identified</u> ? 30 CFR 250.434(c)	W			0
	<u>SURFACE DIVERTER SYSTEM</u>				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			0
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			0
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			0
D-322	Is the spool outlet and diverter line nominal diameter at <u>least 10 inches</u> for surface wellhead configurations and at <u>least 12 inches for floating drilling operations</u> ? 30 CFR 250.431(a)	S			0
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			0
D-326	Is diverter sealing elements and diverter valves pressure tested to a <u>minimum of 200 psi</u> when nipped up on conductor casing, with no more than <u>7 days elapsed time</u> between subsequent tests? 30 CFR 250.433(a)	W/S			0
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, <u>conducted at least once every 24 hour period alternating between control stations for surface diverter systems</u> ? 30 CFR 250.433(a), 250.433(c)	W			0
D-334	Is vessel heading maintained to allow for downwind diversion on <u>dynamically-positions drill ships</u> ? 30 CFR 250.432(d)	S			0
	<u>DRILLING FLUID PROGRAM</u>				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation <u>was not</u> necessary? 30 CFR 250.456(a)	W			0
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level <u>decreases the hydrostatic pressure by 75 psi</u> , or <u>every 5 stands of drill pipe</u> , whichever gives a <u>lower decrease in hydrostatic pressure</u> ? 30 CFR 250.456(c)	W			0
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			0

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			0
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W			0
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S			0
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			0
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			0
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			0
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S			0
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S			0
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S			0
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S			0
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	1		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	1		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			0
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S			0
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S			0
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S			0
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S			0
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S			0
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S			0
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			0
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S			0
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S			0
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			0

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	1		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	1		
	<u>APPLICATION FOR PERMIT TO DRILL</u>				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S	1		
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			0
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	0		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			0
	<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			0
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			0
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			0
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			0
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			0
	<u>SUBSEA BOP SYSTEMS</u>				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			0
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			0
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			0
	<u>STUMP TEST</u>				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			0
	<u>INITIAL INSTALLATION TEST</u>				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			0
	<u>HYDROGEN SULFIDE</u>				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S			0
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S			0
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C			0

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C			0
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C			0
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C			0
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W			0
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W			0
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C			0
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			0
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card ? 30 CFR 250.490(g)(2)(i, ii)	W			0
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility ? 30 CFR 250.490(k)(3)(i)	W			0
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C			0
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C			0
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S			0
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			0
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S			0
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S			0
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S			0
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S			0
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C			0
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C			0
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C			0
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W			0
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S			0
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W			0
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S			0
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C			0
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C			0

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C			0
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C			0
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S			0
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S			0
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S			0
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W			0
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W			0
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S			0
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S			0
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S			0
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			0
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W			0
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S			0
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S			0
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			0
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S			0
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			0
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S			0
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			0
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			0
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			0
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			0
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			0
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			0
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			0
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			0

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			0
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S			0
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W			0
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W			0
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W			0
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W			0
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S			0
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months ? 30 CFR 250.490(j)(11)(iv)	W/S			0
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W			0
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			0
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			0
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S			0

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Daily Report
10/17/2012

-Drilled ahead on the 26" open hole.

Next 24 Hours: Continue drilling 26" hole. Should finish sometime this morning. Clean hole and bring GTO manifold to surface to change the pH sensors. Reset GTO manifold and spot pill in hole. Prepare to run 20" casing.

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer INSPECTION DATE 10/17/2012

INSPECTORS NAME Michael Shank

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	X		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	X		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	X		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	X		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	X		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	X		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	X		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	X		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C			X
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			X
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			X
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C			X
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C			X
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	X		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	X		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	X		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	X		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	X		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	X		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	X		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	X		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	X		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	X		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	X		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C	X		
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C	X		

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C	X		
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C	X		
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W	X		
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			X
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	X		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S	X		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	X		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	X		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	X		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	X		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	X		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	X		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S			X
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			X
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			X
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			X
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W	X		
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			X
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W	X		
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S	X		
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			X
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			X

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W	X		
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W	X		
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S	X		
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.421(c)	W/S			X
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.423(a)	W/S			X
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			X
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			X
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			X
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W	X		
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			X
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			X
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			X
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			X
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			X
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			X
D-174	For the final casing string, did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S	X		
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			X
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			X
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			X
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			X
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			X
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			X

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			X
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			X
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			X
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			X
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			X
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			X
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			X
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			X
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			X
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			X
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			X
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			X
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			X
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			X
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S			X
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			X
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			X
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			X
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			X
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			X
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			X
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			X
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			X
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			X
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			X
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			X
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			X
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			X
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			X

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			X
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			X
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			X
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			X
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			X
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			X
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			X
D-254	When the BOP test are postponed due to well control problems, is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			X
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			X
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			X
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			X
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			X
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			X
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			X
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes, 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			X
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			X
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			X
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			X
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			X
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			X
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			X
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			X
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			X
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			X
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			X
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			X

INC#	WELL-CONTROL DRILLS	CODE	YES	NO	N/A
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			X
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	X		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			X
	DIVERTER SYSTEMS				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			X
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			X
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, actuation-tested and the vent lines flow tested when installed? 30 CFR 250.433	W			X
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			X
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			X
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			X
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			X
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			X
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			X
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			X
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			X
D-314	Is the control station used during the diverter test or actuation identified? 30 CFR 250.434(c)	W			X
	SURFACE DIVERTER SYSTEM				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			X
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			X
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			X
D-322	Is the spool outlet and diverter line nominal diameter at least 10 inches for surface wellhead configurations and at least 12 inches for floating drilling operations? 30 CFR 250.431(a)	S			X
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			X
D-326	Is diverter sealing elements and diverter valves pressure tested to a minimum of 200 psi when nipped up on conductor casing, with no more than 7 days elapsed time between subsequent tests? 30 CFR 250.433(a)	W/S			X
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for surface diverter systems? 30 CFR 250.433(a), 250.433(c)	W			X
D-334	Is vessel heading maintained to allow for downwind diversion on dynamically-positions drill ships? 30 CFR 250.432(d)	S			X
	DRILLING FLUID PROGRAM				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W	X		
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level decreases the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a lower decrease in hydrostatic pressure? 30 CFR 250.456(c)	W	X		
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W	X		

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W	X		
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	X		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	X		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			X
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			X
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			X
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	X		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	X		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	3		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	X		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	X		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			X
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	X		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	X		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	X		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	X		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	5		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	X		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			X
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	X		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	12		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			X

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	X		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	X		
<u>APPLICATION FOR PERMIT TO DRILL</u>					
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S			X
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			X
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	X		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			X
<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>					
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			X
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			X
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			X
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			X
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			X
<u>SUBSEA BOP SYSTEMS</u>					
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			X
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			X
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			X
<u>STUMP TEST</u>					
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			X
<u>INITIAL INSTALLATION TEST</u>					
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			X
<u>HYDROGEN SULFIDE</u>					
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	X		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	X		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	X		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	X		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	X		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	X		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	X		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W	X		
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	X		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			X
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card? 30 CFR 250.490(g)(2)(i, ii)	W	X		
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W	X		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	X		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C	X		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			X
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	X		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	X		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	X		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	X		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	X		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	X		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	X		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	X		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C	X		
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C	X		

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C	X		
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C	X		
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S	X		
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	X		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	X		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	X		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	X		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	X		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	X		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W	X		
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	X		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S	X		
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			X
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	X		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			X
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S	X		
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			X
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			X
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			X
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			X
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			X
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			X
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			X
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			X

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			X
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S	X		
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W	X		
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W	X		
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W	X		
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W	X		
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S	X		
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months? 30 CFR 250.490(j)(11)(iv)	W/S	X		
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W	X		
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			X
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			X
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S	X		

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:



EPA Inspection Form for Alaska
Outer Continental Shelf Oil and Gas Facilities
NPDES General Permit No. AKG280000
Location: Chukchi Sea 2012
Permittee: Shell

Permittee Representative	Lloyd Wallace	Inspector Name	Michael Shank
Inspection Date	10/17/2012	Signature	
Insp. Time (Start/End)		Well Name	Burger A
Lease No.	OCS-Y 2280	Block No.	Posey 6764

Vessel (Circle One) *Noble Discoverer* *Other* _____

	Comment (✓)	Yes	No	N/A
Discharge No. and Description				
001 – Water-based Drilling Fluids and Drilling Cuttings				
Total Volume (Monthly estimate)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Flow Limitation (Hourly during discharge; estimate)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Suspended Particulate Phase Toxicity Test (Monthly; 30,000 ppm)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Free Oil – No Discharge (Static Sheen Test; Daily)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Free Oil – No Discharge (Visual; Daily)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Diesel Oil – No Discharge (Once per well and upon failure of static sheen test)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Barite Analysis for Mercury (≤ 1 mg/kg; once prior to drilling each well)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Barite Analysis for Cadmium (≤ 3 mg/kg; once prior to drilling each well)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chromium VI, Silver & Thallium (Once per well)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Total Aqueous Hydrocarbons (Once per well)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Total Aromatic Hydrocarbons (Once per well)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chemical inventory of all constituents added downhole	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
002 – Deck Drainage				
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Free Oil – No Discharge (Static Sheen Test; once per discharge event)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Aqueous Hydrocarbons (Once per discharge event)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Aromatic Hydrocarbons (Once per discharge event)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Contaminated drainage is processed through oil-water separator before discharge	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
003 – Sanitary Wastes				
Flow (Daily; Measured/recorded)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BOD ₅ (30 mg/l Monthly Ave; 60 mg/L Daily Max; Weekly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TSS (30 mg/l Monthly Ave; 60 mg/L Daily Max; Weekly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Floating Solids, Garbage, Foam, Oily Sheen Obs. – No Discharge (Daily; visual)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH (6.0-9.0; Monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fecal Coliform (100 c/100 mL Month Ave; 200 c/100 mL Daily Max; Monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Residual Chlorine (0.5 mg/L Monthly Ave; 1.0 mg/L Daily Max; Weekly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
004 – Domestic Wastes				
Floating Solids, Garbage, Foam Obs. – No Discharge (Daily; visual)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flow (Monthly estimated)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Continued on Next Page

	Comment (✓)	Yes	No	N/A
Discharge No. and Description				
005 – Desalination Unit Wastes				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chemical inventory of quantities and rates added	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
006 – Blowout Preventer Fluid				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
009 – Non-contact Cooling Water				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chemical/Biocides inventory of type and quantity added	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
010 – Uncontaminated Ballast Water				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
011 – Bilge Water				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bilge water is processed through oil-water separator before discharge	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
012 – Excess Cement Slurry				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
013 – Mud, Cuttings, Cement at Seafloor				
Free Oil – No Discharge (Static Sheen Test; once per discharge)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Total Volume (Monthly estimated)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH (6.5-8.5; monthly)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Miscellaneous Requirements – All Applicable Discharge Nos.				
Floating solids, debris, sludge, deposits, foam, scum or other residues causing nuisance, objectionable or detrimental conditions – No Discharge (Section II.A.4.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Visual monitoring in outfall vicinity at time of maximum estimated or measured discharge (Section II.A.10.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NOTE: Observations should be described in detail in the Comments section				

Comments *(Continue on next page as needed)*

001-No Discharge
003-No Discharge, samples sent into town for lab analysis
005-No chemicals added
006-No Discharge

Comments *(continued)*

009-No Discharge

012-No Discharge

Note: No cementing was performed prior to this inspection.

Public Information

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
OMB Approval Expires 10/31/2014

RECEIVED

OCT 22 2012

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

WELL ACTIVITY REPORT

BEGINNING DATE: 10/17/2012 ENDING DATE: 10/18/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-352-0000200						2. OPERATOR NAME Shell Gulf of Mexico Inc					
3. WELL NAME Posey 6764 OCS-Y 2280 001		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer						8. WATER DEPTH (surveyed) (ft) 150			9. ELEVATION AT KB (Surveyed) (ft) 48.5		
10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.				BLOCK NO.	
OCS Y-2280		Posey		6764		OCS Y-2280				6764	
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					N/A				N/A	N/A	N/A
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS Y-2280										

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY
Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

None of the following have occurred:

- ▮ Wireline logs (Report when acquired)
- ▮ Wireline Directionals (Report when acquired)
- ▮ Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
- ▮ Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
- ▮ PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)

Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

<input type="checkbox"/> Kick Occurrence	<input type="checkbox"/> Well Control Equipment Failure
<input type="checkbox"/> Shallow Water Flow	<input type="checkbox"/> H ₂ S Encounter
<input type="checkbox"/> Weather and Oceanographic Conditions	<input type="checkbox"/> New Technology Failure
<input type="checkbox"/> General Rig Equipment Failure	<input type="checkbox"/> Stuck Pipe
<input type="checkbox"/> Lost Returns	<input type="checkbox"/> Wellbore Integrity Failure
<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Public Information

U.S. Department of the Interior
 Bureau of Safety and Environmental
 Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
 OMB Approval Expires 10/31/2014

RECEIVED

OCT 22 2012

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

WELL ACTIVITY REPORT

BEGINNING DATE: 10/17/2012 **ENDING DATE:** 10/17/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-171-0001300					2. OPERATOR NAME Shell Offshore, Inc						
3. WELL NAME OCS-Y 1805 #001 (Sivuliq N)		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS Shawn Gelsinger/713.594.8531/shawn.gelsinger@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Shell Kulluk					8. WATER DEPTH (surveyed) (ft) 106		9. ELEVATION AT KB (Surveyed) (ft) 68				
10. CURRENT WELLBORE INFORMATION											
SURFACE					BOTTOM						
LEASE NO.	AREA NAME		BLOCK NO.		LEASE NO.			BLOCK NO.			
OCS-Y 1805	Flaxman Island		6658		OCS-Y 1805			6658			
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					n/a				n/a	n/a	n/a
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS-Y 1805										

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY
Provide a daily summary of well activities.

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- ! Wireline Directionals (Report when acquired)
- ! Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
- ! Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
- ! PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)

Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

<input type="checkbox"/> Kick Occurrence	<input type="checkbox"/> Well Control Equipment Failure
<input type="checkbox"/> Shallow Water Flow	<input type="checkbox"/> H ₂ S Encounter
<input type="checkbox"/> Weather and Oceanographic Conditions	<input type="checkbox"/> New Technology Failure
<input type="checkbox"/> General Rig Equipment Failure	<input type="checkbox"/> Stuck Pipe
<input type="checkbox"/> Lost Returns	<input type="checkbox"/> Wellbore Integrity Failure
<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Tankersley, Yolanda J

From: Miller, Chet
Sent: Thursday, October 18, 2012 6:18 AM
To: Monkeliën, Kyle; Fesmire, Mark E; Howell, Randy; Walker, Jeffrey; Shank, Michael L; Crumrine, Kathleen
Subject: Kulluk morning report

10-18-12

Plan to pull MCL clean and run back to bottom

From: [Shank, Michael L](#)
To: [Fesmire, Mark E](#); [Monkelien, Kyle](#); [Miller, Chet](#); [Crumrine, Kathleen](#); [Walker, Jeffrey](#); [Howell, Randy](#)
Subject: Daily Report
Date: Thursday, October 18, 2012 8:21:12 AM

Daily Report
10/17/2012

-Drilled ahead on the 26" open hole.

Next 24 Hours: Continue drilling 26" hole. Should finish sometime this morning. Clean hole and bring GTO manifold to surface to change the pH sensors. Reset GTO manifold and spot pill in hole. Prepare to run 20" casing.

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Kulluk **INSPECTION DATE** 10-18-12

INSPECTORS NAME: Chet Miller

MODIFIED August 2012

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	1		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	1		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	1		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	1		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	1		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	1		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	1		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	1		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C	10		
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			10
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C	10		
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C	10		
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C	3		7
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	1		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	1		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	1		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	1		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	1		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	1		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C			1
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C			1
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C			1
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C			1
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C			1
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C			1
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C			1

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C			1
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C			1
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W			1
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			1
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	1		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S			1
1 E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	1		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S			1
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	1		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	1		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	1		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	1		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S	1		
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			1
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			1
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			1
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W			1
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			1
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W			0
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			0
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			0
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			0

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			0
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			0
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			0
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			0
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			0
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			0
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			0
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			0
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			0
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			0
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			0
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			0
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			0
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			0
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			0
D-174	For the final casing string, did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			0
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			0
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			0
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			0
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			0
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			0
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			0

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			0
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			0
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			0
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			0
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			0
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			0
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			0
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			0
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			0
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			0
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			0
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			0
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S	2		
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S	2		
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S	1		
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W	1		
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			0
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			0
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			0
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			0
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			0
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			0
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			0
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			0
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			0
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			0
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			0
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			0
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			0

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			0
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			0
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			0
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			0
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			0
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			0
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			0
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			0
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			0
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			0
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			0
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			0
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			0
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			0
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			0
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			0
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			0
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			0
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			0
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			0
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			0
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			0
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			0
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			0
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			0
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			0

<u>INC#</u>	<u>WELL-CONTROL DRILLS</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			0
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W			0
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			0
	<u>DIVERTER SYSTEMS</u>				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			0
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			0
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, <u>actuation-tested</u> and the vent lines flow tested when installed? 30 CFR 250.433	W			0
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			0
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			0
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			0
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			0
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			0
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			0
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			0
D-314	Is the control station used during the diverter test or actuation <u>identified</u> ? 30 CFR 250.434(c)	W			0
	<u>SURFACE DIVERTER SYSTEM</u>				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			0
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			0
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			0
D-322	Is the spool outlet and diverter line nominal diameter at <u>least 10 inches</u> for surface wellhead configurations and at <u>least 12 inches for floating drilling operations</u> ? 30 CFR 250.431(a)	S			0
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			0
D-326	Is diverter sealing elements and diverter valves pressure tested to a <u>minimum of 200 psi</u> when nipped up on conductor casing, with no more than <u>7 days elapsed time</u> between subsequent tests? 30 CFR 250.433(a)	W/S			0
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, <u>conducted at least once every 24 hour period alternating between control stations for surface diverter systems</u> ? 30 CFR 250.433(a), 250.433(c)	W			0
D-334	Is vessel heading maintained to allow for downwind diversion on <u>dynamically-positions drill ships</u> ? 30 CFR 250.432(d)	S			0
	<u>DRILLING FLUID PROGRAM</u>				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation <u>was not</u> necessary? 30 CFR 250.456(a)	W			0
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level <u>decreases the hydrostatic pressure by 75 psi</u> , or <u>every 5 stands of drill pipe</u> , whichever gives a <u>lower decrease in hydrostatic pressure</u> ? 30 CFR 250.456(c)	W			0
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			0

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			0
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W			0
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S			0
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			0
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			0
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			0
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S			0
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S			0
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S			0
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S			0
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	1		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	1		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			0
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S			0
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S			0
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S			0
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S			0
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S			0
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S			0
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			0
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S			0
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S			0
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			0

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	1		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	1		
	<u>APPLICATION FOR PERMIT TO DRILL</u>				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S	1		
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			0
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	0		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			0
	<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			0
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			0
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			0
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			0
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			0
	<u>SUBSEA BOP SYSTEMS</u>				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			0
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			0
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			0
	<u>STUMP TEST</u>				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			0
	<u>INITIAL INSTALLATION TEST</u>				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			0
	<u>HYDROGEN SULFIDE</u>				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S			0
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S			0
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C			0

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C			0
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C			0
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C			0
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W			0
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W			0
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C			0
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			0
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card? 30 CFR 250.490(g)(2)(i, ii)	W			0
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W			0
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C			0
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C			0
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S			0
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			0
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S			0
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S			0
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S			0
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S			0
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C			0
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C			0
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C			0
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W			0
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S			0
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W			0
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S			0
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C			0
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C			0

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C			0
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C			0
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S			0
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S			0
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S			0
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W			0
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W			0
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S			0
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S			0
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S			0
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			0
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W			0
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S			0
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S			0
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			0
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S			0
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			0
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S			0
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			0
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			0
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			0
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			0
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			0
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			0
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			0
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			0

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			0
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S			0
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W			0
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W			0
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W			0
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W			0
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S			0
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months ? 30 CFR 250.490(j)(11)(iv)	W/S			0
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W			0
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			0
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			0
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S			0

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Leak on fuel line for HPU for MCL contained in Drip pan NO
pollution. Cleaned pans and deck around.

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer INSPECTION DATE 10/18/2012

INSPECTORS NAME Michael Shank

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	X		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	X		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	X		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	X		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	X		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	X		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	X		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	X		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C			X
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			X
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			X
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C			X
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C			X
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	X		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	X		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	X		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	X		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	X		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	X		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	X		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	X		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	X		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	X		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	X		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C	X		
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C	X		

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C	X		
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C	X		
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W	X		
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			X
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	X		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S	X		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	X		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	X		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	X		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	X		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	X		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	X		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S			X
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			X
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			X
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			X
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W	X		
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			X
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W	X		
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S	X		
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			X
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			X

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W	X		
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W	X		
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S	X		
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.421(c)	W/S			X
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.423(a)	W/S			X
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			X
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			X
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			X
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W	X		
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			X
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			X
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			X
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			X
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			X
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			X
D-174	For the final casing string, did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S	X		
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			X
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			X
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			X
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			X
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			X
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			X

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			X
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			X
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			X
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			X
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			X
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			X
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			X
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			X
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			X
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			X
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			X
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			X
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			X
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			X
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S			X
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			X
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			X
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			X
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			X
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			X
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			X
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			X
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			X
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			X
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			X
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			X
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			X
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			X
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			X

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			X
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			X
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			X
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			X
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			X
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			X
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			X
D-254	When the BOP test are postponed due to well control problems, is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			X
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			X
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			X
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			X
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			X
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			X
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			X
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes, 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			X
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			X
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			X
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			X
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			X
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			X
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			X
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			X
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			X
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			X
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			X
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			X

INC#	WELL-CONTROL DRILLS	CODE	YES	NO	N/A
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			X
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	X		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			X
	DIVERTER SYSTEMS				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			X
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			X
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, actuation-tested and the vent lines flow tested when installed? 30 CFR 250.433	W			X
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			X
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			X
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			X
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			X
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			X
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			X
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			X
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			X
D-314	Is the control station used during the diverter test or actuation identified? 30 CFR 250.434(c)	W			X
	SURFACE DIVERTER SYSTEM				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			X
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			X
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			X
D-322	Is the spool outlet and diverter line nominal diameter at least 10 inches for surface wellhead configurations and at least 12 inches for floating drilling operations? 30 CFR 250.431(a)	S			X
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			X
D-326	Is diverter sealing elements and diverter valves pressure tested to a minimum of 200 psi when nipped up on conductor casing, with no more than 7 days elapsed time between subsequent tests? 30 CFR 250.433(a)	W/S			X
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for surface diverter systems? 30 CFR 250.433(a), 250.433(c)	W			X
D-334	Is vessel heading maintained to allow for downwind diversion on dynamically-positions drill ships? 30 CFR 250.432(d)	S			X
	DRILLING FLUID PROGRAM				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W	X		
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level decreases the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a lower decrease in hydrostatic pressure? 30 CFR 250.456(c)	W	X		
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W	X		

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W	X		
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	X		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	X		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			X
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			X
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			X
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	X		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	X		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	3		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	X		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	X		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			X
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	X		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	X		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	X		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	X		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	5		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	X		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			X
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	X		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	12		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			X

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	X		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	X		
<u>APPLICATION FOR PERMIT TO DRILL</u>					
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S			X
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			X
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	X		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			X
<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>					
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			X
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			X
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			X
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			X
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			X
<u>SUBSEA BOP SYSTEMS</u>					
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			X
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			X
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			X
<u>STUMP TEST</u>					
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			X
<u>INITIAL INSTALLATION TEST</u>					
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			X
<u>HYDROGEN SULFIDE</u>					
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	X		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	X		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	X		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	X		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	X		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	X		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	X		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W	X		
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	X		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			X
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card? 30 CFR 250.490(g)(2)(i, ii)	W	X		
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W	X		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	X		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C	X		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			X
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	X		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	X		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	X		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	X		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	X		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	X		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	X		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	X		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C	X		
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C	X		

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C	X		
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C	X		
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S	X		
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	X		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	X		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	X		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	X		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	X		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	X		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W	X		
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	X		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S	X		
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			X
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	X		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			X
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S	X		
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			X
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			X
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			X
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			X
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			X
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			X
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			X
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			X

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			X
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S	X		
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W	X		
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W	X		
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W	X		
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W	X		
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S	X		
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months? 30 CFR 250.490(j)(11)(iv)	W/S	X		
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W	X		
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			X
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			X
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S	X		

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Daily Report
10/18/2012



-Preparing to pick up GTO manifold to replace pH sensors, then run 20" casing.

Next 24 Hours: Pick up GTO manifold and replace sensors. Run 20" casing.

Public Information

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
OMB Approval Expires 10/31/2014

WELL ACTIVITY REPORT

BEGINNING DATE: 10/18/2012 ENDING DATE: 10/19/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

RECEIVED

OCT 22 2012

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

CORRECTION CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT

GENERAL INFORMATION

1. API WELL NO. (10 digits) 55-352-0000200			2. OPERATOR NAME Shell Gulf of Mexico Inc		
3. WELL NAME Posey 6764 OCS-Y 2280 001	4. SIDETRACK NO. 00	5. BYPASS NO. 00	6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com		
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer			8. WATER DEPTH (surveyed) (ft) 150	9. ELEVATION AT KB (Surveyed) (ft) 48.5	

10. CURRENT WELLBORE INFORMATION

SURFACE					BOTTOM						
LEASE NO.	AREA NAME	BLOCK NO.			LEASE NO.		BLOCK NO.				
OCS Y-2280	Posey	6764			OCS Y-2280		6764				
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
											LOW
					N/A				N/A	N/A	N/A

11. WELLBORE HISTORICAL INFORMATION

WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD
	OCS Y-2280					

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY

Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

- None** of the following have occurred:
 - ! Wireline logs (Report when acquired)
 - ! Wireline Directionals (Report when acquired)
 - ! Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
 - ! Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
 - ! PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)

- Any** of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

- Kick Occurrence
- Well Control Equipment Failure
- Shallow Water Flow
- H₂S Encounter
- Weather and Oceanographic Conditions
- New Technology Failure
- General Rig Equipment Failure
- Stuck Pipe
- Lost Returns
- Wellbore Integrity Failure
- Station Keeping Failure
- Other

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Public Information

U.S. Department of the Interior
 Bureau of Safety and Environmental
 Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
 OMB Approval Expires 10/31/2014

RECEIVED

OCT 22 2012

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

WELL ACTIVITY REPORT

BEGINNING DATE: 10/18/2012 **ENDING DATE:** 10/18/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-171-0001300					2. OPERATOR NAME Shell Offshore, Inc						
3. WELL NAME OCS-Y 1805 #001 (Sivulliq N)		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS Shawn Gelsinger/713.594.8531/shawn.gelsinger@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Shell Kulluk						8. WATER DEPTH (surveyed) (ft) 106		9. ELEVATION AT KB (Surveyed) (ft) 68			
10. CURRENT WELLBORE INFORMATION											
SURFACE					BOTTOM						
LEASE NO.	AREA NAME		BLOCK NO.		LEASE NO.			BLOCK NO.			
OCS-Y 1805	Flaxman Island		6658		OCS-Y 1805			6658			
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					n/a				n/a	n/a	n/a
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS-Y 1805										

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

From: [Shank, Michael L](#)
To: [Fesmire, Mark E](#); [Monkelien, Kyle](#); [Miller, Chet](#); [Crumrine, Kathleen](#); [Walker, Jeffrey](#); [Howell, Randy](#)
Subject: Daily Report
Date: Friday, October 19, 2012 7:49:00 AM

Daily Report
10/18/2012

(b) (4), (b) (9)

-Preparing to pick up GTO manifold to replace pH sensors, then run 20" casing.

Next 24 Hours: Pick up GTO manifold and replace sensors. Run 20" casing.

Tankersley, Yolanda J

From: Howell, Randy
Sent: Friday, October 19, 2012 8:56 AM
To: Miller, Chet; Fesmire, Mark E; Monkelien, Kyle; Shank, Michael L; Walker, Jeffrey; Crumrine, Kathleen
Subject: RE: Kulluk Daily

Thanks, that sound good.

Randy

From: Miller, Chet
Sent: Friday, October 19, 2012 8:50 AM
To: Howell, Randy; Fesmire, Mark E; Monkelien, Kyle; Shank, Michael L; Walker, Jeffrey; Crumrine, Kathleen
Subject: RE: Kulluk Daily

Shell and Noble have taken this very seriously.
The plan is to tie off pipe in the derrick (done)
Put locks in the neutral position (done). As to not use them.
Remove a few and send in for metallurgy test. The thought is bad metal and welds.
Draw up planes for removal and replacement of the racking board during the off season that will have secondary fall prevention on each dog.
The rig floor has been a "No Go" zone and was flagged off at the time that the dog fell.

From: Howell, Randy
Sent: Friday, October 19, 2012 9:38 AM
To: Miller, Chet; Fesmire, Mark E; Monkelien, Kyle; Shank, Michael L; Walker, Jeffrey; Crumrine, Kathleen
Subject: RE: Kulluk Daily

Chet,

Spoke with Mark and Kyle about the pipe locks on fingers board breaking and one of the pipe locks dropping to the floor, this is not the first time that this has happened. We need to take a proactive approach on safety of the rig crews, BSEE advise Shell to do at least once a tour inspection of the pipe lock on the finger board, and after any weather events that restrict operations. During weather event keep personal off drill floor until pipe locks on the finger board have been inspected.

Checks need to be recorded.

No INC at this time but Shell needs to ensure the safety of the rig hands. Hopefully Shell has already implemented these procedures or something better.

Randy

From: Miller, Chet
Sent: Friday, October 19, 2012 6:44 AM
To: Fesmire, Mark E; Monkelien, Kyle; Walker, Jeffrey; Crumrine, Kathleen; Shank, Michael L; Howell, Randy
Subject: Kulluk Daily

10-19-12

- POOH with MLC repair and RIH with same.
- Per ROV survey 8 of 12 bolts that hold riser to MLC have broken or backed out leaving 4 bolts holding MLC on to riser.
- Pipe lock on finger board broke and dropped from derrick landing on to the rig floor, NO injury to personal. Crews performed derrick inspection during the night and found 2 more broken pipe locks.

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Kulluk **INSPECTION DATE** 10-12-12

INSPECTORS NAME: Chet Miller

MODIFIED August 2012

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	1		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	1		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	1		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	1		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	1		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	1		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	1		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	1		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C	10		
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			10
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C	10		
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C	10		
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C	3		7
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	1		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	1		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	1		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	1		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	1		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	1		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C			1
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C			1
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C			1
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C			1
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C			1
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C			1
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C			1

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C			1
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C			1
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W			1
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			1
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	1		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S			1
1 E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	1		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S			1
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	1		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	1		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	1		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	1		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S	1		
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			1
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			1
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			1
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W			1
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			1
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W			0
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			0
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			0
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			0

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			0
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			0
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			0
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			0
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			0
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			0
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			0
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			0
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			0
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			0
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			0
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			0
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			0
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			0
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			0
D-174	For the final casing string , did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			0
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			0
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			0
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			0
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			0
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			0
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			0

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			0
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			0
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			0
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			0
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			0
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			0
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			0
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			0
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			0
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			0
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			0
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			0
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S	2		
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S	2		
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S	1		
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W	1		
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			0
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			0
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			0
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			0
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			0
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			0
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			0
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			0
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			0
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			0
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			0
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			0
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			0

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			0
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			0
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			0
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			0
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			0
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			0
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			0
D-254	When the BOP test are postponed due to well control problems, is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			0
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			0
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			0
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			0
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			0
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			0
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			0
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes, 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			0
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			0
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			0
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			0
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			0
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			0
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			0
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			0
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			0
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			0
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			0
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			0

<u>INC#</u>	<u>WELL-CONTROL DRILLS</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			0
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W			0
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			0
	<u>DIVERTER SYSTEMS</u>				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			0
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			0
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, <u>actuation-tested</u> and the vent lines flow tested when installed? 30 CFR 250.433	W			0
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			0
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			0
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			0
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			0
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			0
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			0
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			0
D-314	Is the control station used during the diverter test or actuation <u>identified</u> ? 30 CFR 250.434(c)	W			0
	<u>SURFACE DIVERTER SYSTEM</u>				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			0
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			0
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			0
D-322	Is the spool outlet and diverter line nominal diameter at <u>least 10 inches</u> for surface wellhead configurations and at <u>least 12 inches for floating drilling operations</u> ? 30 CFR 250.431(a)	S			0
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			0
D-326	Is diverter sealing elements and diverter valves pressure tested to a <u>minimum of 200 psi</u> when nipped up on conductor casing, with no more than <u>7 days elapsed time</u> between subsequent tests? 30 CFR 250.433(a)	W/S			0
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, <u>conducted at least once every 24 hour period alternating between control stations for surface diverter systems</u> ? 30 CFR 250.433(a), 250.433(c)	W			0
D-334	Is vessel heading maintained to allow for downwind diversion on <u>dynamically-positions drill ships</u> ? 30 CFR 250.432(d)	S			0
	<u>DRILLING FLUID PROGRAM</u>				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation <u>was not</u> necessary? 30 CFR 250.456(a)	W			0
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level <u>decreases the hydrostatic pressure by 75 psi</u> , or <u>every 5 stands of drill pipe</u> , whichever gives a <u>lower decrease in hydrostatic pressure</u> ? 30 CFR 250.456(c)	W			0
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			0

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			0
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W			0
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S			0
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			0
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			0
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			0
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S			0
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S			0
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S			0
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S			0
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	1		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	1		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			0
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S			0
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S			0
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S			0
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S			0
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S			0
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S			0
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			0
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S			0
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S			0
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			0

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	1		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	1		
<u>APPLICATION FOR PERMIT TO DRILL</u>					
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S	1		
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			0
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	0		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			0
<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>					
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			0
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			0
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			0
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			0
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			0
<u>SUBSEA BOP SYSTEMS</u>					
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			0
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			0
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			0
<u>STUMP TEST</u>					
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			0
<u>INITIAL INSTALLATION TEST</u>					
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			0
<u>HYDROGEN SULFIDE</u>					
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S			0
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S			0
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C			0

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C			0
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C			0
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C			0
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W			0
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W			0
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C			0
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			0
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card ? 30 CFR 250.490(g)(2)(i, ii)	W			0
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility ? 30 CFR 250.490(k)(3)(i)	W			0
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C			0
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C			0
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S			0
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more ? 30 CFR 250.490(i)(2)(i)	W/S			0
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S			0
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S			0
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S			0
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S			0
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C			0
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C			0
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C			0
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel ? 30 CFR 250.490(k)(1)(i)	W			0
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S			0
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W			0
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use ? 30 CFR 250.490(j)(13)(iv)	C/S			0
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member ? 30 CFR 250.490(j)(13)(vii)	C			0
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan ? 30 CFR 250.490(j)(13)(viii)	C			0

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C			0
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C			0
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S			0
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S			0
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S			0
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W			0
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W			0
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S			0
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S			0
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S			0
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			0
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W			0
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S			0
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S			0
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			0
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S			0
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			0
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S			0
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			0
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			0
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			0
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			0
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			0
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			0
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			0
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			0

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			0
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S			0
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W			0
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W			0
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W			0
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W			0
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S			0
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months ? 30 CFR 250.490(j)(11)(iv)	W/S			0
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W			0
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			0
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			0
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S			0

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Daily Report
10/19/2012

- Attempted unsuccessfully to pull up GTO suction manifold.
- Turned ship for incoming weather.
- Hooked up hose to GTO pump to clean out well w/o manifold.

Next 24 Hours: TIH and condition well; spot pill; run dye to test GTO; POOH and run casing.

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer INSPECTION DATE 10/19/2012

INSPECTORS NAME Michael Shank

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	X		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	X		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	X		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	X		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	X		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	X		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	X		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	X		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C			X
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			X
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			X
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C			X
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C			X
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	X		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	X		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	X		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	X		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	X		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	X		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	X		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	X		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	X		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	X		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	X		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C	X		
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C	X		

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C	X		
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C	X		
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W	X		
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			X
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	X		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S	X		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	X		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	X		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	X		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	X		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	X		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	X		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S			X
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			X
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			X
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			X
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W	X		
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			X
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W	X		
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S	X		
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			X
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			X

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W	X		
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W	X		
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S	X		
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			X
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			X
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			X
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			X
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			X
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W	X		
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			X
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			X
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			X
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			X
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			X
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			X
D-174	For the final casing string , did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S	X		
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			X
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			X
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			X
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			X
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			X
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			X

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			X
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			X
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			X
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			X
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			X
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			X
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			X
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			X
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			X
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			X
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			X
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			X
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			X
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			X
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S			X
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			X
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			X
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			X
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			X
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			X
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			X
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			X
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			X
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			X
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			X
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			X
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			X
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			X
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			X

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			X
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			X
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			X
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			X
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			X
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			X
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			X
D-254	When the BOP test are postponed due to well control problems, is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			X
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			X
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			X
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			X
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			X
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			X
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			X
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes, 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			X
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			X
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			X
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			X
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			X
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			X
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			X
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			X
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			X
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			X
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			X
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			X

INC#	WELL-CONTROL DRILLS	CODE	YES	NO	N/A
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			X
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	X		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			X
	DIVERTER SYSTEMS				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			X
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			X
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, actuation-tested and the vent lines flow tested when installed? 30 CFR 250.433	W			X
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			X
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			X
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			X
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			X
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			X
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			X
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			X
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			X
D-314	Is the control station used during the diverter test or actuation identified? 30 CFR 250.434(c)	W			X
	SURFACE DIVERTER SYSTEM				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			X
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			X
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			X
D-322	Is the spool outlet and diverter line nominal diameter at least 10 inches for surface wellhead configurations and at least 12 inches for floating drilling operations? 30 CFR 250.431(a)	S			X
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			X
D-326	Is diverter sealing elements and diverter valves pressure tested to a minimum of 200 psi when nipped up on conductor casing, with no more than 7 days elapsed time between subsequent tests? 30 CFR 250.433(a)	W/S			X
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for surface diverter systems? 30 CFR 250.433(a), 250.433(c)	W			X
D-334	Is vessel heading maintained to allow for downwind diversion on dynamically-positions drill ships? 30 CFR 250.432(d)	S			X
	DRILLING FLUID PROGRAM				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W	X		
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level decreases the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a lower decrease in hydrostatic pressure? 30 CFR 250.456(c)	W	X		
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W	X		

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W	X		
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	X		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	X		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			X
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			X
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			X
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	X		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	X		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	3		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	X		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	X		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			X
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	X		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	X		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	X		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	X		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	5		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	X		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			X
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	X		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	12		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			X

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	X		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	X		
<u>APPLICATION FOR PERMIT TO DRILL</u>					
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S			X
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			X
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	X		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			X
<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>					
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			X
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			X
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			X
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			X
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			X
<u>SUBSEA BOP SYSTEMS</u>					
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			X
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			X
D-602	If Operator Activated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			X
<u>STUMP TEST</u>					
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			X
<u>INITIAL INSTALLATION TEST</u>					
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			X
<u>HYDROGEN SULFIDE</u>					
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	X		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	X		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	X		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	X		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	X		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	X		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	X		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W	X		
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	X		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			X
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card ? 30 CFR 250.490(g)(2)(i, ii)	W	X		
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W	X		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	X		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C	X		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			X
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	X		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	X		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	X		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	X		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	X		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	X		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	X		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	X		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C	X		
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C	X		

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C	X		
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C	X		
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S	X		
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	X		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	X		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	X		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	X		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	X		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	X		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W	X		
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	X		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S	X		
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			X
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	X		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			X
H-157	Is gas containing H2S not used for instrument gas, and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S	X		
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			X
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			X
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			X
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			X
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			X
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			X
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			X
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			X

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			X
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S	X		
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W	X		
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W	X		
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W	X		
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W	X		
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S	X		
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months? 30 CFR 250.490(j)(11)(iv)	W/S	X		
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W	X		
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			X
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			X
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S	X		

LEGEND: W - Warning
 C - Component / Well Shut In
 S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
 DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Public Information

U.S. Department of the Interior
 Bureau of Safety and Environmental
 Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
 OMB Approval Expires 10/31/2014

RECEIVED

OCT 22 2012

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

WELL ACTIVITY REPORT

BEGINNING DATE: 10/19/2012 **ENDING DATE:** 10/20/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-352-0000200						2. OPERATOR NAME Shell Gulf of Mexico Inc					
3. WELL NAME <small>Posey 6764 OCS-Y 2280 001</small>		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer						8. WATER DEPTH (surveyed) (ft) 150			9. ELEVATION AT KB (Surveyed) (ft) 48.5		
10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.				BLOCK NO.	
OCS Y-2280		Posey		6764		OCS Y-2280				6764	
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					N/A				N/A	N/A	N/A
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS Y-2280										

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY

Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

None of the following have occurred:

- Wireline logs (Report when acquired)
- Wireline Directionals (Report when acquired)
- Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
- Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
- PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)

Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

<input type="checkbox"/> Kick Occurrence	<input type="checkbox"/> Well Control Equipment Failure
<input type="checkbox"/> Shallow Water Flow	<input type="checkbox"/> H ₂ S Encounter
<input type="checkbox"/> Weather and Oceanographic Conditions	<input type="checkbox"/> New Technology Failure
<input type="checkbox"/> General Rig Equipment Failure	<input type="checkbox"/> Stuck Pipe
<input type="checkbox"/> Lost Returns	<input type="checkbox"/> Wellbore Integrity Failure
<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Public Information

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 Bureau of Safety and Environmental Enforcement
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BEGINNING DATE: 10/19/2012 **ENDING DATE:** 10/19/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-171-0001300						2. OPERATOR NAME Shell Offshore, Inc					
3. WELL NAME OCS-Y 1805 #001 (Sivulliq N)		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS Shawn Gelsinger/713.594.8531/shawn.gelsinger@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Shell Kulluk						8. WATER DEPTH (surveyed) (ft) 106		9. ELEVATION AT KB (Surveyed) (ft) 68			
10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.				BLOCK NO.	
OCS-Y 1805		Flaxman Island		6658		OCS-Y 1805				6658	
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					n/a				n/a	n/a	n/a
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS-Y 1805										

WELL ACTIVITY REPORT

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TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

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- Please check as many events from the list below:
- | | |
|---|---|
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| <input type="checkbox"/> Shallow Water Flow | <input type="checkbox"/> H ₂ S Encounter |
| <input type="checkbox"/> Weather and Oceanographic Conditions | <input type="checkbox"/> New Technology Failure |
| <input type="checkbox"/> General Rig Equipment Failure | <input type="checkbox"/> Stuck Pipe |
| <input type="checkbox"/> Lost Returns | <input type="checkbox"/> Wellbore Integrity Failure |
| <input type="checkbox"/> Station Keeping Failure | <input type="checkbox"/> Other |

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

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Tankersley, Yolanda J

From: Miller, Chet
Sent: Saturday, October 20, 2012 6:19 AM
To: Monkeliën, Kyle; Fesmire, Mark E; Howell, Randy; Walker, Jeffrey; Shank, Michael L; Crumrine, Kathleen
Subject: Kulluk daily

10-19-12
Kulluk

- Laydown MLC and riser
- Inspect and clean out rock catcher.
- Repair MLC
- Run in hole.

From: [Shank, Michael L](#)
To: [Fesmire, Mark E](#); [Monkelien, Kyle](#); [Miller, Chet](#); [Crumrine, Kathleen](#); [Walker, Jeffrey](#); [Howell, Randy](#)
Subject: Daily Report
Date: Saturday, October 20, 2012 9:35:08 AM

Daily Report
10/19/2012

- Attempted unsuccessfully to pull up GTO suction manifold.
- Turned ship for incoming weather.
- Hooked up hose to GTO pump to clean out well w/o manifold.

Next 24 Hours: TIH and condition well; spot pill; run dye to test GTO; POOH and run casing.

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME ___ Kulluk ___ **INSPECTION DATE** ___ 10-20-12

INSPECTORS NAME: Chet Miller

MODIFIED August 2012

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	1		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	1		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	1		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	1		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	1		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	1		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	1		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	1		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C	10		
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			10
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C	10		
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C	10		
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C	3		7
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	1		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	1		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	1		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	1		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	1		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	1		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C			1
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C			1
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C			1
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C			1
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C			1
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C			1
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C			1

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C			1
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C			1
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W			1
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			1
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	1		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved? 30 CFR 250.300(b)(2)	C/S			1
1 E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	1		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S			1
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	1		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	1		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	1		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	1		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S	1		
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			1
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells? 30 CFR 250.461(a)(2)	S			1
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			1
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W			1
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			1
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved? 30 CFR 250.420	W			0
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			0
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			0
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained? 30 CFR 250.427(b)	W/S			0

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			0
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			0
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			0
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			0
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			0
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			0
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			0
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			0
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			0
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			0
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			0
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			0
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			0
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			0
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			0
D-174	For the final casing string , did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			0
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			0
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			0
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			0
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			0
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			0
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			0

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			0
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			0
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			0
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			0
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			0
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			0
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			0
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			0
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			0
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			0
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			0
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			0
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S	2		
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S	2		
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S	1		
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W	1		
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			0
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			0
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			0
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			0
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			0
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			0
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			0
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			0
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			0
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			0
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			0
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			0
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			0

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			0
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			0
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			0
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			0
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			0
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			0
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			0
D-254	When the BOP test are postponed due to well control problems, is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			0
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			0
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			0
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			0
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			0
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			0
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			0
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes, 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			0
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			0
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			0
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			0
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			0
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			0
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			0
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			0
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			0
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			0
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			0
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			0

<u>INC#</u>	<u>WELL-CONTROL DRILLS</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			0
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W			0
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			0
	<u>DIVERTER SYSTEMS</u>				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			0
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			0
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, <u>actuation-tested</u> and the vent lines flow tested when installed? 30 CFR 250.433	W			0
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			0
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			0
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			0
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			0
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			0
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			0
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			0
D-314	Is the control station used during the diverter test or actuation <u>identified</u> ? 30 CFR 250.434(c)	W			0
	<u>SURFACE DIVERTER SYSTEM</u>				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			0
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			0
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			0
D-322	Is the spool outlet and diverter line nominal diameter at <u>least 10 inches</u> for surface wellhead configurations and at <u>least 12 inches for floating drilling operations</u> ? 30 CFR 250.431(a)	S			0
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			0
D-326	Is diverter sealing elements and diverter valves pressure tested to a <u>minimum of 200 psi</u> when nipped up on conductor casing, with no more than <u>7 days elapsed time</u> between subsequent tests? 30 CFR 250.433(a)	W/S			0
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, <u>conducted at least once every 24 hour period alternating between control stations for surface diverter systems</u> ? 30 CFR 250.433(a), 250.433(c)	W			0
D-334	Is vessel heading maintained to allow for downwind diversion on <u>dynamically-positions drill ships</u> ? 30 CFR 250.432(d)	S			0
	<u>DRILLING FLUID PROGRAM</u>				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation <u>was not</u> necessary? 30 CFR 250.456(a)	W			0
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level <u>decreases the hydrostatic pressure by 75 psi</u> , or <u>every 5 stands of drill pipe</u> , whichever gives a <u>lower decrease in hydrostatic pressure</u> ? 30 CFR 250.456(c)	W			0
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			0

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			0
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W			0
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S			0
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			0
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			0
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			0
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S			0
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S			0
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S			0
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S			0
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	1		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	1		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			0
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S			0
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S			0
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S			0
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S			0
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S			0
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S			0
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			0
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S			0
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S			0
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			0

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	1		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	1		
<u>APPLICATION FOR PERMIT TO DRILL</u>					
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S	1		
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			0
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	0		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			0
<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>					
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			0
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			0
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			0
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			0
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			0
<u>SUBSEA BOP SYSTEMS</u>					
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			0
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			0
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			0
<u>STUMP TEST</u>					
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			0
<u>INITIAL INSTALLATION TEST</u>					
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			0
<u>HYDROGEN SULFIDE</u>					
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S			0
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S			0
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C			0

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C			0
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C			0
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C			0
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W			0
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W			0
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C			0
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			0
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card? 30 CFR 250.490(g)(2)(i, ii)	W			0
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W			0
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C			0
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C			0
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S			0
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			0
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S			0
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S			0
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S			0
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S			0
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C			0
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C			0
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C			0
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W			0
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S			0
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W			0
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S			0
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C			0
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C			0

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C			0
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C			0
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S			0
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S			0
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S			0
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W			0
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W			0
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S			0
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S			0
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S			0
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			0
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W			0
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S			0
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S			0
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			0
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S			0
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			0
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S			0
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			0
H-160	When conducting coring operations , is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			0
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			0
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			0
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			0
H-164	During stripping operations , is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			0
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			0
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			0

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			0
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S			0
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W			0
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W			0
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W			0
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W			0
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S			0
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months ? 30 CFR 250.490(j)(11)(iv)	W/S			0
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W			0
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			0
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			0
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S			0

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Daily Report
10/20/2012

- Performed wiper trip; circulated mud.
- Pumped fluid caliper twice to estimate washout.
- Spotted pill then POOH.

Next 24 Hours: Run 20" casing weather permitting.

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer INSPECTION DATE 10/20/2012

INSPECTORS NAME Michael Shank

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	X		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	X		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	X		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	X		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	X		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	X		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	X		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	X		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C			X
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			X
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			X
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C			X
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C			X
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	X		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	X		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	X		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	X		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	X		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	X		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	X		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	X		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	X		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	X		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	X		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C	X		
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C	X		

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C	X		
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C	X		
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W	X		
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			X
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	X		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S	X		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	X		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	X		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	X		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	X		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	X		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	X		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S			X
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			X
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			X
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			X
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W	X		
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			X
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W	X		
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S	X		
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			X
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			X

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W	X		
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W	X		
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S	X		
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			X
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			X
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			X
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			X
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			X
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W	X		
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			X
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			X
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			X
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			X
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			X
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			X
D-174	For the final casing string, did the operator install Dual Mechanical Barriers in addition to cement, to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S	X		
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			X
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			X
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			X
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			X
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			X
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			X

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			X
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			X
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			X
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			X
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			X
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			X
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			X
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			X
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			X
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			X
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			X
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			X
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			X
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			X
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S			X
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			X
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			X
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			X
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			X
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			X
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			X
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			X
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			X
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			X
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			X
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			X
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			X
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			X
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			X

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			X
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			X
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			X
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			X
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			X
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			X
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			X
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			X
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			X
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			X
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			X
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			X
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			X
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			X
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			X
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			X
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			X
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			X
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			X
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			X
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			X
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			X
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			X
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			X
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			X
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			X

INC#	WELL-CONTROL DRILLS	CODE	YES	NO	N/A
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			X
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	X		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			X
	DIVERTER SYSTEMS				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			X
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			X
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, actuation-tested and the vent lines flow tested when installed? 30 CFR 250.433	W			X
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			X
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			X
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			X
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			X
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			X
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			X
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			X
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			X
D-314	Is the control station used during the diverter test or actuation identified? 30 CFR 250.434(c)	W			X
	SURFACE DIVERTER SYSTEM				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			X
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			X
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			X
D-322	Is the spool outlet and diverter line nominal diameter at least 10 inches for surface wellhead configurations and at least 12 inches for floating drilling operations? 30 CFR 250.431(a)	S			X
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			X
D-326	Is diverter sealing elements and diverter valves pressure tested to a minimum of 200 psi when nipped up on conductor casing, with no more than 7 days elapsed time between subsequent tests? 30 CFR 250.433(a)	W/S			X
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for surface diverter systems? 30 CFR 250.433(a), 250.433(c)	W			X
D-334	Is vessel heading maintained to allow for downwind diversion on dynamically-positions drill ships? 30 CFR 250.432(d)	S			X
	DRILLING FLUID PROGRAM				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W	X		
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level decreases the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a lower decrease in hydrostatic pressure? 30 CFR 250.456(c)	W	X		
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W	X		

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W	X		
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	X		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	X		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			X
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			X
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			X
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	X		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	X		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	3		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	X		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	X		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			X
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	X		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	X		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	X		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	X		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	5		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	X		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			X
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	X		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	12		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			X

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	X		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	X		
	<u>APPLICATION FOR PERMIT TO DRILL</u>				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S			X
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			X
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	X		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			X
	<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			X
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			X
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			X
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			X
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			X
	<u>SUBSEA BOP SYSTEMS</u>				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			X
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			X
D-602	If Operator Activated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			X
	<u>STUMP TEST</u>				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			X
	<u>INITIAL INSTALLATION TEST</u>				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			X
	<u>HYDROGEN SULFIDE</u>				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	X		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	X		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	X		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	X		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	X		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	X		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	X		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W	X		
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	X		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			X
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card? 30 CFR 250.490(g)(2)(i, ii)	W	X		
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W	X		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	X		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C	X		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			X
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	X		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	X		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	X		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	X		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	X		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	X		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	X		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	X		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C	X		
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C	X		

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C	X		
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C	X		
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S	X		
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	X		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	X		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	X		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	X		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	X		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	X		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W	X		
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	X		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S	X		
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			X
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	X		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			X
H-157	Is gas containing H2S not used for instrument gas, and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S	X		
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			X
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			X
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			X
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			X
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			X
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			X
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			X
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			X

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			X
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S	X		
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W	X		
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W	X		
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W	X		
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W	X		
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S	X		
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months? 30 CFR 250.490(j)(11)(iv)	W/S	X		
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W	X		
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			X
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			X
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S	X		

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Public Information

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
OMB Approval Expires 10/31/2014

RECEIVED

OCT 22 2012

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

WELL ACTIVITY REPORT

BEGINNING DATE: 10/20/2012 ENDING DATE: 10/21/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-352-0000200						2. OPERATOR NAME Shell Gulf of Mexico Inc					
3. WELL NAME <small>Posey 6764 OCS-Y 2280 001</small>		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer						8. WATER DEPTH (surveyed) (ft) 150		9. ELEVATION AT KB (Surveyed) (ft) 48.5			
10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.				BLOCK NO.	
OCS Y-2280		Posey		6764		OCS Y-2280				6764	
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					N/A				N/A	N/A	N/A
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS Y-2280										

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 *et seq.*) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Tankersley, Yolanda J

From: Miller, Chet
Sent: Sunday, October 21, 2012 6:21 AM
To: Fesmire, Mark E; Monkeliën, Kyle; Howell, Randy; Shank, Michael L; Walker, Jeffrey; Crumrine, Kathleen
Subject: Kulluk Daily

Kulluk
10-21-12

- Complete the repairs of the MLC
- Run MLC to bottom and continue to drill
- Pumping 4200 bbl. Waste water tank to the Sisquak

From: [Shank, Michael L](#)
To: [Fesmire, Mark E](#); [Monkelien, Kyle](#); [Miller, Chet](#); [Crumrine, Kathleen](#); [Walker, Jeffrey](#); [Howell, Randy](#)
Subject: Daily Report
Date: Sunday, October 21, 2012 9:36:10 AM

Daily Report
10/20/2012

- Performed wiper trip; circulated mud.
- Pumped fluid caliper twice to estimate washout.
- Spotted pill then POOH.

Next 24 Hours: Run 20" casing weather permitting.

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME ___ Kulluk ___ **INSPECTION DATE** ___ 10-21-12

INSPECTORS NAME: Chet Miller

MODIFIED August 2012

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	1		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	1		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	1		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	1		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	1		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	1		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	1		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	1		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C	10		
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			10
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C	10		
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C	10		
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C	3		7
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	1		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	1		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	1		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	1		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	1		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	1		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	1		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	1		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	1		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	1		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	1		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C	1		
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C	1		

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C	1		
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C			
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W	1		
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C	1		
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	1		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S			1
1 E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	1		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S			1
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	1		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	1		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	1		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	1		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S	1		
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			1
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			1
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			1
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W			1
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			1
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W			0
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			0
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			0
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			0

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			0
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			0
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			0
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			0
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			0
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			0
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			0
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			0
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			0
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			0
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			0
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			0
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			0
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			0
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			0
D-174	For the final casing string , did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			0
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			0
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			0
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			0
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			0
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			0
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			0

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			0
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			0
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			0
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			0
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			0
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			0
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			0
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			0
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			0
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			0
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			0
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			0
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S	2		
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S	2		
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S	1		
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W	1		
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			0
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			0
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			0
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			0
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			0
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			0
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			0
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			0
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			0
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			0
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			0
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			0
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			0

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			0
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			0
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			0
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			0
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			0
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			0
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			0
D-254	When the BOP test are postponed due to well control problems, is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			0
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			0
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			0
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			0
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			0
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			0
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			0
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes, 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			0
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			0
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			0
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			0
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			0
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			0
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			0
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			0
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			0
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			0
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			0
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			0

<u>INC#</u>	<u>WELL-CONTROL DRILLS</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			0
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W			0
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			0
	<u>DIVERTER SYSTEMS</u>				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			0
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			0
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, <u>actuation-tested</u> and the vent lines flow tested when installed? 30 CFR 250.433	W			0
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			0
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			0
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			0
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			0
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			0
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			0
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			0
D-314	Is the control station used during the diverter test or actuation <u>identified</u> ? 30 CFR 250.434(c)	W			0
	<u>SURFACE DIVERTER SYSTEM</u>				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			0
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			0
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			0
D-322	Is the spool outlet and diverter line nominal diameter at <u>least 10 inches</u> for surface wellhead configurations and at <u>least 12 inches for floating drilling operations</u> ? 30 CFR 250.431(a)	S			0
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			0
D-326	Is diverter sealing elements and diverter valves pressure tested to a <u>minimum of 200 psi</u> when nipped up on conductor casing, with no more than <u>7 days elapsed time</u> between subsequent tests? 30 CFR 250.433(a)	W/S			0
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, <u>conducted at least once every 24 hour period alternating between control stations for surface diverter systems</u> ? 30 CFR 250.433(a), 250.433(c)	W			0
D-334	Is vessel heading maintained to allow for downwind diversion on <u>dynamically-positions drill ships</u> ? 30 CFR 250.432(d)	S			0
	<u>DRILLING FLUID PROGRAM</u>				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation <u>was not</u> necessary? 30 CFR 250.456(a)	W			0
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level <u>decreases the hydrostatic pressure by 75 psi</u> , or <u>every 5 stands of drill pipe</u> , whichever gives a <u>lower decrease in hydrostatic pressure</u> ? 30 CFR 250.456(c)	W			0
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			0

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			0
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W			0
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S			0
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			0
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			0
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			0
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S			0
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S			0
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S			0
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S			0
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	1		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	1		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			0
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S			0
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S			0
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S			0
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S			0
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S			0
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S			0
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			0
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S			0
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S			0
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			0

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	1		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	1		
	<u>APPLICATION FOR PERMIT TO DRILL</u>				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S	1		
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			0
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	0		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			0
	<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			0
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			0
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			0
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			0
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			0
	<u>SUBSEA BOP SYSTEMS</u>				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			0
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			0
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			0
	<u>STUMP TEST</u>				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			0
	<u>INITIAL INSTALLATION TEST</u>				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			0
	<u>HYDROGEN SULFIDE</u>				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S			0
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S			0
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C			0

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C			0
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C			0
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C			0
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W			0
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W			0
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C			0
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			0
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card? 30 CFR 250.490(g)(2)(i, ii)	W			0
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W			0
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C			0
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C			0
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S			0
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			0
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S			0
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S			0
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S			0
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S			0
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C			0
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C			0
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C			0
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W			0
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S			0
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W			0
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S			0
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C			0
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C			0

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C			0
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C			0
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S			0
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S			0
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S			0
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W			0
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W			0
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S			0
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S			0
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S			0
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			0
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W			0
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S			0
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S			0
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			0
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S			0
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			0
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S			0
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			0
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			0
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			0
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			0
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			0
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			0
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			0
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			0

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			0
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S			0
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W			0
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W			0
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W			0
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W			0
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S			0
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months ? 30 CFR 250.490(j)(11)(iv)	W/S			0
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W			0
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			0
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			0
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S			0

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that was physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Welding in the moon pool area.

Rig fire and abandon drill.

Daily Report
10/21/2012

- Dropped GTO manifold hose into MLC.
- Cannot stab bit into the wellhead.

Next 24 hours: Try to find out why they can't enter the hole. Run casing.

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer INSPECTION DATE 10/21/2012

INSPECTORS NAME Michael Shank

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	X		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	X		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	X		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	X		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	X		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	X		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	X		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	X		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C			X
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			X
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			X
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C			X
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C			X
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	X		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	X		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	X		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	X		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	X		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	X		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	X		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	X		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	X		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	X		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	X		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C	X		
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C	X		

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C	X		
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C	X		
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W	X		
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			X
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	X		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S	X		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	X		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	X		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	X		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	X		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	X		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	X		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S			X
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			X
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			X
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			X
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W	X		
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			X
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W	X		
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S	X		
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			X
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			X

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W	X		
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W	X		
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S	X		
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			X
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			X
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			X
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			X
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			X
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W	X		
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			X
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			X
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			X
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			X
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			X
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			X
D-174	For the final casing string , did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S	X		
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			X
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			X
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			X
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			X
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			X
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			X

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			X
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			X
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			X
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			X
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			X
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			X
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			X
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			X
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			X
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			X
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			X
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			X
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			X
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			X
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S			X
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			X
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			X
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			X
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			X
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			X
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			X
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			X
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			X
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			X
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			X
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			X
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			X
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			X
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			X

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			X
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			X
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			X
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			X
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			X
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			X
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			X
D-254	When the BOP test are postponed due to well control problems, is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			X
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			X
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			X
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			X
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			X
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			X
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			X
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes, 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			X
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			X
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			X
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			X
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			X
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			X
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			X
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			X
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			X
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			X
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			X
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			X

INC#	WELL-CONTROL DRILLS	CODE	YES	NO	N/A
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			X
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	X		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			X
	DIVERTER SYSTEMS				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			X
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			X
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, actuation-tested and the vent lines flow tested when installed? 30 CFR 250.433	W			X
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			X
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			X
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			X
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			X
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			X
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			X
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			X
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			X
D-314	Is the control station used during the diverter test or actuation identified? 30 CFR 250.434(c)	W			X
	SURFACE DIVERTER SYSTEM				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			X
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			X
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			X
D-322	Is the spool outlet and diverter line nominal diameter at least 10 inches for surface wellhead configurations and at least 12 inches for floating drilling operations? 30 CFR 250.431(a)	S			X
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			X
D-326	Is diverter sealing elements and diverter valves pressure tested to a minimum of 200 psi when nipped up on conductor casing, with no more than 7 days elapsed time between subsequent tests? 30 CFR 250.433(a)	W/S			X
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for surface diverter systems? 30 CFR 250.433(a), 250.433(c)	W			X
D-334	Is vessel heading maintained to allow for downwind diversion on dynamically-positions drill ships? 30 CFR 250.432(d)	S			X
	DRILLING FLUID PROGRAM				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W	X		
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level decreases the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a lower decrease in hydrostatic pressure? 30 CFR 250.456(c)	W	X		
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W	X		

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W	X		
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	X		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	X		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			X
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			X
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			X
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	X		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	X		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	3		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	X		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	X		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			X
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	X		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	X		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	X		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	X		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	5		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	X		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			X
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	X		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	12		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			X

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	X		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	X		
<u>APPLICATION FOR PERMIT TO DRILL</u>					
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S			X
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			X
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	X		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			X
<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>					
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			X
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			X
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			X
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			X
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			X
<u>SUBSEA BOP SYSTEMS</u>					
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			X
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			X
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			X
<u>STUMP TEST</u>					
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			X
<u>INITIAL INSTALLATION TEST</u>					
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			X
<u>HYDROGEN SULFIDE</u>					
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	X		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	X		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	X		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	X		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	X		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	X		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	X		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W	X		
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	X		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			X
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card? 30 CFR 250.490(g)(2)(i, ii)	W	X		
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W	X		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	X		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C	X		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			X
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	X		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	X		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	X		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	X		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	X		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	X		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	X		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	X		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C	X		
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C	X		

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C	X		
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C	X		
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S	X		
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	X		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	X		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	X		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	X		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	X		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	X		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W	X		
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	X		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S	X		
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			X
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	X		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			X
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S	X		
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			X
H-160	When conducting coring operations , is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			X
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			X
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			X
H-163	During stripping operations , are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			X
H-164	During stripping operations , is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			X
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			X
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			X

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			X
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S	X		
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W	X		
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W	X		
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W	X		
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W	X		
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S	X		
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months? 30 CFR 250.490(j)(11)(iv)	W/S	X		
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W	X		
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			X
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			X
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S	X		

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Public Information

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
OMB Approval Expires 10/31/2014

RECEIVED

OCT 24 2012

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

WELL ACTIVITY REPORT

BEGINNING DATE: 10/21/2012 ENDING DATE: 10/22/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-352-0000200					2. OPERATOR NAME Shell Gulf of Mexico Inc						
3. WELL NAME Posey 6764 OCS-Y 2280 001		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer					8. WATER DEPTH (surveyed) (ft) 150			9. ELEVATION AT KB (Surveyed) (ft) 48.5			
10. CURRENT WELLBORE INFORMATION											
SURFACE					BOTTOM						
LEASE NO.		AREA NAME		BLOCK NO.	LEASE NO.				BLOCK NO.		
OCS Y-2280		Posey		6764	OCS Y-2280				6764		
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					N/A				N/A	N/A	N/A
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS Y-2280										

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY

Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

None of the following have occurred:

- I** Wireline logs (Report when acquired)
- I** Wireline Directionals (Report when acquired)
- I** Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
- I** Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
- I** PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)

Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

<input type="checkbox"/> Kick Occurrence <input type="checkbox"/> Shallow Water Flow <input type="checkbox"/> Weather and Oceanographic Conditions <input type="checkbox"/> General Rig Equipment Failure <input type="checkbox"/> Lost Returns <input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Well Control Equipment Failure <input type="checkbox"/> H ₂ S Encounter <input type="checkbox"/> New Technology Failure <input type="checkbox"/> Stuck Pipe <input type="checkbox"/> Wellbore Integrity Failure <input type="checkbox"/> Other
---	---

Public Information

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Public Information

U.S. Department of the Interior
 Bureau of Safety and Environmental
 Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
 OMB Approval Expires 10/31/2014

RECEIVED

OCT 24 2012

WELL ACTIVITY REPORT

BEGINNING DATE: 10/21/2012 **ENDING DATE:** 10/21/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

CORRECTION CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT

GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-171-0001300					2. OPERATOR NAME Shell Offshore, Inc						
3. WELL NAME OCS-Y 1805 #001 (Sivulliq N)		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS Shawn Gelsinger/713.594.8531/shawn.gelsinger@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Shell Kulluk					8. WATER DEPTH (surveyed) (ft) 106			9. ELEVATION AT KB (Surveyed) (ft) 68			
10. CURRENT WELLBORE INFORMATION											
SURFACE					BOTTOM						
LEASE NO.	AREA NAME	BLOCK NO.			LEASE NO.			BLOCK NO.			
OCS-Y 1805	Flaxman Island	6658			OCS-Y 1805			6658			
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					n/a				n/a	n/a	n/a
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS-Y 1805										

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

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Please check as many events from the list below:

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<input type="checkbox"/> Shallow Water Flow	<input type="checkbox"/> H ₂ S Encounter
<input type="checkbox"/> Weather and Oceanographic Conditions	<input type="checkbox"/> New Technology Failure
<input type="checkbox"/> General Rig Equipment Failure	<input type="checkbox"/> Stuck Pipe
<input type="checkbox"/> Lost Returns	<input type="checkbox"/> Wellbore Integrity Failure
<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 ~~et seq.~~) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

From: [Shank, Michael L](#)
To: [Fesmire, Mark E](#); [Monkelien, Kyle](#); [Miller, Chet](#); [Crumrine, Kathleen](#); [Walker, Jeffrey](#); [Howell, Randy](#)
Subject: Daily Report
Date: Monday, October 22, 2012 7:44:58 AM

Daily Report
10/21/2012

- Dropped GTO manifold hose into MLC.
- Cannot stab bit into the wellhead.

Next 24 hours: Try to find out why they can't enter the hole. Run casing.

Tankersley, Yolanda J

From: Miller, Chet
Sent: Monday, October 22, 2012 8:27 AM
To: Fesmire, Mark E; Monkeliën, Kyle; Howell, Randy; Crumrine, Kathleen; Shank, Michael L; Walker, Jeffrey
Subject: Kulluk morning report

1-22-12

- Run repaired MCL to bottom and drill ahead.
- 37 ft. of MCL complete
- Plan to complete MCL and clean out 30 inch hole
- Run casing

Daily Report
10/22/2012

-Found well with drill string.

(b) (4), (b) (9)

Next 24 Hours: Finish running casing. Cement well.

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer INSPECTION DATE 10/22/2012

INSPECTORS NAME Michael Shank

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	X		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	X		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	X		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	X		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	X		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	X		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	X		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	X		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C			X
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			X
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			X
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C			X
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C			X
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	X		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	X		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	X		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	X		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	X		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	X		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	X		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	X		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	X		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	X		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	X		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C	X		
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C	X		

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C	X		
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C	X		
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W	X		
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			X
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	X		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S	X		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	X		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	X		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	X		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	X		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	X		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	X		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S			X
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			X
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			X
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			X
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W	X		
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			X
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W	X		
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S	X		
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			X
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			X

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W	X		
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W	X		
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S	X		
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			X
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			X
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			X
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			X
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			X
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W	X		
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			X
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			X
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			X
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			X
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			X
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			X
D-174	For the final casing string, did the operator install Dual Mechanical Barriers in addition to cement, to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S	X		
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			X
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			X
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			X
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			X
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			X
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			X

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			X
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			X
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			X
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			X
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			X
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			X
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			X
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			X
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			X
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			X
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			X
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			X
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			X
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			X
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S			X
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			X
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			X
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			X
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			X
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			X
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			X
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			X
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			X
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			X
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			X
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			X
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			X
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			X
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			X

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			X
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			X
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			X
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			X
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			X
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			X
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			X
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			X
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			X
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			X
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			X
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			X
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			X
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			X
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			X
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			X
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			X
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			X
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			X
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			X
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			X
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			X
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			X
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			X
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			X
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			X

INC#	WELL-CONTROL DRILLS	CODE	YES	NO	N/A
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			X
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	X		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			X
	DIVERTER SYSTEMS				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			X
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			X
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, actuation-tested and the vent lines flow tested when installed? 30 CFR 250.433	W			X
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			X
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			X
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			X
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			X
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			X
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			X
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			X
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			X
D-314	Is the control station used during the diverter test or actuation identified? 30 CFR 250.434(c)	W			X
	SURFACE DIVERTER SYSTEM				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			X
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			X
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			X
D-322	Is the spool outlet and diverter line nominal diameter at least 10 inches for surface wellhead configurations and at least 12 inches for floating drilling operations? 30 CFR 250.431(a)	S			X
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			X
D-326	Is diverter sealing elements and diverter valves pressure tested to a minimum of 200 psi when nipped up on conductor casing, with no more than 7 days elapsed time between subsequent tests? 30 CFR 250.433(a)	W/S			X
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for surface diverter systems? 30 CFR 250.433(a), 250.433(c)	W			X
D-334	Is vessel heading maintained to allow for downwind diversion on dynamically-positions drill ships? 30 CFR 250.432(d)	S			X
	DRILLING FLUID PROGRAM				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W	X		
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level decreases the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a lower decrease in hydrostatic pressure? 30 CFR 250.456(c)	W	X		
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W	X		

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W	X		
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	X		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	X		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			X
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			X
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			X
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	X		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	X		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	3		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	X		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	X		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			X
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	X		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	X		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	X		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	X		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	5		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	X		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			X
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	X		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	12		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			X

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	X		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	X		
<u>APPLICATION FOR PERMIT TO DRILL</u>					
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S			X
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			X
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	X		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			X
<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>					
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			X
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			X
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			X
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			X
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			X
<u>SUBSEA BOP SYSTEMS</u>					
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			X
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			X
D-602	If Operator Activated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			X
<u>STUMP TEST</u>					
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			X
<u>INITIAL INSTALLATION TEST</u>					
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			X
<u>HYDROGEN SULFIDE</u>					
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	X		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	X		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	X		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	X		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	X		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	X		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	X		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W	X		
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	X		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			X
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card ? 30 CFR 250.490(g)(2)(i, ii)	W	X		
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility ? 30 CFR 250.490(k)(3)(i)	W	X		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	X		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C	X		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			X
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	X		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	X		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	X		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	X		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	X		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	X		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	X		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	X		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C	X		
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C	X		

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C	X		
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C	X		
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S	X		
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	X		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	X		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	X		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	X		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	X		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	X		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W	X		
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	X		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S	X		
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			X
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	X		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			X
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S	X		
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			X
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			X
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			X
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			X
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			X
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			X
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			X
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			X

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			X
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S	X		
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W	X		
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W	X		
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W	X		
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W	X		
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S	X		
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months ? 30 CFR 250.490(j)(11)(iv)	W/S	X		
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W	X		
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			X
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			X
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S	X		

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Public Information

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
OMB Approval Expires 10/31/2014

WELL ACTIVITY REPORT

BEGINNING DATE: 10/22/2012 ENDING DATE: 10/23/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

RECEIVED

OCT 24 2012

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-352-0000200					2. OPERATOR NAME Shell Gulf of Mexico Inc						
3. WELL NAME <small>Posey 6764 OCS-Y 2280 001</small>		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer					8. WATER DEPTH (surveyed) (ft) 150		9. ELEVATION AT KB (Surveyed) (ft) 48.5				
10. CURRENT WELLBORE INFORMATION											
SURFACE					BOTTOM						
LEASE NO.	AREA NAME	BLOCK NO.			LEASE NO.	BLOCK NO.					
OCS Y-2280	Posey	6764			OCS Y-2280	6764					
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					N/A				N/A	N/A	N/A
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS Y-2280										

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY

Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

None of the following have occurred:

- Wireline logs (Report when acquired)
- Wireline Directionals (Report when acquired)
- Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
- Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
- PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)

Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

<input type="checkbox"/> Kick Occurrence	<input type="checkbox"/> Well Control Equipment Failure
<input type="checkbox"/> Shallow Water Flow	<input type="checkbox"/> H ₂ S Encounter
<input type="checkbox"/> Weather and Oceanographic Conditions	<input type="checkbox"/> New Technology Failure
<input type="checkbox"/> General Rig Equipment Failure	<input type="checkbox"/> Stuck Pipe
<input type="checkbox"/> Lost Returns	<input type="checkbox"/> Wellbore Integrity Failure
<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other

Public Information

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Public Information

U.S. Department of the Interior
 Bureau of Safety and Environmental
 Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
 OMB Approval Expires 10/31/2014

RECEIVED

OCT 24 2012

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

WELL ACTIVITY REPORT

BEGINNING DATE: 10/22/2012 ENDING DATE: 10/22/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-171-0001300						2. OPERATOR NAME Shell Offshore, Inc					
3. WELL NAME OCS-Y 1805 #001 (Sivulliq N)		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS Shawn Gelsinger/713.594.8531/shawn.gelsinger@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Shell Kulluk						8. WATER DEPTH (surveyed) (ft) 106			9. ELEVATION AT KB (Surveyed) (ft) 68		
10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.				BLOCK NO.	
OCS-Y 1805		Flaxman Island		6658		OCS-Y 1805				6658	
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					n/a				n/a	n/a	n/a
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS-Y 1805										

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

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- Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
- PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)

Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

<input type="checkbox"/> Kick Occurrence	<input type="checkbox"/> Well Control Equipment Failure
<input type="checkbox"/> Shallow Water Flow	<input type="checkbox"/> H ₂ S Encounter
<input type="checkbox"/> Weather and Oceanographic Conditions	<input type="checkbox"/> New Technology Failure
<input type="checkbox"/> General Rig Equipment Failure	<input type="checkbox"/> Stuck Pipe
<input type="checkbox"/> Lost Returns	<input type="checkbox"/> Wellbore Integrity Failure
<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Shank, Michael L

From: Shank, Michael L
Sent: Tuesday, October 23, 2012 7:25 PM
To: Fesmire, Mark E; Monkeliën, Kyle; Miller, Chet; Missal, Jeffrey H; Crumrine, Kathleen; Walker, Jeffrey; Howell, Randy; Bohl, Christy
Subject: Discoverer: Unknown discharge

At approximately 1700 today a discoloration was noticed on the surface of the water off the port side of the ship. Pollution was about 90' long and 10' wide and quickly dispersed. No iridescent sheen was noticed at any time. A sample was taken by the compliance engineer and a static sheen test performed. The results of the static sheen test were negative for hydrocarbons and no determination as to the composition of the pollution could be determined at this time. A sample was retained for future testing.

From: [Shank, Michael L](#)
To: [Fesmire, Mark E](#); [Monkelien, Kyle](#); [Miller, Chet](#); [Crumrine, Kathleen](#); [Walker, Jeffrey](#); [Howell, Randy](#)
Subject: Daily Report
Date: Tuesday, October 23, 2012 7:48:52 AM

Daily Report
10/23/2012

-Found well with drill string.

(b) (4), (b) (9)

Next 24 Hours: Finish running casing. Cement well.

Tankersley, Yolanda J

From: Miller, Chet
Sent: Tuesday, October 23, 2012 8:21 AM
To: Fesmire, Mark E; Monkeliën, Kyle; Howell, Randy; Shank, Michael L; Crumrine, Kathleen; Walker, Jeffrey
Subject: Kulluk Daily

10-23-12

- (b) (4), (b) (9) .
- Plan to POOH with MCL and lay down.
- Rig up and RIH with 36 inch BHA and clean out prep for casing job.

Note: Educator discharge pipe broke off. Recovered and continued to drill out MLC.

Daily Report
10/23/2012

-Finished running 20" casing.

(b) (4), (b) (9)

Next 24 Hours: WOC. TA well.

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer INSPECTION DATE 10/23/2012

INSPECTORS NAME Michael Shank

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	X		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	X		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	X		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	X		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	X		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	X		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	X		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	X		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C			X
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			X
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			X
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C			X
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C			X
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	X		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	X		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	X		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	X		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	X		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	X		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	X		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	X		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	X		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	X		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	X		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C	X		
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C	X		

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C	X		
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C	X		
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W	X		
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			X
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	X		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S	X		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	X		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	X		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	X		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	X		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	X		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	X		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S			X
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S	X		
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S	X		
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			X
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W	X		
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			X
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W	X		
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S	X		
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			X
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			X

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W	X		
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W	X		
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S	X		
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			X
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			X
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			X
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			X
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			X
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W	X		
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			X
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			X
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			X
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			X
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			X
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			X
D-174	For the final casing string, did the operator install Dual Mechanical Barriers in addition to cement, to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			X
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			X
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			X
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			X
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			X
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			X
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			X

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			X
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			X
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			X
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			X
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			X
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			X
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			X
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			X
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			X
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			X
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			X
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			X
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			X
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			X
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S			X
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			X
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			X
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			X
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			X
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			X
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			X
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			X
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			X
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			X
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			X
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			X
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			X
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			X
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			X

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			X
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			X
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			X
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			X
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			X
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			X
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			X
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			X
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			X
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			X
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			X
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			X
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			X
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			X
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			X
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			X
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			X
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			X
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			X
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			X
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			X
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			X
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			X
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			X
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			X
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			X

<u>INC#</u>	<u>WELL-CONTROL DRILLS</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W	X		
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	X		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W	X		
	<u>DIVERTER SYSTEMS</u>				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			X
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			X
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, <u>actuation-tested</u> and the vent lines flow tested when installed? 30 CFR 250.433	W			X
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			X
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			X
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			X
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			X
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			X
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			X
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			X
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			X
D-314	Is the control station used during the diverter test or actuation <u>identified</u> ? 30 CFR 250.434(c)	W			X
	<u>SURFACE DIVERTER SYSTEM</u>				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			X
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			X
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			X
D-322	Is the spool outlet and diverter line nominal diameter at <u>least 10 inches</u> for surface wellhead configurations and at <u>least 12 inches for floating drilling operations</u> ? 30 CFR 250.431(a)	S			X
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			X
D-326	Is diverter sealing elements and diverter valves pressure tested to a <u>minimum of 200 psi</u> when nipped up on conductor casing, with no more than <u>7 days elapsed</u> time between subsequent tests? 30 CFR 250.433(a)	W/S			X
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, <u>conducted at least once every 24 hour period alternating between control stations for surface diverter systems</u> ? 30 CFR 250.433(a), 250.433(c)	W			X
D-334	Is vessel heading maintained to allow for downwind diversion on <u>dynamically-positions drill ships</u> ? 30 CFR 250.432(d)	S			X
	<u>DRILLING FLUID PROGRAM</u>				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation <u>was not</u> necessary? 30 CFR 250.456(a)	W	X		
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level <u>decreases the hydrostatic pressure by 75 psi</u> , or <u>every 5 stands of drill pipe</u> , whichever gives a <u>lower decrease in hydrostatic pressure</u> ? 30 CFR 250.456(c)	W	X		
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W	X		

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W	X		
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	X		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	X		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			X
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			X
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			X
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	X		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	X		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	3		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	X		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	X		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			X
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	X		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	X		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	X		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	X		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	5		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	X		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			X
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	X		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	12		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			X

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	X		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	X		
<u>APPLICATION FOR PERMIT TO DRILL</u>					
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S			X
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			X
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	X		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			X
<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>					
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			X
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			X
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			X
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			X
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			X
<u>SUBSEA BOP SYSTEMS</u>					
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			X
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			X
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			X
<u>STUMP TEST</u>					
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			X
<u>INITIAL INSTALLATION TEST</u>					
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			X
<u>HYDROGEN SULFIDE</u>					
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	X		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	X		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	X		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	X		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	X		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	X		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	X		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W	X		
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	X		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			X
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card? 30 CFR 250.490(g)(2)(i, ii)	W	X		
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W	X		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	X		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C	X		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			X
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	X		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	X		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	X		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	X		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	X		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	X		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	X		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	X		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C	X		
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C	X		

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C	X		
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C	X		
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S	X		
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	X		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	X		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	X		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	X		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	X		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	X		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W	X		
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	X		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S	X		
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			X
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	X		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			X
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S	X		
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			X
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			X
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			X
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			X
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			X
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			X
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			X
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			X

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			X
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S	X		
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W	X		
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W	X		
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W	X		
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W	X		
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S	X		
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months? 30 CFR 250.490(j)(11)(iv)	W/S	X		
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W	X		
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			X
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			X
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S	X		

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

RECEIVED

OCT 29 2012

WELL ACTIVITY REPORT

BEGINNING DATE: 10/23/2012 ENDING DATE: 10/24/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Prudhoe Bay, Alaska

CORRECTION CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT

GENERAL INFORMATION

1. API WELL NO. (10 digits) 55-352-0000200			2. OPERATOR NAME Shell Gulf of Mexico Inc		
3. WELL NAME <small>Posey 6764 OCS-Y 2280 001</small>	4. SIDETRACK NO. 00	5. BYPASS NO. 00	6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com		
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer			8. WATER DEPTH (surveyed) (ft) 150	9. ELEVATION AT KB (Surveyed) (ft) 48.5	

10. CURRENT WELLBORE INFORMATION

SURFACE					BOTTOM						
LEASE NO.	AREA NAME	BLOCK NO.			LEASE NO.	BLOCK NO.					
OCS Y-2280	Posey	6764			OCS Y-2280	6764					
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					N/A				N/A	N/A	N/A

11. WELLBORE HISTORICAL INFORMATION

WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD
	OCS Y-2280					

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY
Provide a daily summary of well activities.

14. Open Hole Log Data
<p>BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:</p> <p><input type="checkbox"/> None of the following have occurred:</p> <ul style="list-style-type: none"> ‡ Wireline logs (Report when acquired) ‡ Wireline Directionals (Report when acquired) ‡ Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired) ‡ Completed MWD/LWD logs and Mudlogs - (Report when they are completed.) ‡ PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole) <p><input type="checkbox"/> Any of the above have occurred; if checked then submit Form BSEE-133S.</p>

15. Significant Well Events		
<p>Please check as many events from the list below:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> Kick Occurrence <input type="checkbox"/> Shallow Water Flow <input type="checkbox"/> Weather and Oceanographic Conditions <input type="checkbox"/> General Rig Equipment Failure <input type="checkbox"/> Lost Returns <input type="checkbox"/> Station Keeping Failure </td> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> Well Control Equipment Failure <input type="checkbox"/> H₂S Encounter <input type="checkbox"/> New Technology Failure <input type="checkbox"/> Stuck Pipe <input type="checkbox"/> Wellbore Integrity Failure <input type="checkbox"/> Other </td> </tr> </table>	<input type="checkbox"/> Kick Occurrence <input type="checkbox"/> Shallow Water Flow <input type="checkbox"/> Weather and Oceanographic Conditions <input type="checkbox"/> General Rig Equipment Failure <input type="checkbox"/> Lost Returns <input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Well Control Equipment Failure <input type="checkbox"/> H ₂ S Encounter <input type="checkbox"/> New Technology Failure <input type="checkbox"/> Stuck Pipe <input type="checkbox"/> Wellbore Integrity Failure <input type="checkbox"/> Other
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WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Public Information

U.S. Department of the Interior
 Bureau of Safety and Environmental
 Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
 OMB Approval Expires 10/31/2014

RECEIVED

OCT 24 2012

WELL ACTIVITY REPORT

BEGINNING DATE: 10/23/2012 **ENDING DATE:** 10/23/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-171-0001300						2. OPERATOR NAME Shell Offshore, Inc					
3. WELL NAME <small>OCS-Y 1805 #001 (Sivulliq N)</small>		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS Shawn Gelsinger/713.594.8531					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Shell Kulluk						8. WATER DEPTH (surveyed) (ft) 106		9. ELEVATION AT KB (Surveyed) (ft) 68			
10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.		BLOCK NO.			
OCS-Y 1805		Flaxman Island		6658		OCS-Y 1805		6658			
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					n/a				n/a	n/a	n/a
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS-Y 1805										

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

From: [Shank, Michael L](#)
To: [Fesmire, Mark E](#); [Monkelien, Kyle](#); [Miller, Chet](#); [Crumrine, Kathleen](#); [Walker, Jeffrey](#); [Howell, Randy](#)
Subject: Daily Report
Date: Wednesday, October 24, 2012 6:30:51 AM

Daily Report
10/23/2012

-Finished running 20" casing.

-(b) (4), (b) (9)

Next 24 Hours: WOC. TA well.

Tankersley, Yolanda J

From: Miller, Chet
Sent: Wednesday, October 24, 2012 8:26 AM
To: Monkeliën, Kyle; Fesmire, Mark E; Howell, Randy; Shank, Michael L; Crumrine, Kathleen; Walker, Jeffrey
Subject: Kulluk daily

Kulluk daily
10-24-12

- Complete lay down of MCL.
- Inspect top drive and replace torque arrester
- Lower hose for GTO
- Prep for clean out of 36 inch hole
- Pump 4200 bbl. tank to the Sisquac

Ice pack is 240 miles north east and “grease” ice has been spotted 4 miles south of our location

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Kulluk **INSPECTION DATE** 10-24-12

INSPECTORS NAME: Chet Miller

MODIFIED August 2012

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	1		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	1		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	1		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	1		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	1		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	1		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	1		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	1		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C	10		
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			10
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C	10		
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C	10		
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C	3		7
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	1		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	1		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	1		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	1		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	1		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	1		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	1		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	1		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	1		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	1		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	1		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C	1		
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C	1		

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C	1		
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C	1		
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W	1		
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C	1		
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	1		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S			1
1 E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	1		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S			1
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	1		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	1		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	1		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	1		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S	1		
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			1
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			1
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			1
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W			1
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			1
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W			0
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			0
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			0
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			0

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			0
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			0
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			0
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.421(c)	W/S			0
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.423(a)	W/S			0
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			0
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			0
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			0
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			0
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			0
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			0
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			0
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			0
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			0
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			0
D-174	For the final casing string, did the operator install Dual Mechanical Barriers in addition to cement, to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			0
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			0
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			0
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			0
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			0
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			0
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			0

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			0
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			0
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			0
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			0
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			0
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			0
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			0
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			0
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			0
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			0
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			0
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			0
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S	2		
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S	2		
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S	1		
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W	1		
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			0
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			0
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			0
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			0
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			0
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			0
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			0
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			0
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			0
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			0
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			0
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			0
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			0

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			0
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			0
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			0
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			0
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			0
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			0
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			0
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			0
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			0
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			0
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			0
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			0
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers <u>recorded</u> in the driller's report? 30 CFR 250.450	W			0
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			0
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			0
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			0
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			0
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			0
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			0
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			0
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			0
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			0
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			0
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			0
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			0
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			0

<u>INC#</u>	<u>WELL-CONTROL DRILLS</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			0
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W			0
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			0
	<u>DIVERTER SYSTEMS</u>				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			0
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			0
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, actuation-tested and the vent lines flow tested when installed? 30 CFR 250.433	W			0
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			0
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			0
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			0
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			0
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			0
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			0
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			0
D-314	Is the control station used during the diverter test or actuation identified? 30 CFR 250.434(c)	W			0
	<u>SURFACE DIVERTER SYSTEM</u>				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			0
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			0
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			0
D-322	Is the spool outlet and diverter line nominal diameter at least 10 inches for surface wellhead configurations and at least 12 inches for floating drilling operations? 30 CFR 250.431(a)	S			0
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			0
D-326	Is diverter sealing elements and diverter valves pressure tested to a minimum of 200 psi when nipped up on conductor casing, with no more than 7 days elapsed time between subsequent tests? 30 CFR 250.433(a)	W/S			0
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for surface diverter systems? 30 CFR 250.433(a), 250.433(c)	W			0
D-334	Is vessel heading maintained to allow for downwind diversion on dynamically-positions drill ships? 30 CFR 250.432(d)	S			0
	<u>DRILLING FLUID PROGRAM</u>				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W			0
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level decreases the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a lower decrease in hydrostatic pressure? 30 CFR 250.456(c)	W			0
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			0

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			0
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W			0
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S			0
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			0
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			0
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			0
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S			0
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S			0
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S			0
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S			0
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	1		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	1		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			0
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S			0
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S			0
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S			0
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S			0
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S			0
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S			0
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			0
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S			0
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S			0
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			0

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	1		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	1		
	<u>APPLICATION FOR PERMIT TO DRILL</u>				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S	1		
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			0
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	0		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			0
	<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			0
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			0
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			0
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			0
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			0
	<u>SUBSEA BOP SYSTEMS</u>				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			0
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			0
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			0
	<u>STUMP TEST</u>				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			0
	<u>INITIAL INSTALLATION TEST</u>				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			0
	<u>HYDROGEN SULFIDE</u>				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S			0
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S			0
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C			0

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C			0
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C			0
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C			0
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W			0
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W			0
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C			0
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			0
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card ? 30 CFR 250.490(g)(2)(i, ii)	W			0
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility ? 30 CFR 250.490(k)(3)(i)	W			0
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C			0
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C			0
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S			0
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more ? 30 CFR 250.490(i)(2)(i)	W/S			0
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S			0
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S			0
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S			0
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S			0
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C			0
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C			0
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C			0
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel ? 30 CFR 250.490(k)(1)(i)	W			0
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S			0
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W			0
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use ? 30 CFR 250.490(j)(13)(iv)	C/S			0
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member ? 30 CFR 250.490(j)(13)(vii)	C			0
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan ? 30 CFR 250.490(j)(13)(viii)	C			0

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C			0
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C			0
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S			0
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S			0
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S			0
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W			0
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W			0
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S			0
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S			0
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S			0
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			0
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W			0
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S			0
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S			0
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			0
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S			0
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			0
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S			0
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			0
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			0
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			0
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			0
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			0
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			0
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			0
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			0

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			0
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S			0
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W			0
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W			0
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W			0
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W			0
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S			0
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months ? 30 CFR 250.490(j)(11)(iv)	W/S			0
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W			0
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			0
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			0
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S			0

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Welding outside of well shop for sea fasting

Daily Report
10/24/2012

-Tagged 20" shoe.

(b)(4), (b)(9)

-Pumped TA cement plug on top of pad. WOC.

Next 24 Hours: POOH to add weight to drill string. TIH to tag top of TA plug. Circulate fluid in the top section. POOH and run TA cap. Begin operations to move off location.

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer INSPECTION DATE 10/24/2012

INSPECTORS NAME Michael Shank

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	X		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	X		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	X		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	X		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	X		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	X		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	X		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	X		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C			X
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			X
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			X
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C			X
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C			X
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	X		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	X		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	X		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	X		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	X		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	X		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	X		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	X		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	X		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	X		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	X		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C	X		
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C	X		

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C	X		
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C	X		
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W	X		
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			X
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	X		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S	X		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	X		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	X		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	X		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	X		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	X		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	X		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S			X
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S	X		
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S	X		
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			X
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W	X		
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			X
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W	X		
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S	X		
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			X
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			X

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W	X		
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W	X		
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S	X		
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			X
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			X
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			X
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			X
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			X
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W	X		
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			X
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			X
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			X
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			X
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			X
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			X
D-174	For the final casing string, did the operator install Dual Mechanical Barriers in addition to cement, to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			X
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			X
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			X
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			X
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			X
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			X
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			X

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			X
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			X
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			X
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			X
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			X
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			X
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			X
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			X
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			X
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			X
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			X
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			X
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			X
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			X
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S			X
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			X
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			X
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			X
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			X
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			X
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			X
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			X
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			X
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			X
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			X
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			X
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			X
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			X
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			X

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			X
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			X
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			X
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			X
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			X
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			X
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			X
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			X
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			X
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			X
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			X
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			X
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			X
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			X
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			X
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			X
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			X
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			X
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			X
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			X
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			X
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			X
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			X
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			X
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			X
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			X

<u>INC#</u>	<u>WELL-CONTROL DRILLS</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W	X		
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	X		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W	X		
	<u>DIVERTER SYSTEMS</u>				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			X
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			X
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, <u>actuation-tested</u> and the vent lines flow tested when installed? 30 CFR 250.433	W			X
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			X
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			X
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			X
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			X
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			X
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			X
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			X
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			X
D-314	Is the control station used during the diverter test or actuation <u>identified</u> ? 30 CFR 250.434(c)	W			X
	<u>SURFACE DIVERTER SYSTEM</u>				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			X
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			X
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			X
D-322	Is the spool outlet and diverter line nominal diameter at <u>least 10 inches</u> for surface wellhead configurations and at <u>least 12 inches for floating drilling operations</u> ? 30 CFR 250.431(a)	S			X
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			X
D-326	Is diverter sealing elements and diverter valves pressure tested to a <u>minimum of 200 psi</u> when nipped up on conductor casing, with no more than <u>7 days elapsed time</u> between subsequent tests? 30 CFR 250.433(a)	W/S			X
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, <u>conducted at least once every 24 hour period alternating between control stations for surface diverter systems</u> ? 30 CFR 250.433(a), 250.433(c)	W			X
D-334	Is vessel heading maintained to allow for downwind diversion on <u>dynamically-positions drill ships</u> ? 30 CFR 250.432(d)	S			X
	<u>DRILLING FLUID PROGRAM</u>				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation <u>was not</u> necessary? 30 CFR 250.456(a)	W	X		
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level <u>decreases the hydrostatic pressure by 75 psi</u> , or <u>every 5 stands of drill pipe</u> , whichever gives a <u>lower decrease in hydrostatic pressure</u> ? 30 CFR 250.456(c)	W	X		
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W	X		

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W	X		
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	X		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	X		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			X
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			X
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			X
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	X		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	X		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	3		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	X		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	X		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			X
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	X		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	X		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	X		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	X		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	5		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	X		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			X
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	X		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	12		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			X

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	X		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	X		
<u>APPLICATION FOR PERMIT TO DRILL</u>					
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S			X
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			X
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	X		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			X
<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>					
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			X
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			X
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			X
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			X
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			X
<u>SUBSEA BOP SYSTEMS</u>					
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			X
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			X
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			X
<u>STUMP TEST</u>					
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			X
<u>INITIAL INSTALLATION TEST</u>					
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			X
<u>HYDROGEN SULFIDE</u>					
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	X		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	X		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	X		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	X		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	X		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	X		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	X		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W	X		
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	X		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			X
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card? 30 CFR 250.490(g)(2)(i, ii)	W	X		
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W	X		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	X		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C	X		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			X
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	X		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	X		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	X		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	X		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	X		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	X		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	X		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	X		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C	X		
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C	X		

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C	X		
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C	X		
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S	X		
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	X		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	X		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	X		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	X		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	X		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	X		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W	X		
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	X		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S	X		
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			X
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	X		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			X
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S	X		
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			X
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			X
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			X
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			X
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			X
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			X
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			X
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			X

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			X
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S	X		
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W	X		
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W	X		
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W	X		
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W	X		
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S	X		
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months? 30 CFR 250.490(j)(11)(iv)	W/S	X		
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W	X		
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			X
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			X
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S	X		

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

RECEIVED

OCT 29 2012

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

WELL ACTIVITY REPORT

BEGINNING DATE: 10/24/2012 ENDING DATE: 10/25/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

CORRECTION CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT

GENERAL INFORMATION

1. API WELL NO. (10 digits) 55-352-0000200		2. OPERATOR NAME Shell Gulf of Mexico Inc	
3. WELL NAME Posey 6764 OCS-Y 2280 001	4. SIDETRACK NO. 00	5. BYPASS NO. 00	6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer		8. WATER DEPTH (surveyed) (ft) 150	9. ELEVATION AT KB (Surveyed) (ft) 48.5

10. CURRENT WELLBORE INFORMATION

SURFACE					BOTTOM						
LEASE NO.	AREA NAME	BLOCK NO.		LEASE NO.	BLOCK NO.						
OCS Y-2280	Posey	6764		OCS Y-2280	6764						
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					N/A				N/A	N/A	N/A

11. WELLBORE HISTORICAL INFORMATION

WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD
	OCS Y-2280					

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY
Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

None of the following have occurred:

- ‡ Wireline logs (Report when acquired)
- ‡ Wireline Directionals (Report when acquired)
- ‡ Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
- ‡ Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
- ‡ PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)

Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

<input type="checkbox"/> Kick Occurrence	<input type="checkbox"/> Well Control Equipment Failure
<input type="checkbox"/> Shallow Water Flow	<input type="checkbox"/> H ₂ S Encounter
<input type="checkbox"/> Weather and Oceanographic Conditions	<input type="checkbox"/> New Technology Failure
<input type="checkbox"/> General Rig Equipment Failure	<input type="checkbox"/> Stuck Pipe
<input type="checkbox"/> Lost Returns	<input type="checkbox"/> Wellbore Integrity Failure
<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Public Information

U.S. Department of the Interior
 Bureau of Safety and Environmental
 Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
 OMB Approval Expires 10/31/2014

RECEIVED

OCT 29 2012

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

WELL ACTIVITY REPORT

BEGINNING DATE: 10/24/2012 **ENDING DATE:** 10/24/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-171-0001300						2. OPERATOR NAME Shell Offshore, Inc					
3. WELL NAME <small>OCS-Y 1805 #001 (Sivulliq N)</small>		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS Shawn Gelsinger/713.594.8531					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Shell Kulluk						8. WATER DEPTH (surveyed) (ft) 106			9. ELEVATION AT KB (Surveyed) (ft) 68		
10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.				BLOCK NO.	
OCS-Y 1805		Flaxman Island		6658		OCS-Y 1805				6658	
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					n/a				n/a	n/a	n/a
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS-Y 1805										

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
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<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other

WELL ACTIVITY REPORT

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Shank, Michael L

From: John.A.Henley@shell.com
Sent: Thursday, October 25, 2012 5:14 AM
To: Monkeliën, Kyle; Shank, Michael L; Fesmire, Mark E; loyd.wallace@shell.com; Robert.Hutchinson@shell.com
Cc: Chris.Riley@shell.com; Jim.Miller@shell.com; Pauline.Ruddy@shell.com; Sandy.Sears@shell.com; Crumrine, Kathleen; Howell, Randy
Subject: RE: Confidential - Burger A 20" Cementing Plans
Attachments: 2012-10-23 Burger A BSEE-0133 Public.pdf; 2012-10-23 Burger A BSEE-0133 Proprietary.pdf

All:

I left my notebook with the password for Petrolink at my house.

See the attached BSEE-133 for the 23rd of Oct 2012, I needed to wait until the updated report was submitted from the rig.

Best regards,

John A. Henley
Sr. Drilling Engineer
Shell Exploration & Production Company
One Shell Square, P. O. Box 61933, New Orleans, LA 70161-1933, United States of America

Tel: +1.504.728.4478
Mob: +1.281.795.0250
Email: john.a.henley@shell.com

From: Monkeliën, Kyle [mailto:Kyle.Monkeliën@bsee.gov]
Sent: Wednesday, October 24, 2012 11:15 AM
To: Henley, John A SEPCO-UAO/W/D; Shank, Michael L; Fesmire, Mark E; Wallace, Loyd SEPCO-UAO/W/T; Hutchinson, Robert SEPCO-UAO/W/A
Cc: Riley, Chris J SEPCO-UAO/W/D; Miller, Jim A SEPCO-UAO/W/T; Ruddy, Pauline M SEPCO-UAX/A/SD; Sears, Sandy SEPCO-UAX/A/SD; Kathleen.Crumrine@bsee.gov; Randy.Howell@bsee.gov
Subject: RE: Confidential - Burger A 20" Cementing Plans

I concur with Mikes approval.

Within 30 days of completion of this activity please submit a BSEE 124 form detailing the final procedures used during this operations. Also at such time as you have completed the temporary abandonment of this well (within 30 days) please submit form BSEE 125 detailing the activities conducted during this year's drilling operation.

Kyle Monkeliën
Petroleum Engineer
Alaska OCS Region – FO
Phone: 907-334-5307
Cell: 907-3512402 wk

Cell: (b) (6) personal

From: John.A.Henley@shell.com [mailto:John.A.Henley@shell.com]

Sent: Wednesday, October 24, 2012 12:21 AM

To: Shank, Michael L; Monkelien, Kyle; Fesmire, Mark E; loyd.wallace@shell.com; Robert.Hutchinson@shell.com

Cc: Chris.Riley@shell.com; Jim.Miller@shell.com; Pauline.Ruddy@shell.com; Sandy.Sears@shell.com; John.A.Henley@shell.com

Subject: Confidential - Burger A 20" Cementing Plans

Mike, Kyle and Mark:

This email is a summary of the verbal approval given by Mike Shank at approx 3:00hrs (CST) 24 Oct 2012.

(b) (4), (b) (9)

Best regards,

John A. Henley
Sr. Drilling Engineer
Shell Exploration & Production Company
One Shell Square, P. O. Box 61933, New Orleans, LA 70161-1933, United States of America

Tel: +1.504.728.4478

Mob: +1.281.795.0250

Email: john.a.henley@shell.com

From: [Shank, Michael L](#)
To: [Fesmire, Mark E](#); [Monkelien, Kyle](#); [Miller, Chet](#); [Crumrine, Kathleen](#); [Walker, Jeffrey](#); [Howell, Randy](#)
Subject: Daily Report
Date: Thursday, October 25, 2012 7:52:26 AM

Daily Report
10/24/2012

-Tagged 20" shoe.

(b)(4), (b)(9)

-Pumped TA cement plug on top of pad. WOC.

Next 24 Hours: POOH to add weight to drill string. TIH to tag top of TA plug. Circulate fluid in the top section. POOH and run TA cap. Begin operations to move off location.

From: [Shank, Michael L](#)
To: [Monkelien, Kyle](#); [Fesmire, Mark E](#); [Miller, Chet](#); [Crumrine, Kathleen](#); [Walker, Jeffrey](#); [Howell, Randy](#)
Subject: RE: Daily Report
Date: Thursday, October 25, 2012 8:00:15 AM

(b) (4), (b) (9)

From: Monkelien, Kyle
Sent: Thursday, October 25, 2012 7:54 AM
To: Shank, Michael L
Subject: RE: Daily Report

(b) (4), (b) (9)

From: Shank, Michael L
Sent: Thursday, October 25, 2012 7:52 AM
To: Fesmire, Mark E; Monkelien, Kyle; Miller, Chet; Crumrine, Kathleen; Walker, Jeffrey; Howell, Randy
Subject: Daily Report

Daily Report
10/24/2012

-Tagged 20" shoe.

(b)(4), (b)(9)

-Pumped TA cement plug on top of pad. WOC.

Next 24 Hours: POOH to add weight to drill string. TIH to tag top of TA plug. Circulate fluid in the top section. POOH and run TA cap. Begin operations to move off location.



From: [Shank, Michael L](#)
To: [Howell, Randy](#)
Subject: FW: Daily Report
Date: Thursday, October 25, 2012 8:01:09 AM

From: Shank, Michael L
Sent: Wednesday, October 24, 2012 6:31 AM
To: Fesmire, Mark E; Monkeliens, Kyle; Miller, Chet; Crumrine, Kathleen; Walker, Jeffrey; Howell, Randy
Subject: Daily Report

Daily Report
10/23/2012

-Finished running 20" casing.

(b) (4), (b) (9)



Next 24 Hours: WOC. TA well.

Tankersley, Yolanda J

From: Miller, Chet
Sent: Thursday, October 25, 2012 10:03 AM
To: Howell, Randy; Fesmire, Mark E; Monkeliën, Kyle; Shank, Michael L; Crumrine, Kathleen; Walker, Jeffrey
Subject: RE: Kulluk daily

Will do.

Also I forgot the Ice report.

We have pack ice 234 nm to the north and coastal grease ice 4 nm to the south.

From: Howell, Randy
Sent: Thursday, October 25, 2012 9:22 AM
To: Miller, Chet; Fesmire, Mark E; Monkeliën, Kyle; Shank, Michael L; Crumrine, Kathleen; Walker, Jeffrey
Subject: RE: Kulluk daily

Chet,

Remind Shell that they will need to talk with BSEE before they Drill out of the 30" or proceed with any other operations.

Randy

From: Miller, Chet
Sent: Thursday, October 25, 2012 8:18 AM
To: Fesmire, Mark E; Monkeliën, Kyle; Howell, Randy; Shank, Michael L; Crumrine, Kathleen; Walker, Jeffrey
Subject: Kulluk daily

10-25-12

- (b) (4), (b) (9) [REDACTED]
- (b) (4), (b) (9) [REDACTED]
- Plan to drill out clean up run 30 inch csg.

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Kulluk **INSPECTION DATE** 10-25-12

INSPECTORS NAME: Chet Miller

MODIFIED August 2012

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	1		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	1		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	1		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	1		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	1		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	1		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	1		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	1		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C	10		
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			10
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C	10		
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C	10		
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C	3		7
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	1		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	1		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	1		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	1		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	1		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	1		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C			1
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C			1
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C			1
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C			1
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C			1
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C			1
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C			1

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C			1
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C			1
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W			1
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			1
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	1		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S			1
1 E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	1		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S			1
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	1		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	1		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	1		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	1		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S	1		
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			1
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			1
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			1
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W			1
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			1
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W			0
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			0
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			0
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			0

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			0
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			0
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			0
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			0
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			0
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			0
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			0
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			0
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			0
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			0
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			0
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			0
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			0
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			0
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			0
D-174	For the final casing string, did the operator install Dual Mechanical Barriers in addition to cement, to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			0
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			0
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			0
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			0
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			0
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			0
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			0

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			0
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			0
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			0
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			0
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			0
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			0
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			0
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			0
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			0
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			0
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			0
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			0
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S	2		
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S	2		
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S	1		
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W	1		
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			0
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			0
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			0
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			0
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			0
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			0
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			0
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			0
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			0
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			0
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			0
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			0
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			0

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			0
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			0
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			0
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			0
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			0
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			0
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			0
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			0
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			0
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			0
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			0
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			0
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			0
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			0
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			0
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			0
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			0
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			0
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			0
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			0
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			0
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			0
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			0
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			0
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			0
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			0

<u>INC#</u>	<u>WELL-CONTROL DRILLS</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			0
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W			0
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			0
	<u>DIVERTER SYSTEMS</u>				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			0
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			0
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, <u>actuation-tested</u> and the vent lines flow tested when installed? 30 CFR 250.433	W			0
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			0
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			0
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			0
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			0
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			0
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			0
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			0
D-314	Is the control station used during the diverter test or actuation <u>identified</u> ? 30 CFR 250.434(c)	W			0
	<u>SURFACE DIVERTER SYSTEM</u>				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			0
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			0
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			0
D-322	Is the spool outlet and diverter line nominal diameter at <u>least 10 inches</u> for surface wellhead configurations and at <u>least 12 inches for floating drilling operations</u> ? 30 CFR 250.431(a)	S			0
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			0
D-326	Is diverter sealing elements and diverter valves pressure tested to a <u>minimum of 200 psi</u> when nipped up on conductor casing, with no more than <u>7 days elapsed time</u> between subsequent tests? 30 CFR 250.433(a)	W/S			0
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, <u>conducted at least once every 24 hour period alternating between control stations for surface diverter systems</u> ? 30 CFR 250.433(a), 250.433(c)	W			0
D-334	Is vessel heading maintained to allow for downwind diversion on <u>dynamically-positions drill ships</u> ? 30 CFR 250.432(d)	S			0
	<u>DRILLING FLUID PROGRAM</u>				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation <u>was not</u> necessary? 30 CFR 250.456(a)	W			0
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level <u>decreases the hydrostatic pressure by 75 psi</u> , or <u>every 5 stands of drill pipe</u> , whichever gives a <u>lower decrease in hydrostatic pressure</u> ? 30 CFR 250.456(c)	W			0
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			0

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			0
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W			0
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S			0
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			0
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			0
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			0
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S			0
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S			0
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S			0
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S			0
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	1		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	1		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			0
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S			0
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S			0
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S			0
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S			0
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S			0
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S			0
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			0
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S			0
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S			0
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			0

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	1		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	1		
	<u>APPLICATION FOR PERMIT TO DRILL</u>				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S	1		
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			0
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	0		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			0
	<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			0
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			0
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			0
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			0
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			0
	<u>SUBSEA BOP SYSTEMS</u>				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			0
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			0
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			0
	<u>STUMP TEST</u>				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			0
	<u>INITIAL INSTALLATION TEST</u>				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			0
	<u>HYDROGEN SULFIDE</u>				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S			0
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S			0
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C			0

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C			0
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C			0
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C			0
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W			0
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W			0
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C			0
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			0
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card ? 30 CFR 250.490(g)(2)(i, ii)	W			0
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility ? 30 CFR 250.490(k)(3)(i)	W			0
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C			0
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C			0
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S			0
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			0
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S			0
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S			0
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S			0
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S			0
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C			0
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C			0
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C			0
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W			0
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S			0
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W			0
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S			0
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C			0
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C			0

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C			0
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C			0
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S			0
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S			0
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S			0
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W			0
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W			0
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S			0
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S			0
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S			0
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			0
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W			0
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S			0
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S			0
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			0
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S			0
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			0
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S			0
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			0
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			0
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			0
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			0
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			0
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			0
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			0
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			0

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			0
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S			0
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W			0
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W			0
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W			0
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W			0
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S			0
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months ? 30 CFR 250.490(j)(11)(iv)	W/S			0
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W			0
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			0
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			0
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S			0

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Noble Discoverer INSPECTION DATE 10/25/2012

INSPECTORS NAME Michael Shank

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	X		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	X		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	X		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	X		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	X		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	X		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	X		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	X		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C			X
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			X
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C			X
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C			X
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C			X
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	X		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	X		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	X		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	X		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	X		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	X		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	X		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	X		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	X		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	X		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	X		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C	X		
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C	X		

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C	X		
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C	X		
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W	X		
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			X
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	X		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S	X		
E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	X		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S	X		
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	X		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	X		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	X		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	X		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S			X
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S	X		
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S	X		
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			X
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W	X		
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			X
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W	X		
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S	X		
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			X
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			X

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W	X		
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W	X		
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S	X		
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			X
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			X
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			X
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			X
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			X
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W	X		
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			X
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			X
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			X
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			X
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			X
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			X
D-174	For the final casing string, did the operator install Dual Mechanical Barriers in addition to cement, to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			X
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			X
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			X
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			X
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			X
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			X
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			X

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			X
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			X
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			X
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			X
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			X
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			X
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			X
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			X
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			X
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			X
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			X
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			X
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S			X
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S			X
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S			X
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W			X
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			X
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			X
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			X
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			X
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			X
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			X
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			X
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			X
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			X
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			X
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			X
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			X
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			X

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			X
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			X
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			X
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			X
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			X
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			X
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			X
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			X
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			X
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			X
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			X
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			X
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			X
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			X
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			X
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			X
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			X
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			X
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			X
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			X
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			X
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			X
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			X
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			X
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			X
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			X

INC#	WELL-CONTROL DRILLS	CODE	YES	NO	N/A
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W	X		
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W	X		
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W	X		
	DIVERTER SYSTEMS				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			X
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			X
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, <u>actuation-tested</u> and the vent lines flow tested when installed? 30 CFR 250.433	W			X
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			X
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			X
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			X
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			X
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			X
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			X
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			X
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			X
D-314	Is the control station used during the diverter test or actuation <u>identified</u> ? 30 CFR 250.434(c)	W			X
	SURFACE DIVERTER SYSTEM				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			X
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			X
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			X
D-322	Is the spool outlet and diverter line nominal diameter at <u>least 10 inches</u> for surface wellhead configurations and at <u>least 12 inches for floating drilling operations</u> ? 30 CFR 250.431(a)	S			X
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			X
D-326	Is diverter sealing elements and diverter valves pressure tested to a <u>minimum of 200 psi</u> when nipped up on conductor casing, with no more than <u>7 days elapsed</u> time between subsequent tests? 30 CFR 250.433(a)	W/S			X
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, <u>conducted at least once every 24 hour period alternating between control stations for surface diverter systems</u> ? 30 CFR 250.433(a), 250.433(c)	W			X
D-334	Is vessel heading maintained to allow for downwind diversion on <u>dynamically-positions drill ships</u> ? 30 CFR 250.432(d)	S			X
	DRILLING FLUID PROGRAM				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation <u>was not</u> necessary? 30 CFR 250.456(a)	W	X		
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level <u>decreases the hydrostatic pressure by 75 psi</u> , or <u>every 5 stands</u> of drill pipe, whichever gives a <u>lower</u> decrease in hydrostatic pressure? 30 CFR 250.456(c)	W	X		
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W	X		

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W	X		
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W	X		
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S	X		
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			X
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			X
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			X
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S	5		
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S	X		
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S	X		
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S	3		
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	X		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	X		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			X
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S	X		
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S	X		
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S	X		
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S	X		
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S	5		
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S	X		
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			X
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S	X		
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S	12		
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			X

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	X		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	X		
<u>APPLICATION FOR PERMIT TO DRILL</u>					
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S			X
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			X
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	X		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			X
<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>					
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			X
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			X
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			X
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			X
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			X
<u>SUBSEA BOP SYSTEMS</u>					
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			X
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			X
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			X
<u>STUMP TEST</u>					
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			X
<u>INITIAL INSTALLATION TEST</u>					
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			X
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			X
<u>HYDROGEN SULFIDE</u>					
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S	X		
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S	X		
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C	X		

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C	X		
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C	X		
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C	X		
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W	X		
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W	X		
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C	X		
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			X
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card ? 30 CFR 250.490(g)(2)(i, ii)	W	X		
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility ? 30 CFR 250.490(k)(3)(i)	W	X		
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C	X		
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C	X		
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S	8		
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			X
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S	12		
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S	X		
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S	X		
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S	3		
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C	X		
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C	X		
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C	12		
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W	X		
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S	X		
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W	X		
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S	X		
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C	X		
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C	X		

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C	X		
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C	X		
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S	X		
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S	X		
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S	X		
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W	X		
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W	X		
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S	X		
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S	2		
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S	X		
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W	X		
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S	X		
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S	X		
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			X
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S	X		
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			X
H-157	Is gas containing H2S not used for instrument gas, and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S	X		
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			X
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			X
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			X
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			X
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			X
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			X
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			X
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			X

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			X
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S	X		
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W	X		
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W	X		
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W	X		
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W	X		
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S	X		
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months? 30 CFR 250.490(j)(11)(iv)	W/S	X		
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W	X		
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			X
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			X
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S	X		

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

WELL ACTIVITY REPORT

BEGINNING DATE: 10/25/2012 **ENDING DATE:** 10/26/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

RECEIVED

OCT 29 2012

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

CORRECTION CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT

GENERAL INFORMATION

1. API WELL NO. (10 digits) 55-352-0000200			2. OPERATOR NAME Shell Gulf of Mexico Inc		
3. WELL NAME <small>Posey 6764 OCS-Y 2280 001</small>	4. SIDETRACK NO. 00	5. BYPASS NO. 00	6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com		
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer			8. WATER DEPTH (surveyed) (ft) 150	9. ELEVATION AT KB (Surveyed) (ft) 48.5	

10. CURRENT WELLBORE INFORMATION

SURFACE					BOTTOM						
LEASE NO.	AREA NAME	BLOCK NO.			LEASE NO.		BLOCK NO.				
OCS Y-2280	Posey	6764			OCS Y-2280		6764				
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
											LOW
					N/A				N/A	N/A	N/A

11. WELLBORE HISTORICAL INFORMATION

WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD
	OCS Y-2280					

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY
Provide a daily summary of well activities.

14. Open Hole Log Data
<p>BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:</p> <p><input type="checkbox"/> None of the following have occurred:</p> <ul style="list-style-type: none"> ! Wireline logs (Report when acquired) ! Wireline Directionals (Report when acquired) ! Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired) ! Completed MWD/LWD logs and Mudlogs - (Report when they are completed.) ! PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole) <p><input type="checkbox"/> Any of the above have occurred; if checked then submit Form BSEE-133S.</p>

15. Significant Well Events		
<p>Please check as many events from the list below:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> Kick Occurrence <input type="checkbox"/> Shallow Water Flow <input type="checkbox"/> Weather and Oceanographic Conditions <input type="checkbox"/> General Rig Equipment Failure <input type="checkbox"/> Lost Returns <input type="checkbox"/> Station Keeping Failure </td> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> Well Control Equipment Failure <input type="checkbox"/> H₂S Encounter <input type="checkbox"/> New Technology Failure <input type="checkbox"/> Stuck Pipe <input type="checkbox"/> Wellbore Integrity Failure <input type="checkbox"/> Other </td> </tr> </table>	<input type="checkbox"/> Kick Occurrence <input type="checkbox"/> Shallow Water Flow <input type="checkbox"/> Weather and Oceanographic Conditions <input type="checkbox"/> General Rig Equipment Failure <input type="checkbox"/> Lost Returns <input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Well Control Equipment Failure <input type="checkbox"/> H ₂ S Encounter <input type="checkbox"/> New Technology Failure <input type="checkbox"/> Stuck Pipe <input type="checkbox"/> Wellbore Integrity Failure <input type="checkbox"/> Other
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WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Public Information

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
OMB Approval Expires 10/31/2014

WELL ACTIVITY REPORT

BEGINNING DATE: 10/25/2012 ENDING DATE: 10/25/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

RECEIVED

OCT 29 2012

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

CORRECTION CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT

GENERAL INFORMATION

1. API WELL NO. (10 digits) 55-171-0001300			2. OPERATOR NAME Shell Offshore, Inc		
3. WELL NAME OCS-Y 1805 #001 (Sivulig N)	4. SIDETRACK NO. 00	5. BYPASS NO. 00	6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS Shawn Gelsinger/713.594.8531		
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Shell Kulluk			8. WATER DEPTH (surveyed) (ft) 106	9. ELEVATION AT KB (Surveyed) (ft) 68	

10. CURRENT WELLBORE INFORMATION

SURFACE					BOTTOM						
LEASE NO.	AREA NAME	BLOCK NO.			LEASE NO.	BLOCK NO.					
OCS-Y 1805	Flaxman Island	6658			OCS-Y 1805	6658					
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
											LOW
					n/a				n/a	n/a	n/a

11. WELLBORE HISTORICAL INFORMATION

WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD
	OCS-Y 1805					

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

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Provide a daily summary of well activities.

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- I Wireline Directionals (Report when acquired)
- I Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
- I Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
- I PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)

Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

<input type="checkbox"/> Kick Occurrence	<input type="checkbox"/> Well Control Equipment Failure
<input type="checkbox"/> Shallow Water Flow	<input type="checkbox"/> H ₂ S Encounter
<input type="checkbox"/> Weather and Oceanographic Conditions	<input type="checkbox"/> New Technology Failure
<input type="checkbox"/> General Rig Equipment Failure	<input type="checkbox"/> Stuck Pipe
<input type="checkbox"/> Lost Returns	<input type="checkbox"/> Wellbore Integrity Failure
<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

From: [Shank, Michael L](#)
To: [Fesmire, Mark E](#); [Monkelien, Kyle](#); [Miller, Chet](#); [Crumrine, Kathleen](#); [Walker, Jeffrey](#); [Howell, Randy](#)
Subject: Daily Report
Date: Friday, October 26, 2012 7:28:08 AM

Daily Report
10/25/2012

(b)(4), (b)(9)

- Circulated fluid into the well.
- Ran TA cap and latched in @ 0530.

Next 24 Hours: Turn rig; pick up GTO and mud mat; make an attempt to recover GTO suction manifold(if that doesn't work, shear guide wires); Start collecting anchor cables.

Tankersley, Yolanda J

From: Miller, Chet
Sent: Friday, October 26, 2012 8:42 AM
To: Fesmire, Mark E; Monkeliën, Kyle; Shank, Michael L; Howell, Randy; Crumrine, Kathleen; Walker, Jeffrey
Subject: Kulluk daily

10-26-12

- (b) (4), (b) (9)
- Make clean out run
- Pump sweeps and pill
- POOH and lay down BHA
- Plan for today is run 30 inch csg. Set guide base and cement.

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Kulluk **INSPECTION DATE** 10-26-12

INSPECTORS NAME: Chet Miller

MODIFIED August 2012

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	1		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	1		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	1		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	1		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	1		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	1		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	1		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	1		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C	10		
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			10
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C	10		
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C	10		
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C	3		7
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	1		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	1		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	1		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	1		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	1		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	1		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	1		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	1		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	1		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	1		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	1		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C	1		
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C	1		

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C	1		
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C	1		
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W	1		
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C	1		
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	1		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S			1
1 E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	1		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S			1
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	1		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	1		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	1		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	1		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S	1		
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			1
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			1
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			1
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W			1
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			1
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W	1		
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			0
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			0
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			0

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			0
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			0
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			0
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			0
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			0
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			0
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			0
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			0
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			0
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			0
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			0
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			0
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			0
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			0
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			0
D-174	For the final casing string, did the operator install Dual Mechanical Barriers in addition to cement, to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			0
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			0
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			0
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			0
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			0
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			0
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			0

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			0
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			0
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			0
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			0
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			0
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			0
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			0
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			0
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			0
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			0
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			0
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			0
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S	2		
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S	2		
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S	1		
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W	1		
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			0
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			0
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			0
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			0
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			0
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			0
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			0
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			0
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			0
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			0
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			0
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			0
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			0

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			0
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			0
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			0
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			0
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			0
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			0
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			0
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			0
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			0
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			0
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			0
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			0
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			0
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			0
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			0
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			0
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			0
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			0
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			0
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			0
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			0
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			0
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			0
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			0
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			0
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			0

<u>INC#</u>	<u>WELL-CONTROL DRILLS</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			0
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W			0
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			0
	<u>DIVERTER SYSTEMS</u>				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			0
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			0
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, <u>actuation-tested</u> and the vent lines flow tested when installed? 30 CFR 250.433	W			0
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			0
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			0
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			0
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			0
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			0
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			0
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			0
D-314	Is the control station used during the diverter test or actuation <u>identified</u> ? 30 CFR 250.434(c)	W			0
	<u>SURFACE DIVERTER SYSTEM</u>				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			0
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			0
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			0
D-322	Is the spool outlet and diverter line nominal diameter at <u>least 10 inches</u> for surface wellhead configurations and at <u>least 12 inches for floating drilling operations</u> ? 30 CFR 250.431(a)	S			0
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			0
D-326	Is diverter sealing elements and diverter valves pressure tested to a <u>minimum of 200 psi</u> when nipped up on conductor casing, with no more than <u>7 days elapsed time</u> between subsequent tests? 30 CFR 250.433(a)	W/S			0
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, <u>conducted at least once every 24 hour period alternating between control stations for surface diverter systems</u> ? 30 CFR 250.433(a), 250.433(c)	W			0
D-334	Is vessel heading maintained to allow for downwind diversion on <u>dynamically-positions drill ships</u> ? 30 CFR 250.432(d)	S			0
	<u>DRILLING FLUID PROGRAM</u>				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation <u>was not</u> necessary? 30 CFR 250.456(a)	W			0
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level <u>decreases the hydrostatic pressure by 75 psi</u> , or <u>every 5 stands of drill pipe</u> , whichever gives a <u>lower decrease in hydrostatic pressure</u> ? 30 CFR 250.456(c)	W			0
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			0

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			0
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W			0
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S			0
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			0
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			0
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			0
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S			0
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S			0
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S			0
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S			0
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	1		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	1		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			0
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S			0
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S			0
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S			0
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S			0
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S			0
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S			0
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			0
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S			0
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S			0
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			0

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	1		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	1		
	<u>APPLICATION FOR PERMIT TO DRILL</u>				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S	1		
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			0
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	0		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			0
	<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			0
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			0
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			0
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			0
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			0
	<u>SUBSEA BOP SYSTEMS</u>				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			0
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			0
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			0
	<u>STUMP TEST</u>				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			0
	<u>INITIAL INSTALLATION TEST</u>				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			0
	<u>HYDROGEN SULFIDE</u>				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S			0
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S			0
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C			0

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C			0
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C			0
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C			0
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W			0
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W			0
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C			0
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			0
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card ? 30 CFR 250.490(g)(2)(i, ii)	W			0
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility ? 30 CFR 250.490(k)(3)(i)	W			0
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C			0
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C			0
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S			0
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			0
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S			0
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S			0
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S			0
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S			0
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C			0
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C			0
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C			0
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W			0
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S			0
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W			0
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S			0
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C			0
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C			0

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C			0
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C			0
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S			0
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S			0
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S			0
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W			0
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W			0
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S			0
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S			0
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S			0
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			0
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W			0
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S			0
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S			0
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			0
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S			0
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			0
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S			0
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			0
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			0
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			0
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			0
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			0
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			0
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			0
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			0

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			0
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S			0
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W			0
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W			0
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W			0
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W			0
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S			0
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months ? 30 CFR 250.490(j)(11)(iv)	W/S			0
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W			0
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			0
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			0
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S			0

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Drilled out 36 inch hole prep to run 30 csg.

WELL ACTIVITY REPORT

BEGINNING DATE: 10/26/2012 ENDING DATE: 10/27/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

<input type="checkbox"/> CORRECTION <input checked="" type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-352-0000200					2. OPERATOR NAME Shell Gulf of Mexico Inc						
3. WELL NAME <small>Posey 6764 OCS-Y 2280 001</small>		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS John Henley; 281-795-0250; john.a.henley@shell.com					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Noble Discoverer						8. WATER DEPTH (surveyed) (ft) 150		9. ELEVATION AT KB (Surveyed) (ft) 48.5			
10. CURRENT WELLBORE INFORMATION											
SURFACE					BOTTOM						
LEASE NO.	AREA NAME		BLOCK NO.		LEASE NO.			BLOCK NO.			
OCS Y-2280	Posey		6764		OCS Y-2280			6764			
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
									N/A	N/A	N/A
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
001	OCS Y-2280										

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY
Provide a daily summary of well activities.

14. Open Hole Log Data
<p>BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:</p> <p><input type="checkbox"/> None of the following have occurred:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Wireline logs (Report when acquired) <input type="checkbox"/> Wireline Directionals (Report when acquired) <input type="checkbox"/> Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired) <input type="checkbox"/> Completed MWD/LWD logs and Mudlogs - (Report when they are completed.) <input type="checkbox"/> PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole) <p><input type="checkbox"/> Any of the above have occurred; if checked then submit Form BSEE-133S.</p>

15. Significant Well Events												
<p>Please check as many events from the list below:</p> <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Kick Occurrence</td> <td><input type="checkbox"/> Well Control Equipment Failure</td> </tr> <tr> <td><input type="checkbox"/> Shallow Water Flow</td> <td><input type="checkbox"/> H₂S Encounter</td> </tr> <tr> <td><input type="checkbox"/> Weather and Oceanographic Conditions</td> <td><input type="checkbox"/> New Technology Failure</td> </tr> <tr> <td><input type="checkbox"/> General Rig Equipment Failure</td> <td><input type="checkbox"/> Stuck Pipe</td> </tr> <tr> <td><input type="checkbox"/> Lost Returns</td> <td><input type="checkbox"/> Wellbore Integrity Failure</td> </tr> <tr> <td><input type="checkbox"/> Station Keeping Failure</td> <td><input type="checkbox"/> Other</td> </tr> </table>	<input type="checkbox"/> Kick Occurrence	<input type="checkbox"/> Well Control Equipment Failure	<input type="checkbox"/> Shallow Water Flow	<input type="checkbox"/> H ₂ S Encounter	<input type="checkbox"/> Weather and Oceanographic Conditions	<input type="checkbox"/> New Technology Failure	<input type="checkbox"/> General Rig Equipment Failure	<input type="checkbox"/> Stuck Pipe	<input type="checkbox"/> Lost Returns	<input type="checkbox"/> Wellbore Integrity Failure	<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other
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<input type="checkbox"/> Shallow Water Flow	<input type="checkbox"/> H ₂ S Encounter											
<input type="checkbox"/> Weather and Oceanographic Conditions	<input type="checkbox"/> New Technology Failure											
<input type="checkbox"/> General Rig Equipment Failure	<input type="checkbox"/> Stuck Pipe											
<input type="checkbox"/> Lost Returns	<input type="checkbox"/> Wellbore Integrity Failure											
<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other											

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 *et seq.*) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Public Information

U.S. Department of the Interior
 Bureau of Safety and Environmental
 Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
 OMB Approval Expires 10/31/2014
RECEIVED

OCT 29 2012

WELL ACTIVITY REPORT

BEGINNING DATE: 10/26/2012

ENDING DATE: 10/26/2012

Regional Director, Alaska OCS
 Bureau of Safety and Environmental Enforcement
 Anchorage, Alaska

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-171-0001300						2. OPERATOR NAME Shell Offshore, Inc					
3. WELL NAME OCS-Y 1805 #001 (Sivulliq N)		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS Shawn Gelsing/713.594.8531					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Shell Kulluk						8. WATER DEPTH (surveyed) (ft) 106			9. ELEVATION AT KB (Surveyed) (ft) 68		
10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.				BLOCK NO.	
OCS-Y 1805		Flaxman Island		6658		OCS-Y 1805				6658	
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					n/a				n/a	n/a	n/a
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS-Y 1805										

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

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Provide a daily summary of well activities.

14. Open Hole Log Data

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None of the following have occurred:

- Wireline logs (Report when acquired)
- Wireline Directionals (Report when acquired)
- Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
- Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
- PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)

Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

<input type="checkbox"/> Kick Occurrence	<input type="checkbox"/> Well Control Equipment Failure
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<input type="checkbox"/> Weather and Oceanographic Conditions	<input type="checkbox"/> New Technology Failure
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<input type="checkbox"/> Lost Returns	<input type="checkbox"/> Wellbore Integrity Failure
<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

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Tankersley, Yolanda J

From: Miller, Chet
Sent: Saturday, October 27, 2012 9:59 AM
To: Fesmire, Mark E; Monkeliën, Kyle; Howell, Randy; Crumrine, Kathleen; Shank, Michael L; Walker, Jeffrey
Subject: Kulluk daily

10-27-12

- Set 30 inch csg. with permanent guide base
 - Rig up to run ROV. Problem with ROV and PH meters. Trouble shooting issues.
- Plan ahead. To cement hole and casing set corrosion cap rig down and move off site.

There is no plan to drill out 20 inch hole.

Tankersley, Yolanda J

From: Miller, Chet
Sent: Saturday, October 27, 2012 3:26 PM
To: Fesmire, Mark E; Monkeliën, Kyle; Howell, Randy; Crumrine, Kathleen; Shank, Michael L; Walker, Jeffrey
Subject: Kulluk 30 inch cement

(b) (4), (b) (9)

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Kulluk **INSPECTION DATE** 10-27-12

INSPECTORS NAME: Chet Miller

MODIFIED August 2012

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	1		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	1		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	1		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	1		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	1		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	1		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	1		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	1		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C	10		
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			10
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C	10		
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C	10		
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C	3		7
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	1		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	1		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	1		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	1		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	1		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	1		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	1		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	1		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	1		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	1		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	1		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C	1		
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C	1		

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C	1		
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C	1		
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W	1		
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C	1		
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	1		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S			1
1 E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	1		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S			1
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	1		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	1		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	1		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	1		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S	1		
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			1
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			1
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			1
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W			1
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			1
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W	1		
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			0
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			0
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			0

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			0
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			0
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			0
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			0
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			0
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			0
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			0
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			0
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			0
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			0
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			0
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			0
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			0
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			0
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			0
D-174	For the final casing string , did the operator install Dual Mechanical Barriers in addition to cement , to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			0
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			0
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			0
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			0
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			0
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			0
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			0

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			0
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			0
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			0
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			0
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			0
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			0
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			0
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			0
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			0
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			0
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			0
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			0
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S	2		
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S	2		
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S	1		
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W	1		
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			0
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			0
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			0
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			0
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			0
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			0
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			0
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			0
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			0
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			0
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			0
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			0
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			0

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			0
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			0
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			0
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			0
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			0
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			0
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			0
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			0
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			0
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			0
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			0
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			0
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			0
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			0
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			0
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			0
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			0
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			0
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			0
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			0
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			0
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			0
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			0
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			0
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			0
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			0

INC#	WELL-CONTROL DRILLS	CODE	YES	NO	N/A
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			0
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W			0
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			0
	DIVERTER SYSTEMS				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			0
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			0
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, actuation-tested and the vent lines flow tested when installed? 30 CFR 250.433	W			0
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			0
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			0
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			0
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			0
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			0
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			0
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			0
D-314	Is the control station used during the diverter test or actuation identified? 30 CFR 250.434(c)	W			0
	SURFACE DIVERTER SYSTEM				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			0
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			0
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			0
D-322	Is the spool outlet and diverter line nominal diameter at least 10 inches for surface wellhead configurations and at least 12 inches for floating drilling operations? 30 CFR 250.431(a)	S			0
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			0
D-326	Is diverter sealing elements and diverter valves pressure tested to a minimum of 200 psi when nipped up on conductor casing, with no more than 7 days elapsed time between subsequent tests? 30 CFR 250.433(a)	W/S			0
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for surface diverter systems? 30 CFR 250.433(a), 250.433(c)	W			0
D-334	Is vessel heading maintained to allow for downwind diversion on dynamically-positions drill ships? 30 CFR 250.432(d)	S			0
	DRILLING FLUID PROGRAM				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W			0
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level decreases the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a lower decrease in hydrostatic pressure? 30 CFR 250.456(c)	W			0
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			0

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			0
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W			0
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S			0
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			0
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			0
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			0
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S			0
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S			0
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S			0
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S			0
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	1		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	1		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			0
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S			0
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S			0
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S			0
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S			0
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S			0
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S			0
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			0
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S			0
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S			0
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			0

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	1		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	1		
	<u>APPLICATION FOR PERMIT TO DRILL</u>				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S	1		
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			0
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	0		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			0
	<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			0
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			0
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			0
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			0
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			0
	<u>SUBSEA BOP SYSTEMS</u>				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			0
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			0
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			0
	<u>STUMP TEST</u>				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			0
	<u>INITIAL INSTALLATION TEST</u>				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			0
	<u>HYDROGEN SULFIDE</u>				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S			0
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S			0
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C			0

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C			0
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C			0
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C			0
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W			0
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W			0
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C			0
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			0
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card? 30 CFR 250.490(g)(2)(i, ii)	W			0
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility? 30 CFR 250.490(k)(3)(i)	W			0
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C			0
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C			0
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S			0
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more? 30 CFR 250.490(i)(2)(i)	W/S			0
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S			0
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S			0
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S			0
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S			0
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C			0
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C			0
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C			0
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W			0
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S			0
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W			0
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S			0
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C			0
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C			0

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C			0
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C			0
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S			0
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S			0
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S			0
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W			0
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W			0
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S			0
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S			0
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S			0
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			0
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W			0
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S			0
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S			0
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			0
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S			0
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			0
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S			0
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			0
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			0
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			0
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			0
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			0
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			0
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			0
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			0

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			0
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S			0
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W			0
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W			0
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W			0
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W			0
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S			0
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months ? 30 CFR 250.490(j)(11)(iv)	W/S			0
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W			0
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			0
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			0
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S			0

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

Public Information

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018

OMB Approval Expires 10/31/2014

RECEIVED

OCT 29 2012

WELL ACTIVITY REPORT

BEGINNING DATE: 10/27/2012

ENDING DATE: 10/27/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

<input type="checkbox"/> CORRECTION <input type="checkbox"/> CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT											
GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-171-0001300					2. OPERATOR NAME Shell Offshore, Inc						
3. WELL NAME OCS-Y 1805 #001 (Sivuliq N)		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS Shawn Gelsinger/713.594.8531					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Shell Kulluk					8. WATER DEPTH (surveyed) (ft) 106		9. ELEVATION AT KB (Surveyed) (ft) 68				
10. CURRENT WELLBORE INFORMATION											
SURFACE					BOTTOM						
LEASE NO.	AREA NAME		BLOCK NO.		LEASE NO.			BLOCK NO.			
OCS-Y 1805	Flaxman Island		6658		OCS-Y 1805			6658			
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					n/a				n/a	n/a	n/a
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS-Y 1805										

WELL ACTIVITY REPORT

12. CASING / LINER / TUBING RECORD									
TUBULAR TYPE	HOLE SIZE (IN)	SIZE (IN)	WEIGHT (#/ft)	GRADE	TEST PRESSURE (psi)	SHOE TEST (EMW)	SETTING DEPTH (MD)		CEMENT QUANTITY (cubic ft.)
							TOP	BOTTOM	

13. WELL ACTIVITY SUMMARY
Provide a daily summary of well activities.

14. Open Hole Log Data

BSEE's Technical Data Management Section requires an Open Hole Well Report (Form BSEE-0133S) to accompany this Well Activity Report if any of the below conditions have occurred for this wellbore during this period:

None of the following have occurred:

- Wireline logs (Report when acquired)
- Wireline Directionals (Report when acquired)
- Velocity Surveys, VSP's, Conventional Cores, Rotary and Percussion Sidewall Cores (Report when acquired)
- Completed MWD/LWD logs and Mudlogs - (Report when they are completed.)
- PVT, Paleontological and Geochemical Samples acquired for analysis (Report at completion of Borehole)

Any of the above have occurred; if checked then submit Form BSEE-133S.

15. Significant Well Events

Please check as many events from the list below:

<input type="checkbox"/> Kick Occurrence	<input type="checkbox"/> Well Control Equipment Failure
<input type="checkbox"/> Shallow Water Flow	<input type="checkbox"/> H ₂ S Encounter
<input type="checkbox"/> Weather and Oceanographic Conditions	<input type="checkbox"/> New Technology Failure
<input type="checkbox"/> General Rig Equipment Failure	<input type="checkbox"/> Stuck Pipe
<input type="checkbox"/> Lost Returns	<input type="checkbox"/> Wellbore Integrity Failure
<input type="checkbox"/> Station Keeping Failure	<input type="checkbox"/> Other

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq.) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

Tankersley, Yolanda J

From: Miller, Chet
Sent: Sunday, October 28, 2012 6:30 AM
To: Fesmire, Mark E; Monkeliën, Kyle; Howell, Randy; Shank, Michael L; Crumrine, Kathleen; Walker, Jeffrey
Subject: Kulluk daily

10-28-12

- Release 30 inch running tool POOH laying down pipe

Plan to run in hole and tag cement POOH laying down pipe .
Place cap on well and prep for transport

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME Kulluk **INSPECTION DATE** 10-28-12

INSPECTORS NAME: Chet Miller

MODIFIED August 2012

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	1		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	1		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	1		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	1		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	1		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	1		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	1		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	1		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C	10		
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			10
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C	10		
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C	10		
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C	3		7
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	1		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	1		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	1		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	1		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	1		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	1		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C			1
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C			1
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C			1
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C			1
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C			1
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C			1
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C			1

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C			1
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C			1
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W			1
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C			1
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	1		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S			1
1 E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	1		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S			1
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	1		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	1		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	1		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	1		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S	1		
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			1
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			1
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			1
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W			1
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			1
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W			0
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			0
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			0
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			0

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			0
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W			0
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			0
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.421(c)	W/S			0
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.423(a)	W/S			0
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			0
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			0
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			0
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			0
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			0
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			0
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			0
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			0
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			0
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			0
D-174	For the final casing string, did the operator install Dual Mechanical Barriers in addition to cement, to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			0
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			0
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			0
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			0
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			0
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			0
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			0

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			0
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			0
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			0
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			0
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			0
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			0
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			0
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			0
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			0
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			0
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			0
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			0
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S	2		
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S	2		
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S	1		
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W	1		
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			0
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			0
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			0
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			0
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			0
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			0
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			0
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			0
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			0
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			0
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			0
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			0
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			0

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			0
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			0
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			0
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			0
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			0
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			0
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			0
D-254	When the BOP test are postponed due to well control problems, is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			0
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			0
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			0
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			0
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			0
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			0
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			0
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes, 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			0
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			0
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			0
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			0
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			0
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			0
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			0
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			0
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			0
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			0
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			0
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			0

<u>INC#</u>	<u>WELL-CONTROL DRILLS</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			0
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W			0
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			0
	<u>DIVERTER SYSTEMS</u>				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			0
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			0
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, actuation-tested and the vent lines flow tested when installed? 30 CFR 250.433	W			0
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			0
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			0
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			0
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			0
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			0
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			0
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			0
D-314	Is the control station used during the diverter test or actuation identified? 30 CFR 250.434(c)	W			0
	<u>SURFACE DIVERTER SYSTEM</u>				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			0
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			0
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			0
D-322	Is the spool outlet and diverter line nominal diameter at least 10 inches for surface wellhead configurations and at least 12 inches for floating drilling operations? 30 CFR 250.431(a)	S			0
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			0
D-326	Is diverter sealing elements and diverter valves pressure tested to a minimum of 200 psi when nipped up on conductor casing, with no more than 7 days elapsed time between subsequent tests? 30 CFR 250.433(a)	W/S			0
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, conducted at least once every 24 hour period alternating between control stations for surface diverter systems? 30 CFR 250.433(a), 250.433(c)	W			0
D-334	Is vessel heading maintained to allow for downwind diversion on dynamically-positions drill ships? 30 CFR 250.432(d)	S			0
	<u>DRILLING FLUID PROGRAM</u>				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation was not necessary? 30 CFR 250.456(a)	W			0
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level decreases the hydrostatic pressure by 75 psi, or every 5 stands of drill pipe, whichever gives a lower decrease in hydrostatic pressure? 30 CFR 250.456(c)	W			0
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			0

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			0
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W			0
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S			0
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			0
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			0
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			0
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S			0
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S			0
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S			0
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S			0
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	1		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	1		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			0
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S			0
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S			0
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S			0
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S			0
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S			0
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S			0
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			0
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S			0
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S			0
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			0

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	1		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	1		
	<u>APPLICATION FOR PERMIT TO DRILL</u>				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S	1		
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			0
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	0		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			0
	<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			0
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			0
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			0
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			0
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			0
	<u>SUBSEA BOP SYSTEMS</u>				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			0
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			0
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			0
	<u>STUMP TEST</u>				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			0
	<u>INITIAL INSTALLATION TEST</u>				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			0
	<u>HYDROGEN SULFIDE</u>				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S			0
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S			0
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C			0

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C			0
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C			0
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C			0
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W			0
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W			0
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C			0
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			0
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card ? 30 CFR 250.490(g)(2)(i, ii)	W			0
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility ? 30 CFR 250.490(k)(3)(i)	W			0
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C			0
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C			0
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S			0
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more ? 30 CFR 250.490(i)(2)(i)	W/S			0
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S			0
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S			0
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S			0
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S			0
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C			0
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C			0
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C			0
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel? 30 CFR 250.490(k)(1)(i)	W			0
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2? 30 CFR 250.490(j)(13)(i, ii, v)	S			0
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W			0
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use? 30 CFR 250.490(j)(13)(iv)	C/S			0
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member? 30 CFR 250.490(j)(13)(vii)	C			0
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan? 30 CFR 250.490(j)(13)(viii)	C			0

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C			0
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C			0
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S			0
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S			0
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S			0
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W			0
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W			0
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S			0
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S			0
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S			0
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			0
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W			0
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S			0
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S			0
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			0
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S			0
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			0
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S			0
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			0
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			0
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			0
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			0
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			0
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			0
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			0
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			0

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			0
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S			0
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W			0
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W			0
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W			0
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W			0
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S			0
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months ? 30 CFR 250.490(j)(11)(iv)	W/S			0
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W			0
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			0
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			0
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S			0

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:

U.S. Department of the Interior
Bureau of Safety and Environmental
Enforcement (BSEE)

Submit ORIGINAL

OMB control Number 1014-0018
OMB Approval Expires 10/31/2014
RECEIVED

OCT 29 2012

Regional Director, Alaska OCS
Bureau of Safety and Environmental Enforcement
Anchorage, Alaska

WELL ACTIVITY REPORT

BEGINNING DATE: 10/28/2012 ENDING DATE: 10/28/2012

REPORT IS NOT TO EXCEED 7 DAYS (1 WEEK) IN DURATION

CORRECTION CHECK IF THIS IS THE LAST WELL ACTIVITY REPORT

GENERAL INFORMATION											
1. API WELL NO. (10 digits) 55-171-0001300						2. OPERATOR NAME Shell Offshore, Inc					
3. WELL NAME OCS-Y 1805 #001 (Shulluk N)		4. SIDETRACK NO. 00		5. BYPASS NO. 00		6. CONTACT NAME / CONTACT TELEPHONE NUMBER / CONTACT E-MAIL ADDRESS Shawn Gelsinger/713.594.8531					
7. RIG NAME OR PRIMARY UNIT (e.g., wireline unit, coil tubing unit, etc.) Shell Kulluk							8. WATER DEPTH (surveyed) (ft) 106		9. ELEVATION AT KB (Surveyed) (ft) 68		
10. CURRENT WELLBORE INFORMATION											
SURFACE						BOTTOM					
LEASE NO.		AREA NAME		BLOCK NO.		LEASE NO.			BLOCK NO.		
OCS-Y 1805		Flaxman Island		6658		OCS-Y 1805			6658		
WELLBORE	START DATE	TD DATE	STATUS	END DATE	KOP (MD)	MD	TVD	MW PPG	LAST BOP TEST DATE	LAST BOP TEST PRESSURE	
										LOW	HIGH
					n/a				n/a	n/a	n/a
11. WELLBORE HISTORICAL INFORMATION											
WELLBORE	BOTTOM LEASE	START DATE	TD DATE	PA DATE	FINAL MD	FINAL TVD					
	OCS-Y 1805										

WELL ACTIVITY REPORT

Please provide narrative information with regards to any significant events. Provide attachments, if necessary.

PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 *et seq.*) requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. BSEE uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operations. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.197. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for Forms BSEE-0133 and BSEE-0133S is approximately 1 hour per form per response. This includes the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Bureau of Safety and Environmental Enforcement, 381 Elden Street, Herndon, VA 20170.

BSEE DRILLING PINC LIST INSPECTION FORM FOR SUBSEA

RIG NAME ___ Kulluk ___ **INSPECTION DATE** ___ 10-29-12

INSPECTORS NAME: Chet Miller

MODIFIED August 2012

<u>INC#</u>	<u>IDENTIFICATION</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-100	Is the facility identified as required? (w/ operator, area block, and rig name 12" lettering – one side or corner permanently affixed and visible rig ID is acceptable) 30 CFR 250.154	W	1		
OPERATIONS					
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? 30 CFR 250.107(a)(1), 401(e)	W/C/S	1		
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? 30 CFR 250.107(a)(2), 401(e)	W/C/S	1		
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazard? 30 CFR 250.107(b), 401(e)	W/C/S	1		
G-113	Does the lessee make all facilities and records available for inspection by BSEE personnel? 30 CFR 250.132	W	1		
G-114	Are operations conducted in accordance with Lease Stipulations ? 30 CFR 250.101	W/C/S	1		
G-115	Are operations conducted in accordance with Approved Applications ? 30 CFR 250.410, 802, 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S	1		
G-116	Are operations conducted in accordance with Approved Plans ? 30 CFR 250.200, 254.2	W/C/S	1		
ENGINES					
G-150	Is all exhaust piping from each diesel engine or engine-driven equipment equipped with spark arresters ? 30 CFR 250.112(a), 803(b)(5)(i)	C	10		
G-152	Is each engine exhaust and other hot surfaces equipped to comply with the insulation and personnel protection requirements of API RP 14C, Section 4.2.4.4 and 4.2.5 ? 30 CFR 250.803(b)(5)	C			10
G-153	Are all engines with electrical ignitions designed and maintained to reduce the release of electrical energy? 30 CFR 250.114(d)	C	10		
G-155	Are diesel engines equipped with an air intake shut down device ? 30 CFR 250.510, 250.610, 250.803(b)(5)(ii), 250.405(b), 250.405(c)	C	10		
G-156	For diesel engines that are not continuously manned , is an automatic air intake shutdown device installed? 30 CFR 250.405(a, c), 510, 610, 803(b)(5)(ii)	C	3		7
MARKING OF EQUIPMENT					
G-250	Are all loose materials, small tools, and other small objects kept in a storage area or a marked container when not in use? 30 CFR 250.300(c)(1)	W	1		
G-251	Are skid-mounted equipment, portable containers, spools or reels, and drums clearly marked with the owner's name durable enough to resist the effects of the environmental conditions? 30 CFR 205.300(c)(3), 250.300(c)(4)	W	1		
G-253	Are all materials, equipments, tools, containers, and other items that are lost overboard recorded on the facility's daily operation report? 30 CFR 250.300(d)	W	1		
WELDING AND BURNING					
G-300	Is a copy of the welding, burning, and hot tapping plan and approved letter available on the facility? 30 CFR 250.109(b)(1), 250.418(e)	W	1		
G-301	Is a drawing showing the locations of safe welding and burning areas maintained on the facility? 30 CFR 250.109(b)(2)	W	1		
G-302	Is all welding and burning equipment inspected by the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping ? 30 CFR 250.111	C	1		
G-303	Is equipment containing hydrocarbons or other flammable substances relocated at least 35 feet horizontally from the welding site, 35 feet horizontally from the point of impact of slag, sparks, or burning materials at a lower elevation, or is it otherwise protected? 30 CFR 250.113(a)	C	1		
G-304	Are welding leads completely insulated and in good condition? 30 CFR 250.112(b)	C	1		
G-305	Are oxygen and fuel bottles secured in a safe place? 30 CFR 250.112(d)	W/C	1		
G-306	Are hoses leak-free and equipped with fittings, gauges, and regulators? 30 CFR 250.112(c)	C	1		
G-309	Prior to the commencement of any welding or burning operations in areas other than approved safe welding or burning areas , has the lessee's designated person in charge issued a written authorization for the work? 30 CFR 250.113(c)(1)(i)	C	1		
G-310	In areas other than approved safe welding or burning areas, have piping, containers, tanks, or other vessels on which welding and burning operations are conducted, and which have contained a flammable substance been rendered inert and safe? 30 CFR 250.113(c)(2)	C	1		
G-311	For welding and burning operations in areas other than approved safe welding and burning areas, has one or more persons, with no other duties , during welding and burning operations, been designated as fire watch ? 30 CFR 250.113(c)(2)	C	1		

<u>INC#</u>		<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
G-312	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch maintain a continuous surveillance with a portable gas detector during the welding and burning operation if the operation is to be in an area which is not equipped with a gas detector? 30 CFR 250.113(c)(2)(iv)	C	1		
G-313	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch have usable firefighting equipment in their possession? 30 CFR 113(c)(2)(ii)	C	1		
G-314	For welding and burning operations in areas other than approved safe welding and burning areas, does the fire watch remain on duty for a period of 30 minutes after welding or burning operations have been completed? 30 CFR 250.113(c)(2)(iii)	W	1		
G-317	Are all water-discharge-point sources from hydrocarbon-handling vessels monitored in order to stop welding and burning operations in case flammable fluids are discharged as a result of equipment upset or malfunction? 30 CFR 250.113(b)	C	1		
<u>POLLUTION PREVENTION</u>					
E-100	Is the lessee preventing pollution of offshore waters? 30 CFR 250.300(a), 250.107(a), 250.132(a), 250.132(b), 250.300(b)(3), 254.2(a), 254.5(a), 254.5(c)	W/C/S	1		
E-101	Is the lessee disposing of drill cuttings, sand, and other well solids as approved ? 30 CFR 250.300(b)(2)	C/S			1
1 E-102	Is the facility equipped with curbs, gutters, and drip pans necessary to collect all contaminants not authorized for discharge? 30 CFR 250.300(b)(4)	W/C/S	1		
E-107	Is the lessee adhering to the prohibition on the addition of petroleum-based substances to the mud system without prior approval? 30 CFR 250.300(b)(1)	S			1
E-108	Is the lessee preventing the disposal of equipment, cables, chains, containers, and other material into offshore waters? 30 CFR 250.300(b)(6)	W/S	1		
E-120	Are records of daily pollution inspections maintained at the facility? 30 CFR 250.301(a), 250.132(a), 250.132(b), 250.1005(a), 254.2(a)	W/S	1		
E-123	Is the pollution response equipment identified in the Oil Spill Response Plan located at the designated site(s), tested, maintained, and inspected monthly, and are records being maintained ? 30 CFR 250.132(a, b), 254.2(a), 254.5(a), 254.24(a), 254.40, 254.42(e), 254.43(a, b)	W/S	1		
<u>GENERAL</u>					
D-100	Is an operable crown block safety device installed to prevent the traveling block from striking the crown? 30 CFR 250.404	S	1		
D-101	Is the crown block safety device checked for proper operation at least once each week, after each drill-line slipping operation, and are the results entered into the drillers report? 30 CFR 250.404	W/S	1		
<u>DIRECTIONAL SURVEYS</u>					
D-110	Are inclination surveys obtained on all vertical wells not exceeding 1,000 feet during the normal course of drilling? 30 CFR 250.461(a)(1)	S			1
D-113	Are directional surveys giving both inclination and azimuth obtained at intervals not exceeding 500 feet prior to or upon setting surface or intermediate casings, liners, and at total depth on all wells ? 30 CFR 250.461(a)(2)	S			1
<u>MOVING DRILLING RIGS</u>					
D-120	Are all wells in the same well-bay which is capable of producing hydrocarbons shut-in below the surface with a pump-through-type tubing plug and at the surface with a closed master valve prior to moving drilling rigs and related equipment (<i>or as otherwise approved by the District Manager</i>)? 30 CFR 250.406(b)	W/C			1
D-121	Is the movement of all drilling units on and off location reported to the District Manager 24 hours prior to the movement , including the rig name, lease number, well number, and the expected time of arrival or departure? 30 CFR 250.403(a), 250.403(b)	W			1
D-130	Is an operable ESD station located near the driller's console on platforms where there are producing wells or other hydrocarbon flow? 30 CFR 250.406(a)	C			1
<u>CASING PROGRAM</u>					
D-150	Is casing set as approved ? 30 CFR 250.420	W	1		
D-151	Is any portion of an annulus opposite a permafrost zone which is not protected by cement filled with a liquid which has a freezing point below the minimum permafrost temperature to prevent internal freezeback and which is treated to minimize corrosion? 30 CFR 250.428(j)	W/S			0
D-152	Has a high-pressure integrity test been run below the surface casing, the intermediate casing(s), and liner(s) used as intermediate casing(s)? 30 CFR 250.427	W/S			0
D-153	Are drilling operations suspended when the safe margin , as approved in the APD between the mud weight in use and the equivalent mud weight at the casing shoe is not maintained ? 30 CFR 250.427(b)	W/S			0

INC#		CODE	YES	NO	N/A
D-154	Are the results of all tests and of hole-behavior observations made during the course of drilling related to formation integrity and pore pressure recorded in the driller's report? 30 CFR 250.427(a)	W			0
D-155	If the hole for the drive and structure casing was drilled , was the quantity of cement sufficient to fill the annular space back to the mud line used? 30 CFR 250.421(a)	W	1		
D-156	Is cement fill in the annular spaces of the conductor casing verified by the observing cement returns, or is an additional quantity of cement used to assure the space is filled back to the mud line? 30 CFR 250.421(b)	W/S			0
D-157	Is surface casing cemented with a quantity of cement that fills the calculated annular space to at least 200 feet inside the conductor casing (or as otherwise approved by the District Manager)? 30 CFR 250.421(c)	W/S			0
D-158	Have the surface, intermediate, and production casing been pressure tested to 70 percent of the minimum internal yield pressure of the casing, and has the conductor casing been tested to a minimum of 200 PSI for 30 minutes , with no more than 10% pressure drop during the test , (or as otherwise approved by the District Manager)? 30 CFR 250.423(a)	W/S			0
D-159	Are all casing and liner pressure tests recorded on a chart certified (signed and dated) by the onsite representative with the time, date, and results? 30 CFR 250.426	W			0
D-163	Has the casing been pressure-tested, callipered, or otherwise evaluated every 30 days during prolonged operations? 30 CFR 250.424(a), 250.424(b)	W/S			0
D-164	After cementing surface, intermediate, or production casing (or liners), was the cement held under pressure for the required length of time? 30 CFR 250.422(a)	W			0
D-165	Were cementing jobs conducted as designed so that cement composition, placement techniques, and wait times ensure that the cement placed behind the bottom 500 feet of casing attains a minimum compressive strength of 500 psi before drilling out of the casing or before commencing completion operation? 30 CFR 250.420(c)	W			0
D-166	Is the intermediate casing cemented with at least a minimum amount of cement to fill the annular space 500 feet above the casing shoe and 500 feet above each zone to be isolated? 30 CFR 250.421(d)	W			0
D-169	Is enough cement used to cover or isolate all hydrocarbon bearing zones , at least 500 feet of annular space above the casing shoe and 500 feet above the uppermost hydrocarbon bearing zone? 30 CFR 250.421(e)	W			0
D-170	If the Diverter or the BOP are nipped down during the waiting period for cement, has it been determined safe to do so before doing so? 30 CFR 250.422 (b)	W			0
D-171	If the casing setting depths are more than 100 feet TVD from the depth approved in the APD , has the change been approved by the District Manager? 30 CFR 250.428(b)	W/S			0
D-172	Were remedial actions, approved by the District Manager , taken if there were indications of an inadequate cementing job? 30 CFR 250.428(c), 250.428(d)	W			0
D-173	Was remedial action taken if the primary cement job did not isolate abnormal pressure intervals? 30 CFR 250.428(e)	W			0
D-174	For the final casing string, did the operator install Dual Mechanical Barriers in addition to cement, to prevent flow in the event of failure in the cement? 30 CFR 250.420(b)(3)	W/S			0
D-176	Did the operator ensure proper installation of Casing or Liner in the Subsea wellhead or liner? 30 CFR 423(b)(1)	W/S			0
D-177	Did the Operator perform a Pressure Test on the Casing Seal Assembly to assure proper installation of the Intermediate and Production Casing string in the Subsea Wellhead or Liner Hanger? 30 CFR 250.423(b)(2)	S			0
D-178	Did the operator perform a Negative Pressure Test on the Intermediate and Production Casing String to insure proper Casing Installation? 30 CFR 250.423(c)	W/S			0
<u>BOP SYSTEMS AND COMPONENTS</u>					
D-200	Does the working-pressure rating of all BOP components exceed the maximum anticipated surface pressure to which they may be subjected? 30 CFR 250.440	S			0
D-202	Have accumulator regulators, supplied by rig air and without a secondary source of pneumatic supply , been equipped with manual over rides or other devices provided to ensure capability of hydraulic operations if rig air is lost? 30 CFR 250.441(c)	S			0
D-203	Is an automatic backup accumulator-charging system , supplied by a power source independent from the power source to the primary accumulator-charging system, and possessing sufficient capability to close all BOP components and hold them closed, provided? 30 CFR 250.443(a)	S			0

INC#		CODE	YES	NO	N/A
D-204	Is at least one operable remote BOP control station , in addition to the one on the drilling floor, provided in a readily accessible location away from the drilling floor? 30 CFR 250.443(b)	S			0
D-205	Is a drilling spool with side outlets provided if side outlets are not provided in the body of the BOP stack to provide for separate kill and choke lines ? 30 CFR 250.443(c)	S			0
D-207	Is each kill and choke line equipped with two full opening valves , with at least one remote control valve for surface and all remote control valves for subsea? 30 CFR 250.443(d)	S			0
D-208	Is a fill-up line installed above the uppermost preventer? 30 CFR 250.443(e)	S			0
D-209	Do the choke manifold components have a rated working pressure at least as great as the rated working pressure of the ram type BOP's? 30 CFR 250.444(b)	S			0
D-210	Are all Components of the Choke Manifold System Suitable for the Application in which those components will be used? 30 CFR 250.444(a)	S			0
D-211	If buffer tanks are installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together, are isolation valves installed on each line? 30 CFR 250.444(b)	S			0
D-212	Do valves, pipes, flexible steel hoses, and other fittings upstream of the choke manifold have pressure ratings at least as great as the rated working pressure of the ram-type BOP's? 30 CFR 250.444(c)	S			0
D-213	Is wellhead assembly with a rated working pressure that exceeds the MASP installed? 30 CFR 250.443(g)	S			0
D-214	Is a full-opening Kelly valve installed below the swivel (upper Kelly valve)? 30 CFR 250.445(a), 250.445(h)	S			0
D-215	Is a full-opening, strippable, Kelly valve installed at the bottom of the Kelly (lower Kelly valve)? 30 CFR 250.445(b), 250.445(h)	S			0
D-216	With a mud motor in service and while using drill pipe in lieu of a Kelly , is one Kelly valve located above and one strippable Kelly valve located below the joint of drill pipe employed in lieu of the Kelly ? 30 CFR 250.445(c)	S			0
D-217	On a top-drive system equipped with a remote controlled valve , is a strippable Kelly valve installed below the remote controlled valve? 30 CFR 250.445(d)	S	2		
D-218	Is a wrench to fit each manually operable valve readily accessible to the drilling crew? 30 CFR 250.445(i)	S	2		
D-219	Are the inside BOP and full-opening drill-string safety valves , fitting all sizes of pipe in the drill-string, in the open position on the rig-floor at all times while drilling operations are being conducted ? 30 CFR 250.445(e), 250.445(f)	S	1		
D-220	Is a safety valve in the open position available on the rig floor to fit the casing being run in the hole? 30 CFR 250.445(g)	W	1		
D-221	Are locking devices installed on the ram-type preventers? 30 CFR 250.443(f)	S			0
D-223	Is the choke line installed on the BOP stack above the bottom ram ? 30 CFR 250.443(d)(1)	S			0
D-224	Is the kill line installed on the BOP stack? 30 CFR 250.443(d)	S			0
D-225	If a BOP control station or pod does not perform properly , are drilling operations suspended until that station or pod is operable? 30 CFR 250.451(d)	W/S			0
D-226	Did Operator provide BSEE Representative access to the location to witness any Testing or Inspections? 30 CFR 250.416(g)(2)(ii)	S			0
D-227	Did Operator prior to any Shearing Ram Test and Inspection notify the District Manager at least 24 hours in advance? 30 CFR 250.416(g)(2)(ii)	W			0
SUBSEA BOP SYSTEMS					
D-240	Prior to drilling below surface casing with a subsea stack , are there at least four remote-controlled, hydraulically operated BOP's including at least two equipped with pipe rams, one with blind-shear rams and one annular type? 30 CFR 250.442(a)	S			0
D-241	Is the accumulator closing system to provide fast closure of the BOP components and to operate all critical functions in case of a loss of power fluid connection to the surface installed in accordance with API RP 53 13.3? 30 CFR 250.442(c)	S			0
D-242	Does the BOP system include operable dual-pod control systems to ensure proper and independent operations? 30 CFR 250.442(b)	S			0
D-243	Do the records indicate that the mud line cellar is at the approved depth to ensure that the top of the stack is below the deepest probable ice-scour depth ? 30 CFR 442(l)	S			0
D-244	Is the Marine Riser Displaced with Sea Water Prior to removal? 30 CFR 250.442(k)	W			0
D-245	Does the Operator's Subsea Accumulator Precharge Pressure Compensate for the Water Depth in which the BOPs will be Operating in accordance with API RP 53, Section 13.3.7 ? 30 CFR 250.442 (c)	S			0
D-246	Did Operator Calibrate Accumulator Pressure Gauges to one percent of full scale at least once every three years in accordance with API RP 53, Section 13.3.8? 30 CFR 250.442 (c)	W			0

INC#		CODE	YES	NO	N/A
D-247	Is the Subsea BOP Stack equipped with ROV Intervention? 30 CFR 250.442(d)	S			0
D-248	Does the Subsea BOP System have an Autoshear and Deadman System for Dynamically Positioned Rigs? 30 CFR 250.442(f)	S			0
D-249	Did the Operator install Operational or Physical Barrier(s) on a Subsea BOP Control Panel to Prevent Accidental Disconnect Functions? 30 CFR 250.442(g)	W			0
	<u>BOP TESTS, ACTUATORS, INSPECTIONS, AND MAINTAINANCE</u>				
D-250	Have all BOP system components been successfully tested to a low pressure of 200 psi to 300 psi prior to conducting high pressure test? 30 CFR 250.448(a)	W/S			0
D-251	Are ram type BOP's, choke manifold, and other BOP equipment pressure tested to a pressure equal to the rated working pressure of the equipment or to a pressure approved in the APD? 30 CFR 250.448(b)	W/S			0
D-252	Are safety valves actuated prior to running casing and recorded in the drillers report? 30 CFR 250.449(i), 250.450	W			0
D-253	Are surface and subsea BOP systems pressure tested before drilling out each string of casing or liner or as otherwise approved by the District Manager? 30 CFR 250.447(c)	W/S			0
D-254	When the BOP test are postponed due to well control problems , is the BOP test performed on the first trip out of the hole and are the specific reasons for postponing the testing recorded in the drillers report? 30 CFR 250.451(c)	W			0
D-256	Are annular and ram BOP's function tested every 7 days between pressure tests? 30 CFR 250.449(h)	W/S			0
D-257	Are variable-bore pipe rams pressure tested against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools? 30 CFR 250.449(f)	W/S			0
D-258	Are affected BOP components pressure tested following disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly? 30 CFR 250.449(g)	W/S			0
D-259	Are the BOP systems visually inspected each day for the surface stacks or at least once every three days for subsea stacks? 30 CFR 250.446(b), 250.450	W			0
D-260	Are the time, date, and results of all pressure tests, actuations, and inspections of BOP system, system components, and marine risers recorded in the driller's report? 30 CFR 250.450	W			0
D-261	Are BOP test pressures recorded on a pressure chart or digital recorder? 30 CFR 250.448(d), 250.450(a)	W			0
D-262	Is the test interval for each BOP component tested for a minimum of 5 minutes , 3 minutes on the outermost half of a chart, or on a digital recorder to demonstrate that the component is holding pressure? 30 CFR 250.448(d)	W/S			0
D-263	Are BOP test pressure charts certified (signed and dated) as correct by the operator's representative at the facility? 30 CFR 250.450(b)	W			0
D-264	Does the documentation indicate the sequential order of BOP and auxiliary equipment testing and the pressure and the duration of each test? 30 CFR 250.450(c)	W			0
D-265	Is the control station or pod used during the BOP system testing identified in the driller's report or referenced documents? 30 CFR 250.450(c), 250.450(d)	W			0
D-266	Are any problems or irregularities observed during BOP system testing identified and actions taken to remedy such problems or irregularities recorded? 30 CFR 250.450(c), 250.450(e)	W			0
D-267	Are all records including pressure charts, driller's report, and referenced documents of BOP tests, actuations, and inspections available at the facility for the duration of the driller's activity? 30 CFR 250.450(c), 250.450(f)	W			0
D-268	Are all records related to casing and liner pressure tests, diverter tests, and BOP tests retained for a period of two years after completing the drilling operations? 30 CFR 250.467(b)	W			0
D-269	Are blind and blind-shear rams tested during a stump test and at all casing points without exceeding 30 days between tests? 30 CFR 250.449(d), 250.449(e)	W/S			0
	<u>SUBSEA BOP TEST</u>				
D-281	Are subsea BOP system components stump pressure tested at the surface with water to their rated working pressure? 30 CFR 250.449(b)	W/S			0
D-282	Are subsea annular-type BOP's stump pressure tested at the surface with water to 70 percent of their rated working pressure or to the pressure in the approved APD? 30 CFR 250.448(c), 250.449(b)	W/S			0
D-283	Was the subsea BOP stack pressure tested after installation? 30 CFR 250.447(a), 250.448(c)	W/S			0
D-285	Are BOP systems pressure testing begun before 14 days have elapsed since the last BOP test, alternating between control stations and pods? 30 CFR 250.447(b), 250.449(c)	W/S			0

<u>INC#</u>	<u>WELL-CONTROL DRILLS</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-290	Are well-control drills conducted for each drilling crew and recorded in the driller's report? 30 CFR 250.462, 250.462(c)	W			0
D-291	Is a copy of the complete well-control plan posted on the rig floor or bulletin board? 30 CFR 250.462(a)	W			0
D-292	Are drills conducted in accordance with the well-control drill plan? 30 CFR 250.462, 250.462(a), 250.462(b)	W			0
	<u>DIVERTER SYSTEMS</u>				
D-300	When drilling conductor or surface hole, is the drilling unit equipped with a diverter system consisting of a diverter sealing element, diverter lines, and control system? 30 CFR 250.430	S			0
D-301	Is the diverter system equipped with full opening remote-controlled valves in the flow and vent lines that can be operated from at least one remote-control station in addition to the one on the drilling floor? 30 CFR 250.431(c), 250.431(d)	S			0
D-302	Are the diverter sealing element, diverter valves, and diverter-control systems, including the remote-control system, <u>actuation-tested</u> and the vent lines flow tested when installed? 30 CFR 250.433	W			0
D-305	Are all right-angle and sharp turns in the diverter lines targeted? 30 CFR 250.431(e)	S			
D-306	Do flexible hose used for diverter lines have integral end couplings? 30 CFR 250.432(a)	S			0
D-307	Is the entire diverter system anchored and supported to prevent whipping and vibration? 30 CFR 250.431(f)	S			0
D-308	Are all diverter control instruments and lines protected from physical damage from thrown or falling objects? 30 CFR 250.431(g)	S			0
D-309	Are all diverter pressure test, flow test, and actuation results recorded in the drillers report? 30 CFR 250.433, 250.434	W			0
D-311	Are branch lines installed to provide downwind diversion capability, if the diverter system utilizes only one spool outlet? 30 CFR 250.432(b)(1), 250.432(b)(2)	S			0
D-312	Is each diverter pressure test recorded on a pressure chart? 30 CFR 250.434(a)	W/S			0
D-313	Has the onsite representative certified (sign and dated) the diverter pressure chart as correct? 30 CFR 250.434(b)	W			0
D-314	Is the control station used during the diverter test or actuation <u>identified</u> ? 30 CFR 250.434(c)	W			0
	<u>SURFACE DIVERTER SYSTEM</u>				
D-315	Are problems or irregularities observed during diverter testing or actuation, and the remedies recorded in the drillers report? 30 CFR 250.434(d)	W			0
D-316	Are pressure charts and reports pertaining to the diverter test and actuations retained at the rig for the duration of drilling the well? 30 CFR 250.434(e)	W			0
D-317	Is the Diverter System Designed, Installed, Used, and Maintained and Tested to ensure Proper Diversion of Gases, Water, Drilling Fluids and other Materials away from the Facilities and Personnel before Drilling Conductor or Surface Hole. 30 CFR 250.430	S			0
D-322	Is the spool outlet and diverter line nominal diameter at <u>least 10 inches</u> for surface wellhead configurations and at <u>least 12 inches for floating drilling operations</u> ? 30 CFR 250.431(a)	S			0
D-324	Are both outlets piped to provide down wind diversion capability, if dual spool outlets are utilized? 30 CFR 250.431(b)	S			0
D-326	Is diverter sealing elements and diverter valves pressure tested to a <u>minimum of 200 psi</u> when nipped up on conductor casing, with no more than <u>7 days elapsed time</u> between subsequent tests? 30 CFR 250.433(a)	W/S			0
D-327	Are subsequent actuation test of the diverter sealing element, diverter valves, and diverter-control systems, including the remote control system, <u>conducted at least once every 24 hour period alternating between control stations for surface diverter systems</u> ? 30 CFR 250.433(a), 250.433(c)	W			0
D-334	Is vessel heading maintained to allow for downwind diversion on <u>dynamically-positions drill ships</u> ? 30 CFR 250.432(d)	S			0
	<u>DRILLING FLUID PROGRAM</u>				
D-400	Has drilling fluid been properly condition by circulation before starting out of the hole with drill pipe, or is there proper documentation in the driller's report that circulation <u>was not</u> necessary? 30 CFR 250.456(a)	W			0
D-401	When coming out of the hole with drill pipe, is the annulus filled with drilling fluid before the change in drilling fluid level <u>decreases the hydrostatic pressure by 75 psi</u> , or <u>every 5 stands of drill pipe</u> , whichever gives a <u>lower decrease in hydrostatic pressure</u> ? 30 CFR 250.456(c)	W			0
D-402	Has the number of stands of drill pipe and drill collars that may be pulled prior to filling the hole and has the equivalent drilling fluid volume needed to fill the hole been calculated and have both been posted near the driller's station? 30 CFR 250.456(c)	W			0

INC#		CODE	YES	NO	N/A
D-403	For each casing string, is the maximum pressure to be contained under the BOP stack calculated and posted near the driller's station? 30 CFR 250.456(f)	W			0
D-404	In areas where permafrost and/or hydrate zones may be present or are known to be present, are drilling fluid temperatures controlled? 30 CFR 250.456(j)	W			0
D-405	Is an operable drilling fluid-gas separator and operable degasser installed prior to commencement of drilling operations and maintained throughout the drilling of the well? 30 CFR 250.456(g)	S			0
D-406	Is the test fluid in the hole circulated or reverse-circulated prior to pulling the drill-stem test tools from the hole and was it recorded in the drillers report? 30 CFR 250.456(b), 250.456(h)	W			0
D-407	Is drilling fluid testing equipment maintained on the drilling rig at all times? 30 CFR 250.456(i)	S			0
D-408	Are drilling fluid test performed once each tour, or more frequently, if conditions warrant and are the results recorded in the drillers report? 30 CFR 250.456(i)	W			0
D-410	Is a drilling fluid-pit level indicator with visual and audible warnings installed and used? 30 CFR 250.457(a)	S			0
D-411	Is a drilling fluid-volume measuring device used to determine the drilling fluid volumes required to fill the hole on trips? 30CFR 250.457(b)	S			0
D-412	Are drilling fluid-return indicator devices, which indicate the relationship between drilling fluid-return flow rate and pump discharge rate, installed with visual and audible warning alarms? 30 CFR 250.457(c)	S			0
D-413	Is operable gas-detection equipment installed to monitor drilling fluid returns, with the required type of indicators located on the rig floor or in a continuously manned drilling fluid-logging unit having immediate communication with the rig floor? 30 CFR 250.457(d)	S			0
D-414	Are minimum quantities of drilling fluid materials, including weight material, maintained at the drill site as necessary to ensure well control and, if not, are drilling operations suspended? 30 CFR 250.418(b), 250.458(a), 250.458(c)	W/S	1		
D-415	Are records of daily inventories of drilling fluid and drilling fluid materials maintained at the well site? 30 CFR 250.458(b)	W	1		
MUD PROGRAM					
D-416	Before Displacing Kill-Weight Drilling Fluid from the Wellbore, did Operator obtain Approval from the District Manager? 30 CFR 250.456(j)	S			0
DRILLING FLUID HANDLING AREAS					
D-421	<u>All classified drilling fluid handling areas where dangerous concentrations of combustible gas may accumulate shall be equipped as described in the following 9 PINC's:</u> If not continuously activated, are mechanical ventilation systems activated on signal from gas detectors that are operational at all times indicating the presence of <u>1 percent or more of combustible gas by volume</u> ? 30 CFR 250.459(a)(2)	S			0
D-422	Equipped with high-capacity mechanical ventilation systems with alarms unless such ventilation is provided by natural means? 30 CFR 250.459(a), 250.459(a)(1)	S			0
D-423	Maintained at a negative pressure by mechanical ventilation? 30 CFR 250.459(a)(3)	S			0
D-424	Maintained at a negative pressure protected with at least one of the following: (i) a pressure sensitive alarm (ii) Open-door alarms on each access to the area (iii) Automatic door-closing devices (iv) Air locks (v) other devices approved by the District Manager? 30 CFR 250.459(a)(3)	S			0
D-425	Fitted with gas detectors and alarms except in open areas where adequate ventilation is provided by natural means? 30 CFR 250.459(b)	S			0
D-426	Equipped with either explosion-proof or pressurized electrical equipment to prevent the ignition of explosive gases? 30 CFR 250.459(c)	S			0
D-427	Where air is used for pressuring, is the air intake located outside of, and as far as practical from, hazardous areas? 30 CFR 250.459(c)	S			0
D-428	Are mechanical ventilation systems fitted with alarms which are activated upon a failure of the system? 30 CFR 250.459(d)	S			0
D-429	Are gas detection systems tested for operation and recalibrated at frequency such that no more than 90 days shall elapse between tests? 30 CFR 250.459(b)	W/S			0
SECURING OF WELLS					
D-440	Is a downhole safety device such as a cement plug, bridge plug, or packer installed when drilling operations are interrupted by events such as those which force evacuation of the drilling crew, prevent station keeping, or require repairs to major drilling or well-control equipment? 30 CFR 250.402	W			0

<u>INC#</u>	<u>SUPERVISION, SURVEILLANCE, AND TRAINING</u>	<u>CODE</u>	<u>YES</u>	<u>NO</u>	<u>N/A</u>
D-450	From the beginning of drilling operations until the well is completed or abandoned, is the well continuously under surveillance unless the well is secured with BOP's, bridge plugs, packers, or cement plugs? 30 CFR 250.401(c)	W	1		
D-453	Does the Operator have a Person onsite During Drilling operations that Represent their Interest and can Fulfill their Responsibility? 30 CFR 250.401(b)	S	1		
	<u>APPLICATION FOR PERMIT TO DRILL</u>				
D-460	Does the lessee have written approval to drill a well or before he sidetracks, bypasses, or deepens a Well? 30 CFR 250.410	S	1		
D-461	Does the lessee have written or oral approval to Revise a Drilling Plan, make changes in major drilling equipment, or plug back a well? 30 CFR 250.465(a)(1)	S			0
D-462	If a MODU is Planned to be used, is the MODU available for Inspection by the District Manager before commencing Operations? 30 CFR 250.417(f)	W	0		
D-463	Is the District Manager given at least 24 hours Notice before Starting a Well Test? 30 CFR 250.460(b)	W			0
	<u>BOP SYSTEM MAINTENANCE/INSPECTION/CERTIFICATION</u>				
D-500	After each Well Drilled, did the Operator Clean, Visually Inspect, Perform Preventive Maintenance, and Pressure Test all Equipment before installation on the next well in Accordance with API RP 53 Section 17.10.1 and 18.10.1? 30 CFR 250.446(a)	S			0
D-501	Are all BOP Stacks Choke Manifolds, and Diverter Components Disassembled and Inspected in Accordance with the Equipment Manufacturer's Guidelines after every 3-5 years of Service in Accordance with API RP 53, Section 17.10.3 and 18.10.3? 30 CFR 250.446(a)	W/S			0
D-502	Are Manufacture's Installation, Operation, and Maintenance (IOM) Manuals Available on the Rig for all BOP Equipment Installed on the Rig in Accordance with API RP 53 Section 17.11.1 and 18.11.1? 30 CFR 250.446(a)	S			0
D-503	Is a Planned Maintenance System, with Equipment Identified, Tasks Specified, and the Time Intervals between Tasks stated, Employed on each Rig and are they Maintained on File at the Rig Site or Readily Available for the Applicable BOP Equipment in Accordance with API RP 53, 17.12.1 and 18.12.1? 30 CFR 250.446(a)	S			0
D-504	Does Operator Maintain copies of Equipment Manufactures' Product Alerts or Equipment Bulletins at the Rig Site in Accordance with API RP 53 Sections 17.12.2 and 18.12.2? 30 CFR 250.446(a)	S			0
	<u>SUBSEA BOP SYSTEMS</u>				
D-600	Did the Operator Clearly Label all Control Panels for Subsea BOP Systems? 30 CFR 250.442(h)	W			0
D-601	Did the Operator Develop and Use a Management System for Operating the Subsea BOP System, which includes Procedures for Prevention of Accidental or Unplanned Disconnects of System? 30 CFR 250.442(i)	S			0
D-602	If Operator Activitated Blind Shear Ram or Casing Shear Ram During a Well Control Situation in which pipe or casing was Sheared, did the Operator Retrieve, Physical inspect and conduct a full Pressure Test of the BOP Stack after the situation was controlled? 30 CFR 250.451(i)	S			0
	<u>STUMP TEST</u>				
D-610	Did Operator Test All ROV Intervention Functions on the Subsea BOP Stack during the Stump Test and are Results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-611	Did Operator conduct a Function Test on the Autoshear and Deadman System on their Subsea Stack during the Stump Test and are Test Results made available to BSEE upon request? 30 CFR 250.449(k); 449(k)(2)	S			0
	<u>INITIAL INSTALLATION TEST</u>				
D-612	Did Operator Test at Least one Set of Pipe Rams on the Subsea BOP Stack upon its Initial Installation on the Seafloor and are Test results made available to BSEE upon request? 30 CFR 250.449(j)	S			0
D-613	Did Operator Conduct a Test of the Deadman System on the Subsea BOP Stack during the Initial Test on the Seafloor and are Test Results made available to BSEE upon request? 30 CFR 250.449(k)	S			0
	<u>HYDROGEN SULFIDE</u>				
H-100	Is a copy of the approved H2S Contingency Plan available in the field area, and is that plan being followed? 30 CFR 250.490(f)	W/S			0
H-101	Are at least two safe briefing areas established? 30 CFR 250.490(f)(6)	S			0
H-102	Are all personnel informed of the hazards of H2S and of SO2 resulting from burning H2S, and instructed in the provisions for personnel safety contained in the H2S Contingency Plan? 30 CFR 250.490(g)(4)(i), 250.490(j)(11)(iii)	C			0

INC#		CODE	YES	NO	N/A
H-103	Are all personnel instructed in the use of safety equipment which they may be required to use? 30 CFR 250.490(g)(4)(ii)	C			0
H-104	Are all personnel informed of the location of protective-breathing equipment, H2S detectors and alarms, ventilation equipment, briefing areas, warning systems, evacuation procedures, and the direction of the prevailing winds? 30 CFR 250.490(g)(4)(iii)	C			0
H-105	Are all personnel informed of the restrictions and corrective measures concerning beards, spectacles, and contact lenses in conformance with ANSI Z88.2? 30 CFR 250.198(e), 250.490(g)(4)(iv)	C			0
H-106	Is safety information prominently posted on the facility? 30 CFR 250.490(g)(5)	W			0
H-107	Is safety information prominently posted on vessels serving the facility? 30 CFR 250.490(g)(5)	W			0
H-108	Do all operator and contract personnel receive a training session before beginning work at the facility and again within 1 year after completion of the previous class? 30 CFR 250.490(g)(1)(i, ii)	C			0
H-109	Does each person participate in a drill during normal duty hours at least once every 7-day period? 30 CFR 250.490(h)(1)(i)	W/C			0
H-111	Are records for attendance for training maintained at the facility or does the employee carry a training completion card ? 30 CFR 250.490(g)(2)(i, ii)	W			0
H-113	Is a first-aid kit , of appropriate size and content, readily available for the number of personnel on the facility ? 30 CFR 250.490(k)(3)(i)	W			0
H-114	Are there at least three resuscitators on manned facilities and a number equal to the personnel on board, not to exceed three, on normally unmanned facilities (complete with face masks, oxygen bottles, and spare oxygen bottles) and are these items readily available. 30 CFR 250.490(k)(1)(v)	C			0
H-115	Is there at least one litter or an equivalent device on the facility and readily available for use/ 30 CFR 250.490(k)(3)(ii)	W/C			0
H-117	Is wind-direction equipment installed in locations visible at all times to individuals on or in the immediate vicinity of the facility? 30 CFR 250.490(i)(1)	S			0
H-118	Are operational danger signs displayed at all times on facilities with wells capable of producing H2S gas in concentrations of 20 ppm or more ? 30 CFR 250.490(i)(2)(i)	W/S			0
H-120	Does the facility have an H2S-detection and H2S-monitoring system which is capable of sensing a minimum of 10 ppm H2S and which activates audible and visual alarms when the atmospheric concentration reaches 20 ppm and are these sensing devices located at the bell nipple, mud return line receiver tank (possum belly), pipe trip tank, shale shaker, well-control fluid pit area, driller's station, living quarters, and other areas where H2S might accumulate ? 30 CFR 250.490(j)(1)(i), 250.490(j)(2)(i-viii)	S			0
H-121	Are sensors located in rooms, buildings, deck areas, or low-laying deck areas not otherwise covered by 30 CFR 250.490(j)? 30 CFR 250.490(j)(5)(i)	S			0
H-122	Is at least one sensor installed per 400 square feet of deck area or fractional part thereof (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(i)	S			0
H-123	Is a sensor located in buildings where personnel have their living quarters? 30 CFR 250.490(j)(5)(ii)	S			0
H-124	Is one sensor located within 10 feet of each vessel, compressor, wellhead, manifold, or pump (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iii)	C			0
H-125	If one sensor is used to cover multiple pieces of equipment, is each piece of equipment no more than 10 feet from the sensor (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(5)(iv)	C			0
H-126	Is the H2S-detection system recalibrated if functional tests are not within 2 ppm or 10 percent, whichever is greater, of the applied concentrations (or as otherwise approved by the District Manager)? 30 CFR 250.490(j)(6)(ii)	C			0
H-127	Are portable H2S-detectors capable of detecting 10 ppm concentrations of H2S gas in air and available for use by all personnel ? 30 CFR 250.490(k)(1)(i)	W			0
H-128	Are pressure-demand type respirators with hoseline capability and breathing time of at least 15 minutes immediately available and easily accessible to all personnel on the facility in conformance with ANSI Z88.2 ? 30 CFR 250.490(j)(13)(i, ii, v)	S			0
H-129	Are at least two voice transmission devices, which can be used while wearing a respirator , available for use by designated personnel? 30 CFR 250.490(j)(13)(iii)	W			0
H-131	Is each breathing-air bottle labeled as containing breathing-quality air for human use ? 30 CFR 250.490(j)(13)(iv)	C/S			0
H-132	Do vessels attendant to facilities carry appropriate protective-breathing equipment for each crew member ? 30 CFR 250.490(j)(13)(vii)	C			0
H-133	For authorized flights during H2S alerts, are helicopter flights to and from the facility limited to the conditions specified in the H2S Contingency Plan ? 30 CFR 250.490(j)(13)(viii)	C			0

INC#		CODE	YES	NO	N/A
H-134	During authorized H2S alert flights, do the flight crew and passengers use pressure-demand type respirators? 30 CFR 250.490(j)(13)(viii)	C			0
H-135	Are all members of the flight crew trained in the use of the particular type(s) of respirator equipment made available during H2S alert flights? 30 CFR 250.490(j)(13)(viii)	C			0
H-136	As appropriate to the particular operation(s), (production, drilling, well-completion/workover, or any combination thereof), is a system of breathing-air manifolds, hoses, and masks provided on the facility and in the briefing areas? 30 CFR 250.490(j)(13)(ix)	S			0
H-137	Is a cascade air-bottle system provided for the breathing-air manifolds and to refill individual protective-breathing apparatus bottles? 30 CFR 250.490(j)(13)(ix)	S			0
H-138	If the cascade air-bottle system is recharged by a high-pressure compressor suitable for providing breathing-quality air, is the compressor suction located in an uncontaminated atmosphere? 30 CFR 250.490(j)(13)(ix)	S			0
H-140	Are retrieval ropes with safety harnesses available to retrieve incapacitated personnel from contaminated areas? 30 CFR 250.490(k)(1)(ii)	W			0
H-141	Are chalkboards and/or note pads available for communication purposes located on the rig floor, shale-shaker area, the cement-pump rooms, well-bay areas, production processing equipment area, gas compressor area, and pipeline-pump area? 30 CFR 250.490(k)(1)(iii)	W			0
H-142	Are bull horns and flashing lights available? 30 CFR 250.490(k)(1)(iv)	S			0
H-143	Are audible alarms and display flags or flashing red lights available for use on facilities when atmospheric concentrations of H2S reach 20 ppm and are signs and flags capable of being illuminated at night and under conditions of poor visibility? 30 CFR 250.490(i)(2)(ii), 250.490(i)(5), 250.490(i)(7)(i)	S			0
H-144	Are all ventilation devices explosion-proof and situated in areas where H2S or SO2 may accumulate? 30 CFR 250.490(k)(2)(i, ii)	C/S			0
H-145	Are movable, multidirectional ventilation devices capable of dispersing H2S or SO2 vapors away from working personnel provided in work areas? 30 CFR 250.490(k)(2)(iii)	C			0
H-146	If water-based, well-control fluids are used, and if H2S is detected by air sensors, has the Garret-Gas-Train test or comparable test techniques for soluble sulfides been conducted? 30 CFR 250.490(m)(2)	W			0
H-147	Are sufficient quantities of additives (scavengers, pH, and corrosion control) maintained on the facility? 30 CFR 250.490(m)(4)(i-iii)	S			0
H-148	When H2S is detected, is drilling suspended until scavenger is circulated throughout the system? 30 CFR 250.490(m)(4)(i)	S			0
H-149	Is the pH of water-based well-control fluids maintained at a minimum of 10.0? 30 CFR 250.490(m)(4)(ii)	S			0
H-150	Are well-control fluids containing H2S degassed at the optimum location for the particular facility and are the gasses removed burned in a closed flare system? 30 CFR 250.490(m)(5)	S			0
H-151	Is a safety meeting conducted for all personnel who will be on the facility prior to well testing? 30 CFR 250.490(o)(1)	C			0
H-157	Is gas containing H2S not used for instrument gas , and if H2S is being used as fuel gas, does the operator have approval from the District Manager? 30 CFR 250.490(q)(9)	S			0
H-159	Are H2S levels continuously monitored in the work areas during drilling, well-completion, and well-workover operations? 30 CFR 250.490(j)(4)(i-v)	W/S			0
H-160	When conducting coring operations, is protective breathing equipment worn by all personnel in the work area at least 10 stands in advance of retrieving the core barrel? 30 CFR 250.490(q)(1)	W/S			0
H-161	Are all cores to be transported sealed and marked for the presence of H2S? 30 CFR 250.490(q)(1)	W/S			0
H-162	Is well-control fluid in use for logging operations conditioned and treated to minimize the effects of H2S on the logging equipment? 30 CFR 250.490(q)(2)	W/S			0
H-163	During stripping operations, are displaced well-control fluid returns monitored by personnel? 30 CFR 250.490(q)(3)	W/S			0
H-164	During stripping operations, is protective breathing equipment worn by personnel in the work area when the atmospheric concentration of H2S reaches or exceeds 20 ppm or if the well is under pressure? 30 CFR 250.490(q)(3)	W/S			0
H-165	Is protective breathing equipment worn by personnel in the work area during bottoms-up when circulating out a kick and during extended kill operations? 30 CFR 250.490(q)(4)	W/S			0
H-167	Are lubricators which may be exposed to fluids containing H2S made of H2S resistant materials? 30 CFR 250.490(q)(8)	W/S			0

INC#		CODE	YES	NO	N/A
H-168	Are metals used for sensing lines and safety-control devices which are exposed to H2S bearing fluids constructed of H2S corrosion resistant materials so as to resist corrosion? 30 CFR 250.490(q)(10)	W/S			0
H-169	Are all seals which may be exposed to fluids containing H2S made of H2S-resistant material? 30 CFR 250.490(q)(11)	W/S			0
H-170	Do trained employees or contractors transferred from another facility receive a supplemental briefing on H2S equipment and procedures before beginning duty? 30 CFR 250.490(g)(3)(i)	W			0
H-171	Do visitors who remain at the facility for more than 24 hours receive the training required for employees and contractors? 30 CFR 250.490(g)(3)(ii)	W			0
H-172	Do visitors who will depart the facility within 24 hours receive a briefing on H2S procedures? 30 CFR 250.490(g)(3)(iii)	W			0
H-173	Are records of attendance in drills for drilling, well completion, and well workover operations maintained at the facility until operations are completed? 30 CFR 250.490(h)(2)(i)	W			0
H-175	Are portable or strategically placed fixed SO2 devices capable of detecting a minimum of 2 ppm of SO2 available or in use at the facility? 30 CFR 250.490(j)(11)(i)	W/S			0
H-176	Are portable or fixed SO2 electronic sensing devices calibrated every 3 months ? 30 CFR 250.490(j)(11)(iv)	W/S			0
H-177	Are spectacle kits available for respirators as needed? 30 CFR 250.490(j)(13)(iv)	W			0
H-178	Are compressors exceeding 50 HP covered by at least two H2S sensors located within 10 feet of the compressor ? 30 CFR 250.490(j)(5)(iv)	C			0
H-179	When drilling , are functional tests of H2S detectors initiated before the bit is 1,500 feet (vertically) above the potential H2S zone ? 30 CFR 250.490(j)(7)(i)	W			0
H-181	In areas classified as H2S Present , are all H2S detectors tested once every 24 hours when conducting drilling operations, drill stem testing, well testing, well completion operations, or workover operations ? 30 CFR 250.490(j)(7)(i)	W/S			0

LEGEND: W - Warning
C - Component / Well Shut In
S - Structure / Facility Shut In

TYPE WELL: EX-Exploratory
DV-Development

YES - Enter a check mark under the yes column for each PINC that way physically tested by the operator and or verified during the inspection by the inspector. This would also include the review of paperwork documentation.

NO – Enter a check mark under the No column for each PINC that was tested by the operator and or verified during the inspection by the inspector and failed or way not in compliance with Federal Regulations. If the NO column is checked an INC shall be issued.

NA – Enter a check mark under the NA column for each PINC that could not be checked or verified by the inspector due to drilling operation or well conditions at the time of the inspection.

All PINCS Hi lighted in **YELLOW** shall be tested for operation and or witnessed by the inspector during the drilling inspection. **Test only when conditions warrant. Please document in the remarks section the reason/condition why these PINCS were not tested during the inspection.**

BOP Schematic Latest Updated Date on RIG

Copy: _____

Accumulator System Items To Be Inspected:

ITEMS	SET (psi)	VERIFIED (psi)
Air pump kick-on pressure=		
Air pump kick-off pressure=		
Triplex pump kick-on pressure=		
Triplex pump kick-off pressure=		
Low accumulator pressure alarm=		
Low reservoir alarm=		

Gas Detection Locations

Gas Detection Location	Date Last Calibrated	Date Tested Witnessed	Alarms
Rig Floor			
Shale Shaker area			
Mud Pit Room			
Other locations			

SUBSEA Accumulator Precharge PSI Compensate for water depth _____ psi

BOP Component and Manufacturer	Size	Rating	Required Closing Time Actual (seconds)	Documented Closing Times Actual (seconds)
ANNULAR			60	
PIPE RAM			45	
PIPE RAM			45	
PIPE RAM			45	
SHEAR RAM FUNCTION			45	
CHOKE VALVE			<45	
KILL VALVE			<45	
LMRP			45	

Note: Operating response time for choke and kill valves (either open or close) should not exceed the minimum observed ran BOP response time

Remarks:
