
Accidents Associated with Oil and Gas Operations

Outer Continental Shelf 1991-1994

Authors:

Data gathered by
District personnel
Database managed by
Region personnel
Publication compiled by
Ulysses Cotton

Contents

Abbreviations, iii

Introduction, 1

Gulf of Mexico OCS Region

- Blowouts, 4
- Explosions or Fires, 9
- Pipeline Breaks or Leaks, 40
- Significant Pollution Incidents
(50 barrels or more), 52
- Injuries and Fatalities, 54

Pacific OCS Region

- Explosions or Fires, 80
- Significant Pollution Incidents
(50 barrels or more), 90
- Injuries and Fatalities, 91

Abbreviations

AC	-alternating current
AUX	-auxiliary
bbbl	-barrel(s)
BOP	-blowout preventer
BPV	-back pressure valve
CaCl ₂	-calcium chloride
CLH	-class H
CO ₂	-carbon dioxide
CPR	-cardiopulmonary resuscitation
d	-day(s)
DC	-direct current
EIPS	-Eugene Island Pipe Line System
ESD	-emergency shut down
ft	-foot (feet)
ft ³	-cubic feet
gal	-gallon
h	-hour
HRC	-hydraulic remote control
H ₂ S	-hydrogen sulfide
in	-inch(es)
K	-knots
LACT	-lease automatic custody transfer
lb	-pound(s)
LP	-low pressure
LSH	-level safety high
LSL	-level safety low
MD	-measured depth
min	-minute
MV	-motor vessel
M/V	-mobile vessel
NA	-not applicable <i>or</i> not available <i>as appropriate</i>
OCS	-Outer Continental Shelf
ppg	-pounds per gallon
ppm	-parts per million
psi	-pounds per square inch
psig	-pounds per square inch gauge
PSH	-Pressure Safety high
PSV	-pressure safety valve
PVC	-polyvinyl chloride

ROW	-right of way
RTU	-remote terminal unit
s	-second(s)
SAT	-satellite
SCR	-silicon controlled rectifier
SM	South Marsh Island
SOB	-Sohio, Odeco, Burma
SP	-South Pass
SRU	-sulphur recovery unit
SS	-Ship Shoal
TD	-total depth
TSE	-temperature safety element (fusible material)
TSH	-temperature safety high
TVD	-true vertical depth
USCG	-U.S. Coast Guard
VR	-Vermilion

Introduction

This report updates the previously published **Accidents Associated with Oil and Gas Operations Outer Continental Shelf, 1956—1990**, OCS Report MMS 92-0058 This report includes accidents that occurred in the time period 1991-1994 The accidents are classified by region and type.

The data source for this publication is the Agency's accident computer database (OPAC) The OPAC database is populated from reports prepared **by** the investigators at the time of the accidents.

This report is prepared as a part of the Minerals Management Services effort to make data available to those having a need for such data. The user is reminded mat accidents often occur multidimensional and always multiple causes. For this reason some accident information appears in more than one category within the report. Below are guidelines used in making these classifications:

Blowouts- An uncontrollable flow of fluids from a wellhead or wellbore is classified as a blowout.

Explosions and Fires-- This category includes all explosions and fires directly related to drilling, producing, storing, or transporting oil or gas on or from Outer Continental Shelf leases All explosions and fires are recorded

Pipeline Breaks or Leaks—This category includes all reported pipeline breaks or leaks

Significant Pollution Incidents- - All spills in the amount of 50 barrels (2100 gallons) or more are included

Injuries and Fatalities- All Fatalities or serious personal injuries that cause permanent impairment of any body unit or function are classified as major accidents. This report includes major and minor injuries

Gulf of Mexico Region

BLOWOUTS

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Well Type Equipment Involved Activity at Accident Type Spill	Fatalities Injuries Spills (bbl)
Brazos Block 0577 G 12468 Structure No 1 King Ranch Oil and Gas Inc	91-05-08 Jackup Clear, Wind 5/SE	Blowout 116 Influx of Fluid into Wellbore	Drilling Exploratory Exploratory Drilling	0 0 0.0

Remarks:

After the crew nipped up the BOP stack to continue drilling after cementing the 10 3/4—inch surface casing, gas began channeling through the lead cement in the 10 3/4-inch by 16-inch annulus as the cement developed its compressive strength. The gas apparently continued to develop wide, productive channels in the cement sheath.

Main Pass Block 01299 G09372 Structure BW Freeport McMoran Resource Ptrn	91-06-04 Platform Rig Good	Blowout 210	Drilling Development Pulling out of hole	0 0 0.0
--	----------------------------------	----------------	--	---------------

Remarks:

Freeport-Sulphur reported that the 24-inch drive pipe was set to 150 feet below mud line. The well was drilled to 1000 feet with 12 1/4-inch bit, taking returns through a 6-inch manual valve at the +20-foot level due to lost circulation problems. At 6:10 am., while pulling out of the hole at +858 feet, the well came in. The annular preventer was closed around the 4 1/2-inch drill pipe and the diverter system lines (12-inch) were both opened. The upwind line valve was closed, and the pumping of seawater down the drill pipe began. The valve at the +20-foot level was open. The pipe rams were closed. At 7:15 am., the two mud pumps continued to pump seawater down the drill pipe as the platform was abandoned via escape capsules. From 11 am to 3 p.m., the well bridged over and flowed intermittently. At 3:30 pm, the crew returned to the platform. Subsequently, cement was pumped into the open hole (with no returns) and a packer was set in the drive pipe to secure the well.

BLOWOUTS

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Well Type Equipment Involved Activity at Accident Type Spill	Fatalities Injuries Spills (bbl)
Green Canyon Block 0006 G06987 Structure A Texaco Exp and Prod	91-08-25 Steel Tower Partly Cloudy	Blowout 622 Shallow Gas	Drilling Development Circulating/Tripping	0 0 0.0

Remarks:

While the crew was attempting to sidetrack Well A-1, a window was milled in the 16-inch conductor and cement was set. The 13 3/8-inch shoe was tested to equivalent mud weight. The crew began pulling the first pipe stand out of the hole at 1.30 pm on August 25, 1991. At 2:30 pm, the annulus started bubbling and mud rolled over the drill floor. The annular preventer was closed, production was shut in, and all nonessential personnel were evacuated to standby boat. Well flow was diverted while pumping continued w 10.5 ppg mud at 16 bbl per minute. The well was monitored from 10:00 p.m. on August 25, 1991 to 8 :00 am on August 26, 1991. A noise and temperature log as run with no indication of underground flow. The annulus was open at 3:00 pm with no flow Attempts to pull the pipe failed. The pipe was stuck at 1512 feet, 30 feet inside the 13 3/8-inch shoe. Texaco decided to abandon the well at this time A possible cause was time balling of the bit or stabilizers with mud, which pulled formations fluids into the well. After the crew went back into the hole and circulated it, the bubble expanded reducing hydrostatic head and causing more fluids to enter the well.

Vermilion Block 0191 G01134 Structure Taylor Energy Co	91-10-28	Blowout 96	Drilling Soil Boring	0 0 0.0
--	----------	---------------	-----------------------------	---------------

Remarks:

Taylor Energy Company reported a minor blowout on October 28, 1991 The rig was jacked up on location to take soil boring utilizing a 2-inch-diameter coil barrel. The rig took soil boring to a depth of 252-feet below mud line. After pulling one joint of drill pipe out of hole, gas bubbles increased, blowing water 5 to 15 feet high. The rig was shut down amid all personnel evacuated by boat from the rig. The flow stopped when the gas zone was depleted.

BLOWOUTS

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Well Type Equipment Involved Activity at Accident Type Spill	Fatalities Injuries Spills (bbl)
East Cameron Block 0167 G09451 Structure Zilkha Energy Co.	91-11-11 Jackup	Blowout 80 Insufficient Density of Drilling Fluid	Drilling Exploratory Drilling	0 0 0.8

Remarks:

As the objective sand was drilled into, the well started to flow. The well was shut in immediately resulting in pressure on the drill pipe and casing. Pressure suddenly dropped and then reappeared across all the casing strings indicating communication. After approximately 24 hours, gas broached around the drive pipe, resulting in the evacuation of nonessential personnel. Casing strings split upon shutting in the well, allowing the release of hydrocarbons and saltwater. The well then bridged over.

Ewing Bank Block 0947 G05803 Structure A Delmar Operating Inc.	91-11-13 Steel Tower Clear	Blowout 477 Inadequate Mud Supply	Drilling Development Running Casing	0 0 0.0
--	----------------------------------	---	---	---------------

Remarks:

Spudded Well A-9 on November 12, 1991. Drilled a 26-inch hole to 1722 feet with seawater. Spotted a 10 ppg mud before pulling out of the hole to run casing. On November 23, 1991, began running casing. Ran 8 joints of 20-inch 133 lb/fl. X-56 casing to 322 feet when the well began to flow at the +10 level. (There were two valves at 10 feet above the water line to take returns while drilling the conductor hole to prevent losing returns.) The well was flowing a full stream of mud through both valves at the +10 level. Closed both valves and the fluid level started rising in the 30-inch casing. Open the diverter and closed the annular preventer. Well began diverting mud. Pumped 123 barrels (bbl) of 15.2 ppg mud and 51 bbl of 10 ppg mud. The *flow* lasted for 10 minutes. The well temporarily lost returns, then the fluid level stabilized between 7 and 10 feet below the annular preventer. Observed the well for 3 hours. The well was stable. Pulled the 20-inch casing out of the hole. Ran in the hole to bottom with a 26-inch bit and washed and reamed through many bridges. Circulated and filled the hole with 10.5 ppg mud and pulled out of the hole. Ran 20-inch casing and cemented with no problems.

BLOWOUTS

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Well Type Equipment Involved Activity at Accident Type Spill	Fatalities Injuries Spills (bbl)
South Pass Block 0060 G01608 Structure Atlantic Richfield Co	92-12 -26 Jackup	Blowout 15 Insufficient Density of Drilling Fluid	Drilling Exploratory Well	0 0 100.0

Remarks:

While the crew was preparing to go back into hole with a core barrel gun assembly, the well percolated gas with the fluid level dropping, reducing the hydrostatic pressure on the formation. The well began flowing natural gas, condensate, and water. Approximately 100 bbl of condensate flowed into the Gulf of Mexico before the diverter could be closed.

Main Pass Block 0299 G09372 Structure No. 21 Freeport McMoran Resource Ptrr	93-01-19 Semi submersible	Blowout 210	Drilling Exploratory	0 0 0.0
---	------------------------------	----------------	-------------------------	---------------

Remarks:

A blowout occurred while the crew was drilling Well No. 21, a relief well for Well No. 11, in Main Pass Block 299. The floating drilling rig Ocean Voyage was being used by Freeport McMoran. After the crew drilled through the U-sand at a depth of 619 feet, a gas boil was observed. The rig was moved oil location while a portable Hydrogen Sulfide detector recorded a reading of 4 ppm hydrogen sulfide. Also, 8% combustible gas was recorded. The boil, the radial extent of which was approximately 300 feet had ceased on January 22, 1993. On January 25, 1993, divers determined the pipe had sheared 25 feet below mud line. The well had bridged over.

BLOWOUTS

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Well Type Equipment Involved Activity at Accident Type Spill	Fatalities Injuries Spills (bbl)
Main Pass	93-02-25	Blowout	Drilling	0
Block 0299	Jackup	209	Development	0
G12362		Influx of Fluid into Wellbore		0.0
Structure A -12			Drilling	
Freeport-McMoran Inc.				

Remarks:

A hydrogen sulfide blowout occurred while the Charles Rowan No. 36 was drilling Well A-12. The well began unloading cement, gas, saltwater, and mud through the 16-inch by 24-inch annulus 7 hours after the 16-inch casing had been cemented and after the BOP stack had been removed. A hydrogen sulfide reading of 99 ppm csas recorded All nonessential personnel were evacuated and masks were donned. The blowout started at 5:30 p.m. and stopped when the well bridged over.

EXPLOSIONS AND FIRES

Area Block Lease No. Segment No./Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Source Fuel Type	Fatalities Injuries Spills (bbl)
Green Canyon Block 0065 G05900 Structure A Shell Offshore Inc	91-01-28 Steel Tower	Fire 101 Miscellaneous Equipment Failure	Production Generator Fibrous Materials Sparks from Exciter Air Filter	0 0 0.0

Remarks:

Hearing failure on the exciter for the No. 3 generator caused the exciter to overheat and sparks were emitted. Sparks from the exciter ignited the air filters which were constructed of a fibrous material. The fire was extinguished with carbon dioxide and dry chemicals, but the air filter kept igniting. After all electrical power was disconnected water was sprayed in the air filters and prevented any further ignition. The exciter, air filter housing, and air blower were replaced.

Eugene Island Block 0199 00437 Structure A Delmar Operating Inc.	91-02-06 Steel Tower	Fire 101	Production Pump & Compressor Pipeline Pump Engine Exhaust Crude	0 1 0.0
--	-------------------------	-------------	---	---------------

Remarks:

The pipeline pump was pumping oil into Shell Offshore Inc's pipeline. A gasket on the bottom flange of the pump (PSV) ruptured and started spraying oil. The oil contacted an exposed portion of the prime mover exhaust and ignited. The fire lasted about 10 minutes and was extinguished with dry chemical and fire water. One employee received flash burns to his forehead, but the incident did not result in a lost time accident.

EXPLOSIONS AND FIRES

Area Block Lease No. Segment No./Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Source Fuel Type	Fatalities Injuries Spills (bbl)
Eugene Island Block 0099 00795 Structure 13 Total Minatome Corp	91-03-23 Steel Tower	Explosion 25 Tank Ruptured	Production Fuel Filler NA Overpressure NA	0 1 0.0

Remarks:

An explosion occurred when the bottom of a fuel filter pot blew out causing serious injuries to one employee. Someone used a gas supply line (jumper) and mistakenly introduced 1100 psi of gas into the fuel filter pot. This caused the vessel to overpressure and it exploded

Eugene Island Block 0053 00479 Structure A Pennzoil Exp and Prod	91-03-28 Steel Tower	Fire 20 Fire	Abandonment Skimmer Skimmer Welding Torch Oil	0 0 0.0
--	-------------------------	--------------------	---	---------------

Remarks:

Operations were being conducted to abandon the platform, when piping on the skimmer was cut with a welding torch. The hot slag ignited the oil in the skimmer. The fire was extinguished with water and dry chemicals.

EXPLOSIONS AND FIRES

Area Block Lease No. Segment No./Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Source Fuel Type	Fatalities Injuries Spills (bbl)
High Island Block 0376 G02754 Structure A Anadarko Petro Corp.	91-05-01 Steel Tower Partly Cloudy	Fire 328 Fire	Production Skim Pile Skim Pile Gouging & Welding Gas	0 6 0.0

Remarks:

It appeared ,that gouging on the cellar deck grating caused a spark which ignited a combustible mixture in the oil section of the skim pile. Si contractor personnel suffered first- and second-degree burns, and one operator employee tore the cartilage in his left knee. Five of the injuries were serious.

High Island Block 0264 G09140 Structure High Island Offshore System	91-05-05 Steel Tower	Fire Poor Equipment Design or Placement	Pipeline Operation Turbine Compressor Vent Points Engine Surface Lub Oil	0 0 0.0
---	-------------------------	---	--	---------------

Remarks:

Small fires ignited in the vicinity of the vent points on the turbine/compressor unit lubricating system. On compressor shutdown, the vent valve for the compressor casing did not open because the control system did not function as intended. As a consequence, the gas trapped in the compressor casing forced small volumes of lubricating oil out at the vent points on the lubricating system, which, upon contact with hot surfaces on the unit, ignited.

EXPLOSIONS AND FIRES

Area Block Lease No. Segment No./Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Source Fuel Type	Fatalities Injuries Spills (bbl)
Ship Shoal Block 0207 G01523 Structure D Placid Oil Co Gas	91-06-03 Steel Tower Clear	Fire 100	Production Safety Panel Safety Panel Hot Slag	0 0 0.0

Remarks:

A flash fire occurred while old braces were cut from the platform. Hot slag from the cutting torch fell onto the tarpaulin which was covering Wells D—5, D—7, and the safety panel. The hot slag burned through the tarpaulin and gas from the safety panel ignited. The fire lasted about 10 seconds and was extinguished with a 30-pound dry chemical unit.

Mustang Island Block 0757 G03019 Structure B Atlantic Richfield Co.	91-06-19 Steel Tower	Fire 144 Poor Equipment Design or Placement	Production Generator Generator Vent Exhaust Condensate	0 0 0.0
---	-------------------------	--	--	---------------

Remarks:

The unmanned platform was automatically shut down due to a level safety high (LSH) on the fuel gas filter. When the operator personnel arrived to restart the platform, the generator was still running, but it was lugging down. When the No. 1 generator was shut down, the No. 2 generator attempted to start. The increased flow through the fuel gas line caused a slug of fluid through the starter, to the vent. The vent was piped to the outside of the building. The gas/condensate was ignited from the hot exhaust of the No. 1 generator that had just been shut down. The fire was immediately extinguished by the operator. Remedial action was to change the logic in order that the generators will not automatically start after a LSH or PSH of the fuel gas system. The vent was rerouted to the vent scrubber.

EXPLOSIONS AND FIRES

Area Block Lease No. Segment No./Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Source Fuel Type	Fatalities Injuries Spills (bbl)
Eugene Island Block 0129 00054 Structure CF Mobil Oil Exp & Production	91-07-03 Steel Tower Clear	Fire 52 Employee Negligence	Production Culling Torch Sump Pump PVC Pipe Cutting Torch Oil	0 1 0.0

Remarks:

A flash fire occurred during routine removal of corroded platform piping. A contract welder was culling corroded pipe. As he was cutting, the heat caused a portion of the adjacent PVC pipe to melt. The oil inside the PVC piping ignited and sprayed onto the welder. He received minor burns.

West Cameron Block 0543 G02010 Structure A Kerr-McGee Corp.	91-07-26 Steel Tower	Fire 185 Employee Negligence	Production Torch & Piping Piping Cutting Torch Oil	0 0 0.0
---	-------------------------	------------------------------------	--	---------------

Remarks:

A small flash fire occurred when employees were in the process of removing equipment from the platform. While cutting the welds which were holding a production skid to the deck, a welder inadvertently cut through a 2-inch line containing hydrocarbons and water. The fire watch quickly extinguished the fire.

EXPLOSIONS AND FIRES

Area Block Lease No. Segment No./Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Source Fuel Type	Fatalities Injuries Spills (bbl)
Eugene Island Block0063 00425 Structure A Hunt Oil Co	91-07-29 Steel Tower	Fire 25	Production Stock Tank Stock Tank Lightning Oil	0 0 10.0

Remarks:

When Lightening struck a 2,000 oil stock tank and caught fire. About 10 barrels of oil were spilled into the water. The fire was extinguished with hand held extinguishers.

West Cameron Block 0557 G05347 Structure c CNG Producing Co	91-09-02 Steel Tower	Fire 200	Drilling Transformer Transformer Transformer Unknown	0 0 0.0
---	-------------------------	-------------	--	---------------

Remarks:

The 350 Kilovolt-ampere transformer, located in the motor room of the Rown Paris rig, caught fire. The fire was extinguished within 4 minutes.

EXPLOSIONS AND FIRES

Area Block Lease No. Segment No./Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Source Fuel Type	Fatalities Injuries Spills (bbl)
High Island Block0020 G06178 Structure A Atlantic Richfield Co.	94-10-03 Steel Tower	Fire 56	Production Compressor Gasket & Bolts Ignition System Gas	0 0 0.0

Remarks:

The platform was automatically shut in by the Fire-detection system, and the fire burned out in about 2 minutes due to lack of fuel. Two bolts were found missing from the fuel-gas manifold on the No. 7 cylinder on the compressor engine. The source of the fire was the spark plug firing system.

Matagorda Island Block 0701 G03733 Structure A Atlantic Richfield Co.	91-10-04 Steel Tower	Fire 128 Glycol Reboiler Failed	Production Reboiler Reboiler Exhaust Stack Glycol	0 0 0.0
---	-------------------------	---------------------------------------	---	---------------

Remarks:

The insulation on the exhaust stack of the glycol reboiler was saturated with rich glycol due to a leak in the reflux coil. Heat from the exhaust ignited the saturated insulation, and the platform was automatically shut in by the fire-detection system. The ARCO personnel put the fire out with a 30-pound extinguisher.

EXPLOSIONS AND FIRES

Area Block Lease No. Segment No./Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Source Fuel Type	Fatalities Injuries Spills (bbl)
Eugene Island Block 0208 00577 Structure J Conoco Inc.	91-10-26 Steel Tower Rain SE 20 mph	Fire 94 Fire	Production Storage Tanks Horizontal Treater Cutting Torch Gas & Condensate	0 1 3.1

Remarks:

A welder was repairing 2-inch from the storage tank to the horizontal treater. A 2-inch tee in the line developed a leak due to leaking gasket material used to blind flange the subject line, resulting in a fire, damage, and injury.

Green Canyon Block 0050 G007989 Structure Texaco Inc.	91-11-22 Platform Rig	Fire 622	Drilling Compressor Oil Reservoir Hot Oil Paint & Oil	0 0 0.0
---	--------------------------	-------------	---	---------------

Remarks:

The thermostat on the air compressor failed, causing oil in the oil tank to overheat. The oil cooler did not cool the oil effectively, and the oil tank became red hot, catching the paint on fire.

EXPLOSIONS AND FIRES

Area Block Lease No. Segment No./Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Source Fuel Type	Fatalities Injuries Spills (bbl)
High Island Block 0497 G0621 I Structure A Koch Exp Co	91-12-06 Steel Tower	Fire 219	Production Compressor Compressor Fitting Gas	0 0 0.0

Remarks:

A nipple on the level-safety high on the compressor suction scrubber pulled out of its thread-o-let releasing gas, which then ignited. The safety system shut in the platform and the fire was extinguished with water and two hand held dry chemical extinguishers.

High Island Block 0511 G02694 Structure A Oryx Energy Co.	92-02-18 Steel Tower	Fire 193 Mud Pumps Inoperative	Production Generator Generator Exhaust Diesel	0 0 0.0
---	-------------------------	--------------------------------------	---	---------------

Remarks:

The operator started a diesel generator and was walking away when he smelled smoke and observed smoke coming from the generator building. He went back into the building and saw flames and smoke coming from the generator. He turned the diesel generator off and put out the fire with one 30-pound extinguisher. Only the generator was damaged by the fire.

EXPLOSIONS AND FIRES

Area Block Lease No. Segment No./Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Source Fuel Type	Fatalities Injuries Spills (bbl)
High Island Block 0283 G02404 Structure A Mobil Producing Texas & New Mexico	92-02-28 Steel Tower	Fire 168 Mud Pumps Inoperative	Production Glycol Reboiler Glycol Reboiler Reboiler Fire Glycol	0 0 0.0

Remarks:

The insulation on the glycol reboiler caught fire and was extinguished. There was no major damage and repairs were estimated at less than \$50,000.

High Island Block 0179 G03236 Structure A Shell Offshore Inc.	92-06-04 Steel Tower	Fire 54	Production Compressor Compressor Engine Exhaust Lube Oil	0 0 0.0
---	-------------------------	------------	--	---------------

Remarks:

A 1/8-inch by 4-inch nipple parted on the lube oil filter line to the differential gauge due to compressor vibration. Oil was discharged within the compressor building, causing a fire on the insulation around a flange on the engine exhaust that was quickly extinguished with carbon dioxide. Other equipment was cooled with freshwater. No injuries, pollution, or damage occurred. The nipple was replaced with a stainless-steel reducer to withstand vibration.

EXPLOSIONS AND FIRES

Area Block Lease No. Segment No./Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Source Fuel Type	Fatalities Injuries Spills (bbl)
Ship Shoal Block 0176 0058989 Structure Walter O & G Corp	92-06-22 Jackup	Fire 87 Employee Error	Workover Line Heater PSV on Separator Line Heater Gas	0 1 0.0

Remarks:

An employee failed to open the block valve on the gas outlet on the separator, causing the PSV to open and discharge gas. Gas ignited briefly at the time heater due to a missing plug on the firebox. The block valve was used to furnish separator gas to the line heater. The well was periodically opened and shut-in to clean the production choke of perforating debris. Well testing was also stopped and resumed during these operations.

Ship Shoal Block 0219 00829 Structure A Amoco Production Co Fuel	92-09-09 Steel Tower	Fire 110 Disregarded Standard Operating Procedure	Production Glycol Reboiler Glycol Reboiler Glycol Pumps Gas	0 0 0.0
--	-------------------------	--	---	---------------

Remarks:

A platform operator was in the process of switching glycol pumps when escaping gas contacted the glycol reboiler and ignited. The fire was extinguished with a 250-pound dry-chemical reel unit. There were no injuries as a result of the fire and only minor damage to the insulation on the glycol reboiler.

EXPLOSIONS AND FIRES

Area Block Lease No. Segment No./Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Source Fuel Type	Fatalities Injuries Spills (bbl)
Matagorda Island Block 0555 G03079 Structure C Enron O & G Co.	92-10-27 Steel Tower	Fire 75 Fire	Production Glycol Reboiler Glycol Reboiler Glycol	0 0 0.0

Remarks:

A flash fire occurred on the glycol reboiler and was quickly extinguished. The flash fire caused no damage or injury to personnel.

West Cameron Block 0556 G05346 Structure A Amerada Hess Corp	92-11-17 Steel Tower	Fire 177 Fire	Production Company Radio Electrical Company Radio	0 0 0.0
--	-------------------------	---------------------	--	---------------

Remarks:

A 12-volt crane radio shorted resulting in the electronic components emitting smoke and a very small fire. The crane operator immediately disconnected the supply wires and used a fire extinguisher to smother the fire.

EXPLOSIONS AND FIRES

Area Block Lease No. Segment No./Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Source Fuel Type	Fatalities Injuries Spills (bbl)
High Island Block 0120 G09100 Structure A Santa Fe International Corp	92-11-29 Steel Tower	Fire 49 Relief Valve on Scrubber Failed	Production Departing Pipeline Underwater Pipe Underwater Flare Natural Gas	0 2 0.0

Remarks:

Two recreational fishermen received second and third degree burns to their hands and faces when natural gas was released to an underwater flare. A pressure buildup in the departing pipeline caused the PSV on the production separator, to relieve the excess pressure to the underwater flare where the fishermen's boat was located. A flash fire lasted about 15 seconds before the platform operator could divert the flow from the PSV away from the underwater flare .

Main Pass Block 0311 G02213 Structure A Conoco Inc.	92-12-22 Steel Tower	Fire 250 Poor Equipment Design or Placement	Production Gas Compressor Control Line Engine Heat Natural Gas	0 0 0.0
---	-------------------------	--	--	---------------

Remarks:

Fire occurred due to a leaking 3/8-inch control line from a PSV. The control line broke due to vibration from a gas compressor. The line started spraying natural gas onto the engine and was ignited causing a fire. The fire was quickly extinguished using six 30-pound chemical fire extinguishers.

EXPLOSIONS AND FIRES

Area Block Lease No. Segment No./Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Source Fuel Type	Fatalities Injuries Spills (bbl)
West Delta 92-12-31 Block 0045 Steel Tower 00138 Wind 5 mph Structure Conoco Inc	Fire 49 Distinguished Standard Operating Procedure	Production No.1 Gas Compressor No. 2 Cylinder Exhaust Manifold Natural Gas	0 2 0.0	

Remarks:

Two Young Enterprise employees were changing out a valve on the No. 2 cylinder of the No 1 gas compressor after stopping and isolating the compressor. When they started the compressor back up they noticed a knocking noise coming from the No. 2 cylinder. They stopped the compressor and started removing the valve on the No 2 cylinder to re-inspect the new valve. However, they did not isolate or bleed down the compressor. Escaping gas was ignited by the exhaust manifold and caused an explosion and fire. The two Young Enterprise employees received first and second degree burns on their arms. The fire was put out using a light water unit and several 30-pound dry-chemical hand extinguishers.

South Pass Block 0089 G01618 Structure A Marathon Oil Co.	93-02-01 Steel Tower	Fire 450 Pipeline Leaked	Production Gasket on FSV Gasket Leak Compressor Exhaust Gas	0 0 0.0
---	-------------------------	--------------------------------	---	---------------

Remarks:

A fire occurred when a leaking gasket began spraying gas in the compressor building. Exxon personnel extinguished the fire using the platform deluge system, fire hoses, and a 350-pound chemical (dry) unit. Damage was confined to the compressor, compressor building, and related equipment in the building.

EXPLOSIONS AND FIRES

Area Block Lease No. Segment No./Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Source Fuel Type	Fatalities Injuries Spills (bbl)
Grand Isle Block 0041 00130 Structure F Conoco Inc.	9-02-13 Steel Tower	Fire 85	Production Cutting Torch Intense heat Slag From Cutting Torch Grease	0 0 0.0

Remarks:

A welder was using a cutting torch when hot slag fell through the grating on excess grease on a lube fitting of a wellhead. The grease ignited due to intense heat from the slag. Fire watch extinguished the fire using a 30-pound dry—chemical extinguisher.

Eugene Island Block 0208 00577 Structure E Conoco Inc.	93-04-05 Steel Tower	Fire 94	Production Tridare Motor Blanket Gas Electric Motor Gas	0 0 0.0
--	-------------------------	------------	---	---------------

Remarks:

Blanket gas coming from the Tridare unit was ignited by a spark produced by the unit's electric motor. The spark was caused by a frozen bearing on the motor's paddle shall. The 1/2 horsepower paddle motor was not rated for Class 1 Division 1 Group D area. The fire *was* extinguished with a fire extinguisher.

EXPLOSIONS AND FIRES

Area Block Lease No. Segment No./Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Source Fuel Type	Fatalities Injuries Spills (bbl)
Ship Shoal Block 0248 G01029 Structure D UNG Producing Co	83-05-23 Steel Tower	Fire 180	Production Glycol Reboiler Oil Soak Insulation Heat Exchanger Oil	0 0 0.0

Remarks:

The Glycol Heat exchanger insulation caught fire due to accumulation of hydrocarbons inside of the insulation. The fire was put out with a 30—pound extinguisher and water. There were no injuries.

Eugene Island Block 0313 G02608 Structure A Texaco Exp and Prod.	93-05-24 Steel Tower	Fire 236	Production Hose Oil Line Generator Muffler Engine Oil	0 0 0.0
--	-------------------------	-------------	---	---------------

Remarks:

Melting of an oil transfer line (hose) that was inadvertently laid against the generator muffler insulation caused about 1 pint of oil to ignite. The fire was put out with a fire hose. There was no pollution and minimal damage to property.

EXPLOSIONS AND FIRES

Area Block Lease No. Segment No./Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Source Fuel Type	Fatalities Injuries Spills (bbl)
Ship Shoal Block 0246 G01027 Structure A CNG Producing Co Oil and Gas	93-05-26 Steel Tower	Fire 166	Production Deck Drains Drain Line Slag Front Culling Torch	0 1 0.0
Main Pass Block 0311 G02213 Structure B Conoco Inc.	93-05-31 Steel Tower	Fire 250	Production Compressor Discharge Compressor Gas Unknown Gas	0 0 0.0

Remarks:

The fire was caused when slag ignited gas *in* the drain lines in the well bay area. Heavy rain caused drain lines to back up (overflow) onto the lower deck. A welder was in the well bay area cutting (removing) a 4-inch deluge line where slag from the cutting torch ignited the gas in the drain. The welder received burns to his arms, hands, neck, and face.

Remarks:

Vibration induced a leak in the final discharge of compressor No. 1. Gas was ignited from an unknown source. Only minor damage occurred to compressors No. 1 and No. 2. Heat sensors shut the platform in and started the fire pumps.

EXPLOSIONS AND FIRES

Area Block Lease No. Segment No./Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Source Fuel Type	Fatalities Injuries Spills (bbl)
Matagorda Island Block 0670 G06048 Structure A Union Oil Co of Calif	93-06-15 Steel Tower	Fire 114 Inlet Valve Failed	Production Blowcase Skimmer Skimmer Hot Exhaust Gas	0 1 0.0

Remarks:

While replacing the burst plate on the skimmer, a worker received second-degree burns to his arms and hands, also first—degree burns to his face. This occurred when the blowcase cycled blowing condensate out of a leaking inlet valve. The escaping condensate caught fire from hot exhaust on the generator on the cellar deck below. The worker was taken to Galveston Hospital.

East Cameron Block 0213 G04781 Structure A Ncx Co. Inc. Gas	93-06-15 Steel Tower Clear	Fire 100 Error in Judgement	Production Test Separator Test Separator Unknown	0 0 0.0
---	----------------------------------	-----------------------------------	---	---------------

Remarks:

While checking pilots selling on test Separator No. 2, the operator was not able to see if the pilot operated due to fact there was no gage on the pilots. The operator pulled relay to see if pilots operated. which activated SDV on Test header, SDV opened sending gas to the separator. This caused 2-inch plug to blow out on the bottom of the separator.

EXPLOSIONS AND FIRES

Area Block Lease No. Segment No./Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Source Fuel Type	Fatalities Injuries Spills (bbl)
Ship Shoal Block 0291 G02923 Structure A Torch Operating Co	93-06-17 Steel Tower Clear 10/15 mph	Fire 240	Production Compressor Fan Motor Compressor Cooler Hydraulic Oil	0 0 0.0

Remarks:

The gas compressor cooling Fair motor had a hydraulic line that leaked oil onto the turbocharger and engine exhaust. The oil ignited causing a fire which lasted about 5 minutes. The Fire was extinguished 150-pound dry-chemical unit and firewater.

Eugene Island Block 0372 G03786 Structure A Union Oil Co. of Calif.	93-07-21 Steel Tower	Fire 414 Disregarded Standard Operating Procedure	Production Contact Tower Cutting Torch Crude Oil	0 1 Crude in Pipe 0.0
---	-------------------------	--	---	----------------------------------

Remarks:

Fire occurred when the contract employee used a cutting torch to cut bolts on a flange. The piping contained a column of oil. The oil ignited causing injury which resulted in first-degree burns to the victim's arms, right leg, and left side of neck. The two fire watchers extinguished the fire.

EXPLOSIONS AND FIRES

Area Block Lease No. Segment No./Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Source Fuel Type	Fatalities Injuries Spills (bbl)
Ship Shoal Block 0136 G003790 Structure No. 3 Murphy Exp & Production Co	93-08-04 Jack Up	Fire 53	Abandonment Engine Exhaust Engine Oil Exhaust System Oil	0 0 0.0

Remarks:

While in the process of plugging and abandoning well No. 3, an oil leak occurred on the engine turbocharger, The leak occurred in the oil seal used to cool and lubricate the bearing for the turbocharger. Since the turbocharger is insulated, it became saturated with oil. A fire occurred; personnel put out the fire in 20 seconds, and no major damage occurred to equipment.

West Cameron Block 0556 G05346 Structure A Amerada Hess Corp.	93-08-10 Steel Tower	Fire 177	Production Flame Arrestor Glycol Reboiler Lightning Gas Vapors	0 0 0.0
---	-------------------------	-------------	--	---------------

Remarks:

Lightning struck the flame arrestor on the glycol reboiler still column causing the vapors to ignite. Fire was put out with a hand-held unit.

EXPLOSIONS AND FIRES

Area Block Lease No. Segment No./Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Source Fuel Type	Fatalities Injuries Spills (bbl)
High Island Block 0334 G02423 Structure B Union Oil Co of Calif	93-08-11 Steel Tower	Fire 227 Pipeline Ruptured	Production Compressor Hydraulic Line Exhaust Pipe Hydraulic Oil	0 0 0.0

Remarks:

While the casinghead compressor was turned on, a hydraulic line ruptured on an exhaust pipe. A flash fire occurred and activated the fire loop. Fire burned itself out in seconds causing no damage to life or property.

West Cameron Block 0485 G00007 Structure A Mobil Oil Exp & Production	93-08-14 Steel Tower	Fire 37 Platform Area Canvas Tarp	Production Welding Torch Tarp Welding Slag	0 0 0.0
---	-------------------------	--	---	---------------

Remarks:

While welding operations were in progress, slag from a cutting fell 40 feet below the welding area and landed on a canvas tarp that was covering the sump pile. The tarp caught fire burning the polyflow lines and electrical lines from the sump, resulting in a platform shut in. Flames were extinguished within 4 minutes. No property or personnel was damaged or injured.

EXPLOSIONS AND FIRES

Area Block Lease No. Segment No./Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Source Fuel Type	Fatalities Injuries Spills (bbl)
Garden Banks Block 0189 G06987 Structure A Texaco Exp and Prod	93-08-20 Platform Rig	Fire 720 Pipeline Leaked	Drilling Motor Fuel Line Engine Exhaust Diesel	0 0 0.0
South Pelto Block 0011 00071 Structure F Mobil Oil Exp. & Production	93-08-30 Steel Tower	Fire 37 Employee Negligence Gas	Production Pipeline Pump Fuel Gas Spark Plug	0 1 0.0

Remarks:

A flash fire occurred on the No. 3 motor when the fuel line leaked.

Remarks:

A company mechanic was performing regular maintenance on a natural gas driven pipeline pump. He experienced trouble starting the pump. He then removed a spark plug and coil wire from the pump while attempting to restart the pump. The spark plug arced and ignited the gas that came out of the engine cylinder which resulted in second-degree burns to his face and arms.

EXPLOSIONS AND FIRES

Area Block Lease No. Segment No./Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Source Fuel Type	Fatalities Injuries Spills (bbl)
West Cameron Block 0593 G02023 Structure A Union Oil Co of Calif	93-09-08 Steel Tower	Fire 236	Production Power Pack Accum. Moisture Power Pack Muffler Heat Blanket	0 0 0.0

Remarks:

While using a power pack to operate the crane. The operator noticed flames coming out of the heat blankets around the power pack muffler. The operator put out the fire with a 30-pound Ansil fire extinguisher. The cause of the fire was the accumulation of moisture around the muffler.

Eugene Island Block 0230 G00979 Structure CD Chevron U.S A. Inc. Supply Gas	93-09-11 Steel Tower	Fire 123 Flowline Leak	Production Fisher Controller Fisher Controller Hot Slag Falling	0 0 0.0
---	-------------------------	------------------------------	--	---------------

Remarks:

At 8:00 a.m. on September 11, 1993, a leak was discovered in the liquid discharge line from the gas filter separator. The leak was a 4-inch by 2-inch tee in the liquid discharge line. The tee was installed in the piping between the gas filter separator and the departing pipeline. Lost pressure was not enough to activate the low pressure sensor. The platform as shut in and the tee was replaced and repairs were completed on September 15, 1993.

EXPLOSIONS AND FIRES

Area Block Lease No. Segment No./Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Source Fuel Type	Fatalities Injuries Spills (bbl)
Eugene Island Block 0159 G04449 Structure A Amerada Hess Corp	93-11-04 Steel Tower Clear	Explosion 70	Production Therminol Unit Therminol Unit Pilot Light Natural Gas	0 1 0.0

Remarks:

Company personnel were attempting to put the platform back into production after shut in had occurred. The operator was attempting to light the Uniflux therminol unit. Unknown to the personnel, a faulty electric control panel allowed the main fuel valve to open prior to pilot light ignition. When the pilot lit, the air-fuel mixture was above the lower ex-plosive limit and the vessel exploded. A service personnel above the unit on the upper deck received a concussion and was taken to the hospital where he was treated and released.

Eugene Island Block 0230 G00979 Structure CD Chevron U.S.A. Inc.	93-12-05 Steel Tower Clear	Fire 123	Production Fisher Controller Fisher Controller Welding Slag Natural Gas	0 0 0.0
--	----------------------------------	-------------	---	---------------

Remarks:

Wells CD-8 and CD-7 were shut in so that welding operations in the area could begin. Tarpaulins were installed to isolate wells CD-7 and CD-8. Repairing operations began on the handrail on the north side of the platform. The welding was above the Fisher 546 controller on well CD-8. Slag fell on the controller and ignited gas seeping from the controller. The small fire was put out with a dry chemical extinguisher. No injuries or property damage occurred.

EXPLOSIONS AND FIRES

Area Block Lease No. Segment No./Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Source Fuel Type	Fatalities Injuries Spills (bbl)
Matagorda Island Block 0657 G04139 Structure B Exxon Corp	94-04-03 Steel Tower	Fire 72 Error In Judgment	Maintenance Tarpaulin Tarpaulin Hot Work Tarpaulin	0 0 0.0

Remarks:

The tarpaulin used to isolate the hot work being done on the handrails apparently not flameproof.

High Island Block 0323 G02414 Structure A Oxy U.S.A. Inc	94-04-19 Steel Tower	Fire 230	Workover Agitation Pump Agitation Pump Muffler Diesel	0 0 0.0
--	-------------------------	-------------	---	---------------

Remarks:

During well servicing activities on Well A-5, gel was mixed in a mud tank on April 18, 1994 for circulation the following day. This tank was to be agitated intermittently throughout the night with a diesel hydraulic pump provided by Specialty Tools & Services (STS). At 3:30, following the starting of the engine/pump for agitation, the insulation jacket on the muffler caught fire. Upon shutdown, the fire extinguished and the pump was taken out of service. Following the stripping of the insulation off the muffler, it was discovered that the muffler was corroded. Therefore, any diesel in the exhaust was able to come in contact with the insulation. STS was notified of the needed replacement of the muffler and insulation and needed engine service.

EXPLOSIONS AND FIRES

Area Block Lease No. Segment No./Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Source Fuel Type	Fatalities Injuries Spills (bbl)
Vermilion	94-07-06	Fire	Production	0
Block 0038	Steel Tower	36	Chem-electric Comp	0
00205	Clear	High-Low Level Control Failed	Flare Boom	1.0
Structure E			Compressor Turbo charge	
Union Oil Co of Calif			Crude	

Remarks:

The PSE located on the Chem-electric treater ruptured. It has not yet been determined whether the PSE failed due to a failure of its design or whether the vessel was over pressurized and the PSII failed to initiate platform shut-in. The PSE has been replaced with a PSV set higher than the primary PSV. The PSE rupturing dissipated the gas cushion allowing the oil to rise through the vent line. The failure of the LSII on the vessel allowed flow to continue to the vessel. Subsequent testing of the LSH revealed that it would activate with water but not with oil. The LSH controller torque arm adjusted to allow the float to activate in either oil or water. The increased flow in the flare scrubber activated its LSH, which shut in the platform.

South Pelto	94-07-30	Fire	Maintenance	0
Block 0019	Steel Tower	35	Gas Compressor	0
00073	Pt Cldy SE 2 mph	Miscellaneous Equipment	Vent Line	0.0
Structure B-H2S		Failure	Engine Block	
Murphy Exp. & Production Co			Gas	

Remarks:

While changing out the discharge valves on the No. 2 compressor, the backup No. 1 compressor was started, but the built-in timing system shut down the compressor during the loading process. Gas in the No. 1 compressor discharged through the blowdown valve, which is common to the PSV outlet on the No. 2 compressor discharge line. Gas started venting through the valve ports on the compressor cylinders. Gas ignited from heat from the compressor engine block. The TSE system (fire loop) initiated platform shut-in. The fire was extinguished with a 30-pound fire extinguisher, but reignited. The fire was extinguished a second time. The No. 2 compressor was cooled with water spray. Gas still escaped from valve ports on the No. 2 compressor cylinders. The crew began bleeding down the vent line through the valve on Platform B. Gas stopped leaking from the No. 2 compressor cylinders,

EXPLOSIONS AND FIRES

Area Block Lease No. Segment No./Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Source Fuel Type	Fatalities Injuries Spills (bbl)
Mustang Island Block 0786 G10149 Structure Atlantic Richfield Co	94-08-03 Jackup	Fire Leak In Tank or Line	Drilling Engine #1 Engine #1 Exhaust Manifold Engine Oil	0 0 0.0

Remarks:

At 2:20 pm on August 3, 1994, a small pin hole developed in an oil line on the No. 1 engine next to the exhaust manifold. The oil must have puddled on top of the engine and then caught fire. The fire was put out in a matter of minutes. There was no damage to the equipment and no one was injured. The oil line was repaired

East Cameron Block 0322 G02254 Structure A Mesa Operating Ltd Ptnr.	94-09-12 Steel Tower 50% Cloud Cover	Fire 227 Dump Valve Failed	Production Rig Pit Well Test Paint Chipper Crude	0 0 0.0
---	--	----------------------------------	--	---------------

Remarks:

During flowing and testing of Well A-21 short siring, test water was dumped to a rig pit. A rental test separator malfunctioned, dumping a small amount of oil into one of the rig pits. This oil was ignited by the operation of a pneumatic paint chipper in the pit area. Rig personnel contained and extinguished the fire promptly. There were no injuries associated with this fire. Minor smoke damage was experienced in the rig pit area. As a result, in the future Mesa will not allow such test fluids in the rig pit. All test water is now piped to the platform's production sump.

EXPLOSIONS AND FIRES

Area Block Lease No. Segment No./Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Source Fuel Type	Fatalities Injuries Spills (bbl)
Brazos Block 0504 G03469 Structure A Seneca Resources Corp	94-09-23 Steel Tower	Fire 120	Production	0 0 0.0

Remarks:

A fire in the generator room was extinguished with no resulting injury or pollution.

West Cameron Block 0144 G01953 Structure Texaco Exp. and Prod.	94-09-25 Steel Tower	Fire 45 Pipeline Leaked	Production Compressor Hydraulic Line Exhaust Manifold Hydraulic Oil	0 0 0.0
--	-------------------------	-------------------------------	---	---------------

Remarks:

At 10:55 p.m. on September 25, 1994, a compressor hydraulic line on the No. 3 cylinder fuel valve broke and leaked hydraulic oil on the exhaust manifold. This resulted in a small fire that was extinguished with one 30-pound portable fire extinguisher. The unit was cooled and rinsed with potable water. The hydraulic line was replaced and the compressor was put back in service at 11:25 p.m.

EXPLOSIONS AND FIRES

Area Block Lease No. Segment No./Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Source Fuel Type	Fatalities Injuries Spills (bbl)
East Cameron Block 286 G 2051 Structure Culling Torch Flame Mobil Exp and Producing	94-10-14	Fire 180 Employee Negligence	Maintenance Cutting Torch Cutting Torch Bldg. Material	0 0 0.0

Remarks:

As a welder cut through the heliport with an oxygen/acetylene torch in order to install a communication antenna, he also cut through the top of the living quarters. Insulation and other materials between the roof and the ceiling panels were ignited causing a smoldering fire. The fire was extinguished using a dry chemical.

Mustang Island Block 0831 G03043 Structure A Seagull Energy E & P Inc.	94-11-20 Steel Tower	Explosion 165 Gas Accumulating in Living Quarters	Production Deck drains Unknown Gas	0 3 0.0
--	-------------------------	--	---	---------------

Remarks:

At approximately 4:00 p.m., on November 20, 1994, the platform had shut in due to the A-6 well shutting in. When the Platform was brought on-line, it was discovered that the A-6 well had loaded up with water. In an effort to unload the well, personnel, on Platform A, aligned the flow of the well to the vent system while hydrocarbon production continued from Platform B continued to be processed through the high-pressure separator on Platform A. At approximately 6:00 p.m., while the well was venting, an explosion in the living quarters occurred. Three men, injured in the blast made their way from the living quarters to the second level by crawling down flare boom piping. To escape the initial area of the explosion and fire, they then proceeded down to lower deck levels, where they spent the night. They were rescued by USCG personnel and transported to memorial Medical Center in Corpus Christi, TX, where they were treated for severe burns.

EXPLOSIONS AND FIRES

Area Block Lease No. Segment No./Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Source Fuel Type	Fatalities Injuries Spills (bbl)
High Island Block 0561 G02712 Structure A Phillips Petro Co	94-11-28 Steel Tower	Fire 255 Discharge or Transfer Line Ruptured	Pipeline Operation Pipeline Pump Pipeline Pump Muffler Crude	0 0 0.0

Remark:

I nipple broke on the suction pipeline of the No. 1 pump. Oil sprayed on the adjacent muffler of the No. 2 pump A fire ignited. The fire was extinguished by water and chemical. No sheen was visible in the Gulf of Mexico. The damage was estimated at \$10,000.

High Island Block 0110 G02353 Structure B Texaco Exp. and Prod	94-12-04 Steel Tower	Fire 40 Cause of Event Unknown	Production Generator Unknown Unknown	0 3 0.0
--	-------------------------	--------------------------------------	---	---------------

Remarks:

A flash fire occurred when a generator was being started. The cause of the fire is unknown. It extinguished itself. Three personnel received minor burns. They were transported to Lakewood Hospital in Morgan City, LA, where they received treatment and were released the same night. There was no pollution to the environment or damage to the equipment The generator unit was shut down pending an accident investigation from Texaco.

EXPLOSIONS AND FIRES

Area Block Lease Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Well Type Equipment Involved Activity at Accident Spill Type	Fatalities Injuries Spills (bbl)
High Island Block 0110 G0253 Structure B Texaco Exp and Prod	94-12-04 Steel Tower Clear	Fire 49 Poor Equipment Design or Placement	Production Generator Fuel Gas Scrubber Unknown Natural Gas	0 1 0.0
Mustang Island Block 787 G11221 Structure Vastar Resources Inc.	94-12-10 Wind 40 mph	Fire Unknown	Drilling Welding Torch Drilling Fluid Welding Torch Unknown	0 0 0.0

Remarks:

During installation of a refurbished generator, the engine was started without gas exhaust lines fully extended away from tie starter. A flash fire occurred after the engine start. The gas supply was shut off and the fire extinguished. A crew member was sent in for medical treatment. He was treated and returned to work the following day (light duty at shore base due to crew change)

Remarks:

While cutting a hole in the 26-inch drive pipe with a welding torch to install an 8-inch valve, fluid began draining from the pipe. The fluid flashed creating a 10- to 12-foot flame lasting approximately 30 seconds. A sample of the fluid was submitted for analysis which was inconclusive as to the nature of the material that caused the fire.

PIPELINE BREAKS AND LEAKS

Area Block Lease No. Segment No./Structure Operator	Date Type Facility	Type Accident Water Depth (ft) Primary Cause	Equipment Involved Activity at Accident Spill Source Type Spill	Fatalities Injuries Spills (bbl)
Grand Isle Block	91 -01-05 Pipeline	Spill Pipeline leaked	Pipeline Producing Pipeline Crude	0 0 3.0

Conoco Inc

Remarks:

On March 5, 1991. a slick was sighted iii Grand Isle 43 Field The cause as a hole developed in the Grand Isle 43 Field pipeline and approximately 3 barrels of oil were lost. Divers located the leak and clamps were put on the pipeline.

South Marsh Island Block 0137 G02589 A	91-04-11 Steel lower	Spill 217 Pipeline Leaked	Pipeline Pipeline Crude	0 0 2.0
---	-------------------------	---------------------------------	-----------------------------------	---------------

Conoco Inc.

Remarks:

Leak in the pipeline from the inside protective casing J-tube.

High Island Block 0264 G09140 000459 High Island Offshore System	91-05-05 Steel Tower	Fire Poor Equipment Design or Placement	Turbine Compressor	0 0 0.0
--	-------------------------	---	--------------------	---------------

Remarks:

Small fires ignited in the vicinity of the vent points on the turbine/compressor unit lubricating system. On compressor shutdown, the vent valve for the compressor casing did not open because the control system did not function as intended. As a consequence, the gas trapped in the compressor casing forced small volumes of lubricating oil out at the vent points on the lubricating system, which, upon contact with hot surfaces on the unit, ignited.

PIPELINE BREAKS AND LEAKS

Area Block Lease No. Segment No./Structure Operator	Date Type Facility	Type Accident Water Depth (ft) Primary Cause	Equipment Involved Activity at Accident Spill Source Type Spill	Fatalities Injuries Spills (bbl)
South Timbalier Block 0024 00387 000026 Chevron USA Inc	91-06-19 Pipeline	Spill 51 Pipelines Leaked	Pipeline Production Pipeline Crude	0 0 19.0
Remarks: A sheen was observed coming from the area between C arid AA platforms. Divers were sent down to observe and they found a flange leaking on the C pipeline. Repairs were made and the pollution stopped.				
Grand Isle Block 000359 Conoco Inc	91-06-29 Pipeline	Spill Pipeline Leaked	Pipeline Pipeline Crude	0 0 12.0
Remarks: A leak occurred in the 12-inch oil pipeline between Grand Isle Block 47 Platform A and where the pipeline leaves Federal waters in Grand Isle Block 16. Twelve barrels of crude oil leaked.				
Grand Isle Block 0040 00128 Conoco Inc.	91-12-13	Spill Pipeline Leaked		0 0 1.5
Remarks: The pipeline on Grand Isle Block 40 leaked about 1.5 barrels of crude due to a corrosion problem. Divers repaired the leak with a clamp.				

PIPELINE BREAKS AND LEAKS

Area Block Lease No. Segment No./Structure Operator	Date Type Facility	Type Accident Water Depth (ft) Primary Cause	Equipment Involved Activity at Accident Spill Source Type Spill	Fatalities Injuries Spills (bbl)
West Delta Block 0031 00016 000071 Exxon Corp	91-12-22 Pipeline	Spill 50 Pipeline Leaked	Pipeline Production Pipeline Crude	0 0 6.5

Remarks:

On December 22, 1991 pollution was observed between the West Delta Block 31 E and F platforms and, at that time, was reported as a sighting. Later it was learned to be the 10-inch oil pipeline between the platforms. Two clamps were installed on the pipeline at 400 feet and 1200 feet from the F platform. The leaks were successfully tested for 12 hours on December 26 and 27, 1991.

Grand Isle Block 0043 000063 Conoco Inc.	92-01-03 Pipeline	Spill 90 Pipeline Leaked	Pipeline Production Pipeline Crude	0 0 25.0
---	----------------------	--------------------------------	---	----------------

Remarks:

On January 3, 1992, a slick was sighted in the Grand Isle area and reported to the proper agencies. On January 4, the origin of the slick was confirmed to be the pipeline between Grand Isle Blocks 43 AA and 47 A platforms. Divers located the leak, and pipeline clamps were attached over the section that was leaking.

Grand Isle Block 047 00133 000359 A Conoco Inc.	92-04-23 Pipeline	Spill Pipeline Leaked	Pipeline Production Pipeline Crude	0 0 4.0
---	----------------------	------------------------------	---	---------------

Remarks:

Internal corrosion caused a leak in the pipeline. A clamp was installed over the leak. Four barrels were spilled.

PIPELINE BREAKS AND LEAKS

Area Block Lease No. Segment No./Structure Operator	Date Type Facility	Type Accident Water Depth (ft) Primary Cause	Equipment Involved Activity at Accident Spill Source Type Spill	Fatalities Injuries Spills (bbl)
South Marsh Island Block 0066 G01198 C Phillips Petro Co	92-07-16 Pipeline	Spill 129 Pipeline Leaked	Pipeline & Valve Shutting in Pipeline Pipeline Crude	0 0 1.0
Remarks: A pipeline cracked below and in front of the shutdown valve after the shutdown valve shut in the pipeline.				
West Cameron Block 165 00758 000349 Pennzoil Petro Co	92-08-03 Pipeline	Spill Pipeline Leaked	Pipeline Pipeline Condensate	0 0 3.0
Remarks: Internal corrosion caused a leak in the pipeline Three barrels of condensate leaked into the sea. The leak was repaired.				
South Marsh Island Block 0128 000400 Texaco Inc.	92-08-28	Spill 30 Pipeline Leaked	Pipeline Shut-in Pipeline Crude	0 0 2000

Remarks:

The damaged portion of line was probably caused by an anchor from rig Treasure 75 that was moving in a westerly direction caused by high wind from Hurricane Andrew.

PIPELINE BREAKS AND LEAKS

Area Block Lease No. Segment No./Structure Operator	Date Type Facility	Type Accident Water Depth (ft) Primary Cause	Equipment Involved Activity at Accident Spill Source Type Spill	Fatalities Injuries Spills (bbl)
West Delta Block 094 000052 Conoco Inc	92-12-07	Spill Pipeline Leaked	Pipeline Pipeline Crude	0 0 3.0
Remarks: Internal Corrosion caused a leak in the pipeline resulting in a 3-barrel spill into the sea.				
South Pass Block 0060 G01608 000365 Atlantic Richfield Co	93-02-03 Pipeline	Spill 185 Pipeline Leaked	Pipeline Production Pipeline Crude	0 0 2.1
Remarks: A leak developed in the pipeline from the A platform to shore.				
West Delta Block 0026 000361 Chevron U.S.A. Inc.	93-05-09 Pipeline	Spill 10 Pipeline Ruptured	Pipeline Pipeline Operations Pipeline Crude	0 0 4.0
Remarks: The pipeline was apparently impacted by a boat which dented the pipeline and created a 5-inch long split in the line. The damaged part of the line is located in State waters 5100 feet offshore in 10 feet of water.				

PIPELINE BREAKS AND LEAKS

Area Block Lease No. Segment No./Structure Operator	Date Type Facility	Type Accident Water Depth (ft) Primary Cause	Equipment Involved Activity at Accident Spill Source Type Spill	Fatalities Injuries Spills (bbl)
South Timbalier Block 0161 000002 Amoco Production Co	93-06-17	Spilt 116 Ruptured Pipeline	Pipeline Production Other	0 0 50.0
Remarks: The line was parted when a contractor boat anchor struck the line. As much as 30% of time oil in the lines may have spilled (per Coast Guard).				
West Delta Block 0070 000463 Conoco Inc	93-06-22 Pipeline	Spill 130 Pipeline Leaked	Pipeline Production Pipeline Crude	0 0 2.0
Remarks: A slick was sighted around the center of West Delta Block 70 near the point where Segment No. 525 ties into Segment No. 4636. A pinhole leak was found.				
South Pass Block 0052 000717 Transcontinental Gas Pipeline	93-07-22 Pipeline	Spill 532 Pipeline Ruptured	Pipeline Production Pipeline Condensate	0 0 10.0
Remarks: A mudslide caused the load limiting slip connector (with upstream reversed check valve) to part about 3 feet.				

PIPELINE BREAKS AND LEAKS

Area Block Lease No. Segment No./Structure Operator	Date Type Facility	Type Accident Water Depth (ft) Primary Cause	Equipment Involved Activity at Accident Spill Source Type Spill	Fatalities Injuries Spills (bbl)
West Delta Block 0069 000194 Conoco Inc	93-09-03 Pipeline	Spill 121 Pipeline leaked	Pipeline Production Pipeline Crude	0 0 1.5
Remarks: A pipeline leak in a 6-inch oil pipeline caused hydrocarbons to go into the Gulf.				
Grand Isle Block 0043 000052 Conoco Inc	93-09-13 Pipeline	Spill 110 Pipeline Leaked	Pipeline Pipeline Shut-in Pipeline Crude	0 0 1.5
Remarks: The pipeline was put out of service on September 2, 1993. The line developed a leak and caused a 1.5-barrel spill.				
Eugene Island Block 0281 000928 Crude Apache Corp.	93-09-24 Pipeline	Spill 52 Pipeline Leaked	Pipeline Production Pipeline	0 0 10.0
Remarks: A leaking hot tap valve clamp caused a small spill. It is believed that a trawl net may have pulled the clamp loose from the pipeline. The pipeline was dislocated 30-50 feet north.				

PIPELINE BREAKS AND LEAKS

Area Block Lease No. Segment No./Structure Operator	Date Type Facility	Type Accident Water Depth (ft) Primary Cause	Equipment Involved Activity at Accident Spill Source Type Spill	Fatalities Injuries Spills (bbl)
Eugene Island Block 0314 000076 Crude Exxon Corp	93-10-07 Pipeline	Spill 235 Pipeline Leaked	Pipeline Pipeline	0 0 5.5
Remarks: During pumping operations to unstick a pig/paraffin, the dive boat anchor snagged a cable and dragged it across the pipeline resulting in a hot tap clamp being pulled off the pipeline. The divers installed a new clamp.				
South Timbalier Block 0161 000002 Exxon Corp	93-10-08 Pipeline	Spill 117 Pipeline Leaked	Pipeline Pipeline Crude	0 0 5.5
Remarks: A work boat snagged a clamp while pulling up anchor. The clamp was replaced and buried.				
Ship Shoal Block 0118 000110 Murphy Exp. & Production Co	93-12-08 Pipeline	Spill 52 Pipeline Leaked	Pipeline Pipeline Crude	0 0 1.9
Remarks: Pinhole leaks were found in the submerged portion of the pipeline in Ship Shoal Block 118. Two leak locations were found. A 100-Fool section of pipe and a 300-foot section of pipe were replaced. The lines were tested for 8 hours at 1500 psig.				

PIPELINE BREAKS AND LEAKS

Area Block Lease No. Segment No./Structure Operator	Date Type Facility	Type Accident Water Depth (ft) Primary Cause	Equipment Involved Activity at Accident Spill Source Type Spill	Fatalities Injuries Spills (bbl)
Ship Shoal Block 0118 001100 Murphy Exp & Production Co	93-12-08 Pipeline	Spill 50 Pipeline Ruptured	None Routine Production Oil Pipeline Rupture Crude	0 0 2.2
Remarks: Personnel from MMS were in route to an inspection when they observed pollution while flying over the Ship Shoal area. They landed at SS Block 114 to notify the operator. – Murphy Exp & Prod. Co. A Field supervisor was dispatched to investigate the source of pollution. The source was marked with a bouy. Divers later determined the source was a 2-foot split in an old 4 inch pipeline. A 4-inch clamp was placed over the split.				
Eugene Island Block 0188 000355 Anr Pipeline Co	94-06-29 Pipeline	Spill Pipeline Leaked	 Riser Leak Condensate	0 0 1.0
Remarks: There was a pinhole leak on EI Block 188 on the 4-inch riser above the splash zone caused by internal corrosion. A split sleeve was clamped over the corroded Section.				
Eugene Island Block 0188 000355 Anr Pipeline Co.	94-06-29 Pipeline	Spill 65 Pipeline Leaked	Pipeline Pipeline Condensate	0 0 1.0
Remarks: There was a 4-inch dumpline for this pipeline located on the B platform that began leaking. A corroded section of the pipe was discovered. A split sleeve was clamped over the corroded section of the 4-inch pipe.				

PIPELINE BREAKS AND LEAKS

Area Block Lease No. Segment No./Structure Operator	Date Type Facility	Type Accident Water Depth (ft) Primary Cause	Equipment Involved Activity at Accident Spill Source Type Spill	Fatalities Injuries Spills (bbl)
Eugene Island Block 330 002115 000112 Penzoil Co.	94-07-27	Spill Pipeline Leaked	 Leaking P/I Flange Crude	0 0 1.0
Remarks: Loose flange of submerged pipeline 200 yards east of EI 330S platform caused 1.0 barrel of oil to leak. Divers tightened the flange.				
Eugene Island Block 0330 000112 Pennzoil Exp. and Prod	94-07-27 Pipeline	Spill 247 Pipeline Leaked	Pipeline Pipeline Crude	0 0 1.0
Remarks: A diver found that a flange was leaking, After depressurizing the line, divers tightened the leaking flange.				
Eugene Island Block 0316 000729 Crude Pennzoil Exp. and Prod,	94-07-28 Pipeline	Spill 240 Pipeline Leaked	Pipeline Pipeline	0 0 1.0
Remark: A loose flange on the SSTI was found leaking. The flange was tightened.				

PIPELINE BREAKS AND LEAKS

Area Block Lease No. Segment No./Structure Operator	Date Type Facility	Type Accident Water Depth (ft) Primary Cause	Equipment Involved Activity at Accident Spill Source Type Spill	Fatalities Injuries Spills (bbl)
Eugene Island Block 0316 G05040 000729 Pennzoil Exp and Prod	94-07-28	Spill Pipeline Leaked	 Flange Crude	0 0 1.0
Remark: Leaking flange on subsea tie in caused 1.0 barrel spill. Flange was tightened.				
High Island Block 0376 G02754 Anadarko Petro Corp	94-09-26 Pipeline	Injury 300		0 1 0.0
Remarks: A Cal Dive International diver injured his right hand when he opened a valve to flood a pipeline, and his hand was sucked to the valve due to the differential pressure. He was hung up for approximately 1 hour, 45 minutes, The nature of his injury was a cut nerve an his right index finger. To prevent a recurrence, a diffuser should be installed before operating.				
Ship Shoal Block 0259 0008324 Shell Offshore Inc.	94-11-22	Spill Subsea tie-in Snagged by Trawling Net	 Bent Pipeline Condensate	0 0 4533

Remarks:

Valve on subsea tie-in to submerged condensate pipeline was snagged by trawl net. Pipeline was pulled and bent causing a 3" x 0.25" crack in the line.

PIPELINE BREAKS AND LEAKS

Area Block Lease No. Segment No./Structure Operator	Date Type Facility	Type Accident Water Depth (ft) Primary Cause	Equipment Involved Activity at Accident Spill Source Type Spill	Fatalities Injuries Spills (bbl)
High Island Block 0561 G02712 A Phillips Petro Co	94-11-28 Steel Tower	Fire 255 Discharge or Transfer Line Ruptured	Pipeline Pump	0 0 0.0
Galvestons Block 0239 Walter O & G Corp	94-12-16 Pipeline	Unknown 59 Cause of Event Unknown	Pipeline Gas	0 0 0.0

Remarks:

The nipple broke on the suction pipeline of the No. 1 pump. Oil sprayed on the adjacent muffler of the No. 2 pump. A fire ignited. The fire was extinguished by water and chemical. No sheen was visible in the Gulf of Mexico. The damage was estimated at \$ 10,000.

Remarks:

Transcontinental reported a pipeline rupture in GA 238. All production was shut-in. There was no slick as it was a gas pipeline. It was blowing approximately 20 feet into the air. There was a boat drifting in the area. The USCG was notified and was responding,

**SIGNIFICANT POLLUTION INCIDENTS
50 BBL (2100 GAL) OR MORE**

Area Block Lease No. Structure Operator	Date Duration (days) Type Facility	Type Accident Water Depth (ft) Primary Cause	Equipment Involved Spill Source Type Spill	Fatalities Injuries Spills (bbl)
South Timbalier Block 0038 G09637 Structure A Elf Exp. Inc.	91-10-13 Steel Tower	Spill 50 High-low Level Control Failed	Tank Tank Crude	0 0 350.0
Remarks: The high-level failed on the drill oil lank causing it to overflow into the Gulf. The structure was unmanned at the time of the spill. The platform was shut in remotely from West Delta Block 138				
South Marsh Island Block 0128 Structure Texaco Inc	92-08-28	Spill 30 Pipeline Leaked	Pipeline Pipeline Crude	0 0 2000.0
Remarks: The damaged portion of line was probably caused by an anchor from rig Treasure 75 that was moving in a westerly direction caused by high wind from Hurricane Andrew				
South Pass Block 0060 G01608 Structure Atlantic Richfield Co	92-12-26 Jackup	Blowout 15 Insufficient Density of Drilling Fluid	Well Blowing Well Condensate	0 0 100.0
Remarks: While the crew was preparing to go back into hole with a core barrel gun assembly, the well percolated gas with the fluid level dropping, reducing the hydrostatic pressure on the formation The well began flowing natural gas, condensate, and water. Approximately 100 bbl of condensate flowed into the Gulf of Mexico before the diverter could be closed.				

**SIGNIFICANT POLLUTION INCIDENTS
50 BBL (2100 GAL) OR MORE**

Area Block Lease No. Structure Operator	Date Duration (days) Type Facility	Type Accident Water Depth (ft) Primary Cause	Equipment Involved Spill Source Type Spill	Fatalities Injuries Spills (bbl)
Ship Shoal Block 0259	94-11-22	Spill 197	See Memo Condensate	0 0 4533
Structure Shell Offshore Inc		Pipeline snagged by Trawling net		

Remarks:

Valve on subsea tie-in to submerged condensate pipeline was snagged by trawl net. Pipeline was pulled and bent causing a 3" x 0.25" crack in the line.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
Main Pass Block 0299 G09372 Structure Freeport McMoran Resource Ptr	91-01-19 Steel Tower	Fatality 210 Fall	Drilling Crane Climbing	1 0 0.0

Remarks:

The Derrickman II for Freeport Sulphur was climbing down the north crane on the platform when he fell backward over the handrail and into the Gulf.

Eugene Island Block 0299 00437 Structure A Delmar Operating Inc.	91-02-06 Steel Tower	Fire 101	Production Pump & Compressor Production	0 1 0.0
--	-------------------------	-------------	---	---------------

Remarks:

The pipeline pump was pumping oil into Shell Offshore Inc.'s pipeline. A gasket on the bottom flange of the pump (PSV) ruptured and started spraying oil. The oil contacted an exposed portion of the prime mover exhaust and ignited. The fire lasted about 10 minutes and was extinguished with dry chemical and fire water. One employee received flash burns to his forehead, but the incident did not result in a lost time accident.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
High Island Block 0039 G 11367 Structure No 2 Walter O & G Corp	91-03-03 Jackup Clear	Injury 51 Fall	Drilling Running Casing	0 1 0.0

Remarks:

The drilling rig as working on Well No. 2 when the chain on the stabbing board broke. Built the man and the board fell to the rig floor. He suffered a cut above his left eye, a gash in his scalp, injuries to his left leg and ankle, and three broken bones in his neck.

Eugene Island Block 0099 00795 Structure B Total Minatome Corp	91-03-23 Steel Tower	Explosion 25 Tank Ruptured	Production Fuel Filter	0 1 0.0
--	-------------------------	----------------------------------	---------------------------	---------------

Remarks:

An explosion occurred when the bottom of a fuel filter pot blew out causing serious injuries to one employee. Someone used a gas supply line (jumper) and mistakenly introduced 1100 psi of gas into the fuel filter pot. This caused the vessel to overpressure and it exploded.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
High Island Block 0376 G02754 Structure A Anadarko Petro Corp	91-05-01 Steel Tower Partly Cloudy	Fire 328 Fire	Production Skim Pile	0 6 0.0

Remarks:

It appeared that gouging on the cellar deck grating caused a spark which ignited a combustible mixture in the oil section of the skim pile. Six contractor personnel suffered first- and second degree burns, and one operator employee tore the cartilage in his left knee. Five of the injuries were serious.

High Island Block 0536 G02698 Structure Amoco Production Co.	91-05-06 Steel Tower	Injury 200 Miscellaneous Equipment Failure	Production	0 1 0.0
--	-------------------------	---	------------	---------------

Remarks:

An employee caught his foot and twisted his knee when a small section of the catwalk broke.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
South Timbalier Block 0035 G03336 Structure Chevron U S A Inc	91-05-10 Platform Rig	Fatality 49 Fall	Drilling Removing Blower	1 0 0.0
Brazos Block 0542 G12465 Structure No. 1 Walter O &G Corp	91-06-10 Jackup	Injury 117 Struck by Falling or Moving Equipment	Drilling Putting Chain on Kelly	0 1 0.0

Remarks:

One the workover rig, Sundowner V, the driller and the derrick hand were attempting to remove the blower off the side of the traction motor (drawworks) to get a better view of the motor inside. The blower flipped over, causing the driller to lose his balance and fall off the platform. The driller struck the boat deck and fell into the water.

Remarks:

A roustabout aboard the drilling rig Marine XVII was putting the chain around the kelly to pull it back, when the kelly set down and crushed his finger. The finger had to be amputated between the first- and second-joint.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
Eugene Island Block 0129 00054 Structure CF Mobil Oil Exp & Production	91-07-03 Steel Tower Clear	Fire 52 Employee Negligence	Production Culling Torch Removing Old Piping .	0 1 0.0

Remarks:

A flash fire occurred during routine removal of corroded platform piping. A contract welder was culling corroded pipe. As he was cutting, the heat caused a portion of the adjacent PVC to melt. The oil inside the PVC piping ignited and sprayed onto the welder. He received minor burns.

Grand Isle Bock 0017 00025 Structure Bleedwater Freeport McMoran Resource Ptrr	91-10-10 Steel Tower	Injury 50	Production Production	0 1 0.0
--	-------------------------	--------------	------------------------------	---------------

Remarks:

An employee of Freeport was working on a brine well when the brine water backed up on the well and came out burning him. He was taken to a West Jefferson Hospital where it as determined that he had second- and third-degree burns on this face, arms, and legs.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
Eugene Island Block 0208 00577 Structure J Conoco Inc	91-10-26 Steel Tower Rain	Fire 94 Fire	Production Storage Tanks Welding & Burning	0 1 3.1

Remarks:

A welder was repairing 2-inch line from the storage tank to the horizontal treater. A 2-inch tee in the line developed a leak due to leaking gasket material used to blind flange the subject line, resulting in a fire, damage, and injury.

Mobile Block 0823 G05057 Structure Mobil Oil Exp. & Production	91-11-14 Jackup	Fatality Fall	Drilling	1 0 0.0
--	--------------------	----------------------	----------	---------------

Remarks:

The rig was tripping in the hole with 2 7/8-inch drill pipe for a fishing operation. The derrickman had just relieved a coworker on the stabbing board. Instead of using the safety harness that is supplied, he used a "belly board" that consisted of support rake, duck taped to a fabric belt, attached ho each side of the "stabbing board" opening. After using this apparatus for an undetermined amount of time, the 3/8-inch hemp rope broke, and he fell 30 feet, striking his head on the rig floor. After receiving CPR., he was transported to a local hospital by a Navy helicopter, He was declared dead at approximately 2:00 p.m..

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
Matagorda Island Block 0622 G05000 Structure CQRTS Amoco Production Co.	92-02-07 Steel Tower	Fatality 83 Cause of Event Unknown	Production	1 0 0.0

Remarks:

An Employee of Energy Catering died in his sleep of natural causes.

South Timbalier Block 0037 00392 Structure Chevron U.S.A. Inc.	92-03-26 Steel Tower	Fatality 50 Struck by Falling or Moving Equipment	Construction Construction	1 1 0.0
--	-------------------------	--	----------------------------------	---------------

Remarks:

During construction work being performed on the Y platform, cutting torches were being used to remove old steel beams and grating. During the process, the grating and deck collapsed under both men, causing them to Fall along with the grating and deck into the Gulf. One worker *was* killed from falling objects and a second received a broken ankle.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
Ship Shoal Block 0176 00589 Structure Walter O & G Corp	92-06-22 Steel Tower	Fire 87 Employee Error	Workover Line Heater Well Testing	0 1 0.0

Remarks:

An employee failed to open the block valve on the gas outlet on the separator causing the PSV to open and discharge gas. Gas ignited briefly at the line heater due to a missing plug on the firebox. The block valve was used to furnish separator gas to the line heater. The well was periodically opened and shut-in to clean the production choke of perforating debris. Well testing was also stopped and resumed during these operations.

High Island Block 0573 G02393 Structure B Mobil Producing Texas & New Mexico	92-09-22 Steel Tower	Injury 336 Fall	Production	0 1 0.0
--	-------------------------	-----------------------	------------	---------------

Remarks:

An employee was descending the steps of a reciprocating compressor with an oil can in his right hand and his left hand on the handrail. His foot slipped, and he broke his fall by holding onto the handrail with his left hand. The fall extended his left shoulder as it pulled his arm backward causing a tear to the rotator cuff of the left shoulder.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
High Island Block 0120 G09100 Structure A Santa Fe International Corp	92-11-29 Steel Tower	Fire 49 Relief Valve on Scrubber Failed	Production Departing Pipeline	0 2 0.0

Remarks:

Two recreational fishermen received second and third degree burns to their hands and faces when natural gas was released to an underwater flare. A pressure buildup in the departing pipeline caused the PSV on the production separator, to relieve the excess pressure to the underwater flare where the fishermen's boat was located. A flash fire lasted approximately 15 seconds before the platform operator could divert the flow from the PSV away from the underwater flare.

Eugene Island Block 0258 G1959 Structure B Canadianoxy Offshore Prod.	92-12-02 Steel Tower	Injury 158 Poor Equipment Design or Placement	Maintenance Off Loading New Crane	0 1 0.0
---	-------------------------	--	--------------------------------------	---------------

Remarks:

While a portable crane was unloaded from the M/V Mertie G, the wave action of thie Gulf caused slack in the cable and sling. This caused a shock load on the crane when the boat came down from the wave action. The welds on tile base of the crane broke free causing the crane and the operator to fall off on the port side of the stern of the M/V Mertie G. The crane operator was thrown overboard. He hung onto the crane seat and floated back to the platform, receiving injuries to his knees and legs.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
West Delta Block 0027 G04473 Structure A Chevron USA Inc.	92-12-05 Jackup	Fatality 39 Struck by Falling or Moving Equipment	Drilling Spool Wire Rope Moving Spool of Wire	1 1 0.0

Remarks:

An employee on contract for the Marine 303 jackup drilling rig was storing a spool of wire rope, when the spool came loose from its chain and struck the employee on the neck, causing a cervical fracture. The employee later died of complications at the hospital.

West Cameron Block 0643 G002241 Structure A Chevron U.S A. Inc.	92-12-11 375	Fatality Fall	Production Repairing Saltwater Pump	1 1 0.0
---	-----------------	------------------	--	---------------

Remarks:

While repairing a saltwater pump just below the top deck of the platform, a production specialist working for Chevron fell to the cellar deck and was fatally injured.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
High Island Block 0022 G05006 Structure A Kerr-McGee Corp	92-12-25 Steel Tower	Injury 42 Error in Judgment	Production Production Operation	0 1 0.0

Remarks:

Contractor employee working for Kerr-McGee fell down the stairs while going to the cellar deck, hurt his left shoulder, elbow, ankle, and head.

West Delta Block 0045 00138 Structure Conoco Inc.	92-12-31 Steel Tower Wind 5 mph	Fire 49 Disregarded Standard Operating Procedure	Production No. 1 Gas Compressor Compressor Repair	0 2 0.0
---	---------------------------------------	---	---	---------------

Remarks:

Two Young Enterprise employees were changing out a valve on the No. 2 cylinder of the No. 1 gas compressor after stopping and isolating the compressor. When they started the compressor back up they noticed a knocking noise coming from the No. 2 cylinder. They stopped the compressor and started removing the valve on the No. 2 cylinder to re-inspect the new valve. However, they did not isolate or bleed down the compressor. Escaping gas was ignited by the exhaust manifold and caused an explosion and fire. The two Young Enterprise employees received first- and second-degree burns on their arms. The fire was put out using a light water unit and several 30-pound dry-chemical hand extinguishers.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
South Timbalier Block 0152 00464 Structure E Chevron U S A Inc	93-02-12 Steel Tower	Fatality 137 Explosion	Abandonment Platform Removal	1 0 0.0

Remark:

The fatality occurred when a diver in the process of cutting a window in the 10 ¾-inch casing 138 feet below the surface. The surface personnel heard an explosion on the diver's monitor. A standby diver dove into the water immediately and when he reached the other diver he found him unconscious and his helmet off. The injured diver died later in the decompression chamber of cardiac arrest.

Brazos Block A0105 G02833 Structure B Union Oil Co of Calif.	93-05-08 Steel Tower	Injury 188 Fall	Production Stairs Drilling	0 1 0.0
--	-------------------------	-----------------------	----------------------------------	---------------

Remarks:

A field operator was walking up the stairs from the production platform to the rig. While looking up to locate the source of mud that he had noticed on the stairs, he slipped and fell. He experienced pain in his lower back and left leg.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
Ship Shoal Block 0246 G01027 Structure A CNG Producing Co	93-05-26 Steel Tower	Fire 166	Production Deck Drains Removing 4-inch Deluge Line	0 1 0.0

Remarks:

The fire was caused when slag ignited gas in the drain lines in the well bay area. Heavy rain caused drain lines to back up (overflow) onto the lower deck. A welder was in the well bay area cutting (removing) a 4-inch deluge line where slag from the cutting torch ignited the gas in the drain. The welder received burns to his arms, hands, neck, and face.

Matagorda Island Block 0670 006048 Structure A Union Oil Co. of Calif.	93-06-15 Steel Tower	Fire 114 Inlet Valve Failed	Production Blowcase Skimmer Replacing Hurst Plate	0 1 0.0
--	-------------------------	-----------------------------------	---	---------------

Remarks:

While replacing the burst plate on the skimmer, a worker received second-degree burns to his arms and hands, also first-degree burns to his face. This occurred when the blowcase cycled blowing condensate out of a leaking inlet valve. The escaping condensate caught fire from hot exhaust on the generator on the cellar deck below. The worker was taken to Galveston Hospital.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
Eugene Island Block 0372 G03786 Structure A Union Oil Co of Calif.	93-07-21 Steel Tower	Fire 414 Disregarded Standard Operating Procedure	Production Contact Tower Cutting & Welding	0 1 0.0

Remarks:

Fire occurred when the contract employee used a cutting torch to cut bolts on a flange. The piping contained a column of oil. The oil ignited causing injury which resulted in first-degree burns to the victim's arms, right leg, and left side of neck. The two fire watchers extinguished the fire.

High Island Block 0068 G07298 Structure A Mobil Producing Texas & New Mexico	93-08-11 Steel Tower	Injury 84 Platform Area	Production Electric Drill Maintenance	0 1 0.0
--	-------------------------	-------------------------------	---	---------------

Remarks:

After drilling a 1/2-inch hole with electric drill through a metal plate, an employee was pulling or retrieving the drill bit back through the hole, the drill bit stuck and caught and locked to the side. The employee dropped the drill and it struck his right hand, causing a fracture of the hand.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
South Pelto Block 0011 00071 Structure F Mobil Oil Exp & Production	93-08-30 Steel Tower	Fire 37 Employee Negligence	Production Pipeline Pump Production	0 1 0.0

Remarks:

A company mechanic was performing regular maintenance on a natural gas driven pipeline pump. He experienced trouble starting the pump. He then removed a spark plug and coil wire from the pump while attempting to restart the pump. The spark plug arched and ignited the gas that came out of the engine cylinder which resulted in second-degree burns on his face and arms.

Matagorda Island Block 0555 G03079 Structure Enron O & G Co.	93-09-08 Steel Tower	Injury 71 Poor Equipment Design or Placement	Workover Workover	0 1 0.0
--	-------------------------	---	--------------------------	---------------

Remarks:

While an employee was securing a section (stand) of drill pipe with clamp and pushing against the drill pipe, the clamp sprung back breaking a bone in right hand of another employee.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
Eugene Island Block 0297 G04449 Structure A Amerada Hess Corp	93-11-04 Steel Tower Clear	Explosion 70	Production Therminol Unit Putting Platform on Production	0 1 0.0

Remarks:

Company personnel were attempting to put the platform back on production after shut in had occurred. The operator was attempting to light the Uniflux therminol unit. Unknown to the personnel a faulty electric control panel allowed the main fuel valve to open prior to pilot light ignition. When the pilot lit, the air-fuel mixture was above the lower explosive limit and the vessel exploded. A service personnel above the unit on the upper deck received a concussion and was taken to the hospital where he was treated amid released .

East Cameron Block 0297 G07663 Structure B Great Western Offshore Inc	93-12-20 Steel Tower	Injury 182	Production Walking on Deck	0 1 0.0
---	-------------------------	---------------	-----------------------------------	---------------

Remarks:

An employee was walking on the deck when he slipped and fell. This caused the employee to twist his right ankle and knee. When he went to the Bone & Joint Clinic-Shreveport, it was determined that surgery would be necessary to repair the lateral collateral ligament and to remove loose bones and spurs.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
West Cameron Block 0053 G04379 Structure A Zilkha Energy Co.	94-02-07 Jackulp	Injury 35	Drilling Drilling Development Well	0 1 0.0

Remarks:

While the pipe was being removed with a sling, the pipe struck the “V” door and came loose from the sling striking an employee thus causing injury to him. The employee will be Out of work in excess of 72 hr.

South Pass Block 0037 00697 Structure E Aran Energy Corp	94-02-18 Steel Tower Clear	Fatality 101 Struck by Falling or Moving Equipment	Workover Tripping	1 1 0.0
--	----------------------------------	---	--------------------------	---------------

Remarks:

The gravel pack assembly was pulled from the cell bore, and the assembly was stood in the derrick and when the elevators were released, the gravel pack assembly buckled between the second and third joints front the bottom. The Derrickman fell backwards bruising his back. This resulted in the top three joints to fall away from the derrick. The two lower joints fell toward the rig floor. The first and second joints broke loose from each other. The first joint struck an employee in the head and pinned him to the rig floor, resulting in a fatality. The second joint penetrated the rig floor coming to rest near the shale shaker below the rig floor. The well was secured and emergency procedures initiated.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
Matagorda Island Block 0555 G03079 Structure C Enron O & G Co.	94-02-26 Jackup	Injury 75	Drilling Tongs Drilling Development Well	0 0.0
West Cameron Block 0071 00244 Structure No. 7 Jenney Oil Co. Inc.	94-03-07 Steel Tower	Injury 39 Miscellaneous Equipment Failure	Production Workover	0 3 0.0

Remarks:

While in the process of unlatching make-up tongs, a roustabout for Global Marine caught his hand between the make-up and brake-out tongs causing a cut and a smashed index finger.

Remarks:

While crew were rigging upon well No. 7 with 20 feet of 1502 chicksan and a 2.65-inch H.P. hose, the hose was connected to the dual choke manifold. The choke manifold was piped to the gas buster using 1502 chicksan. The 2 65-inch hose ruptured and broke the connection to the chicksan on the platform. The hose struck three employees. All three persons were flown to Lake Charles where they were treated then released.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
South Marsh Island Block 0099 G08684 Structure Enron Corp	94-03-15 Steel Tower	Fatality	Workover	1 2 0.0
		Removal of Back Pressure Well with pressure trapped Below it	Pulling Backpressure Valve	

Remarks:

A back-pressure valve was set in the tubing hanger of Well B-2 and the wellhead was removed. A blowout preventer (BOP) stack was then nipped up to Well B-2. While the back-pressure valve was being removed from the tubing hanger, an unexpected release of wellbore pressure occurred. The fatality apparently occurred when one of the rotary bushing inserts struck him in the chest. Additional injuries occurred as the force of the pressure release blew another man into the pipe rack and a third was injured as fluid from the wellbore was blown into his face.

Green Canyon Block 0296 G07057 Structure No. 1 Shell Offshore Inc.	94-05-14 Drill Ship Heavy Rain & T Storm	Fatality 3290 Struck by Falling or Moving Equipment	Drilling Changing Elevator Links	1 0 0.0
--	--	--	---	---------------

Remarks:

Personnel were changing out elevator links in preparation to pull the marine riser. Personnel had removed the short elevator links from the elevator to install long elevator links. Personnel had hung elevator link "A" on the elevator and were attempting to install the pin in elevator hanger to secure link "A." Other personnel were moving elevator link "B" into position to hang from the elevator hanger. Elevator link "B" was pushed into link "A" knocking link "A" loose from its hanger on the elevator. Elevator link "A" fell striking and pinning an employee to the rig floor. Personnel removed link "A" from the employee and medic performed CPR to no avail.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
High Island Block 0376 G02754 Structure Anadarko Petro Corp	94-09-26 Pipeline Clear	Injury 300	Pipeline Operation	0 1 0.0

Remarks:

A Cal Dive International diver injured his right hand when he opened a valve to flood a pipeline, and his hand was sucked to the valve due to the differential pressure. He was hung up for approximately 1 hour, 45 minutes. The nature of his injury was a cut nerve on his right index finger. To prevent a recurrence, a diffuser should be installed before operating.

Mustang Island Block 0831 G03043 Structure A Seagull Energy E & P Inc.	94-11-20 Steel Tower	Explosion 165	Production Venting Well	0 3 0.0
--	-------------------------	------------------	--------------------------------	---------------

Remarks:

At approximately 4:00 p.m., on November 20, 1994, the platform had shut in due to the A-6 well shutting in. When the Platform was brought on-line, it was discovered that the A-6 well had loaded up with water. In an effort to unload the well, personnel, on Platform A, aligned the flow of the well to the vent system while hydrocarbon production continued from Platform B continued to be processed through the high-pressure separator on Platform A. At approximately 6:00 p.m., while the well was venting, an explosion in the living quarters occurred. Three men, injured in the blast made their way from the living quarters to the second level by crawling down flare boom piping. To escape the initial area of the explosion and fire, they then proceeded down to lower deck levels, where they spent the night. They were rescued by USCG personnel and transported to Memorial Medical Center in Corpus Christi, TX, where they were treated for severe burns.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
Vermilion Block 0026 00297 Structure Union Oil Co. of Calif	94-11-22 Jackup	Fatality 306 Disregarded Standard Operating Procedure	Drilling Top Drive Unit Running Casing	1 2 0.0

Remarks:

An employee of Garber Industries was on the derrick stabbing board while running casing. A second employee, also of Garber Industries, went up to relieve him. At this time, the traveling block was coming down with a joint of casing. The top drive unit apparently struck the stabbing board, shearing the bolts and causing it to fall to the rig floor. One employee was killed and two employees received injuries.

East Cameron Block 0346 G06655 Structure A CNG Producing Co.	94-11-23 Steel Tower	Fatality 306 Fall	Maintenance Sandblasting Pot Loading Sand	1 0 0.0
--	-------------------------	-------------------------	---	---------------

Remarks:

Second deck extension used to unload equipment with upper deck crane collapsed. An employee of L&L Sandblasting was directing the filling of the sand blasting pot when the failure occurred. The employee and the equipment fell 55 feet directly into the Gulf. According to CNG personnel, the employee was wearing a work vest and was retrieved from the water within 5 minutes using a personnel basket and crane.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
High Island Block 0376 G02754 Structure A Anadarko Petro Corp	94-11-28 M/V Sage	Injury 328 Error in Judgment	Maintenance Cement Unit	0 1 0.0

Remarks:

The M/V Sage as tied to the platform and an approximately 10,000 pounds cement unit was being lowered by crane to the deck of the boat. The unit was positioned on the deck, and an employee of Pool was unhooking he slings from the unit when the unit moved for unknown reasons. The employee was pinned between the unit and the boat. His pelvis and right leg were crushed. Personnel will be cautioned to be aware of their position relevant to equipment being moved and other surrounding objects so as not to get trapped or caught in a pinch point.

High Island Block 0376 G02754 Structure A Anadarko Petro Corp.	94-11-30 Steel Tower	Injury 328 Error in Judgment	Drilling Pull Back Rope Racking Back Pipe	0 1 0.0
--	-------------------------	------------------------------------	---	---------------

Remarks:

A Pool employee, was in the derrick on the Monkey Board. He had just pulled back a stand of drill pipe and racked it in the finger. When taking the pull back rope off the pipe, he threw the rope in the fingers. The end of the rope hung up in the drill line, jerking his feet out from under him and causing him to fall. Mr. Hill had swelling in his right knee. Personnel will be cautioned to keep the pull back rope away from the fingers and the drill line.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
High Island Block 0110 G02353 Structure Texaco Exp and Prod	94-12-04 Steel Tower	Fire 40 Cause of Event Unknown	Production Generator Starling Generator	0 3 0.0

Remarks:

A flash fire occurred when a generator was being started. The cause of the fire is unknown. It extinguished itself. Three personnel received minor burns. They were transported to Lakewood Hospital in Morgan City, LA, where they received treatment and were released the same night. There was no pollution to the environment or damage to the equipment. The generator unit was shut down pending an accident investigation from Texaco.

High Island Block 0110 G02353 Structure B Texaco Exp. and Prod.	94-12-04 Steel Tower Clear	Fire 49 Poor Equipment Design or Placement	Production Generator Installing Generator	0 1 0.0
---	----------------------------------	---	---	---------------

Remarks:

During installation of a refurbished generator, the engine was started without gas exhaust lines fully extended away from the starter. A flash fire occurred after the engine start. The gas supply was shut off and the fire extinguished. A crew member was sent in for medical treatment. He was treated and returned to work the following day (light duty at shore base due to crew change).

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
South Timbalier Block 277 G10853 Structure General Atlantic Resources Inc	94-12-07	Fatality 227 Failure to Wear Safety Harness	Drilling Nippling Blowout Preventer	1 0 0.0

Remarks:

While installing One inch nipple to HCR valve, employee slipped and fell 26 feet, landing on platform deck. He was not wearing a safety harness as required by company policy.

South Pelto Block 0013 G03171 Structure Platform Zilkha Energy Development 1 Co	94-12-15 Steel Tower Clear	Injury 35	Production Pressuring Upon SCSSV	0 1 0.0
---	----------------------------------	--------------	---	---------------

Remarks:

On December 14, 1994, at 11.25 a.m., Well No. 7 shut-in. The fuel gas regulator had frozen; therefore the supply gas was lost on the structure. A secondary supply was set up, the safety panel was checked, and the SCSSV was pumped up on to try to bring the well back on production The SCSSV did not open. The tree valves were closed, the flowline bled down, die downstream flowline block valve closed, and pressure was vented to a tank. The hammer cap on the tree above the crown valve was removed. The crown valve, manual master valve, and SSV were opened and began filling the tubing with saltwater. Due to night fall, they stopped filling the tubing with seawater, replaced the hammer cap, and closed the manual master valve and the wing SSV. At 8:20 am. on December 15, 1994 personnel returned to the platform by helicopter The fuel gas controller was repaired and a "catalytic" heater was installed on the fuel gas regulator to try to eliminate freezing problems. The pressure was bled off the tree and a saltwater hose (I 1/2-inch polyflo) was installed to continue filling the tubing with seawater. Personnel went to the safety system panel to change ESD/ Fusible loop system. The panel would not hold ESD/Fusible loop pressure. The panel outlet was removed, the system capped oil.

Pacific OCS Region

EXPLOSIONS AND FIRES

Area & Block Lease Type Facility Structure Operator	Date Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Type Fuel Type	Fatalities Injuries Spills (bbl)
6A 5374 P0188 Exxon Corporation	91-03-13	Fire	Solvent Regenerator Unknown	0 0 0.0
6C 3437 P0296 Platform Edith Union Oil Co. of Calif.	91-03-30	Fire 160	Electrical Circuit Electrical Arcs Insulation	0 0 0.0

Remarks:

The solvent regenerator was in the cool-down cycle after undergoing post-weld heat treatment. One hour later, there was an ignition of an unknown material, origin also unknown, and the upper section of the regenerator vessel began to heat rapidly. The rapid heating lead to overheating the insulation on the upper section and subsequently ignited. The fire was quickly brought under control but complete cool-down of the vessel took until 12:30 p.m..

Remarks:

An electrical heat trace on suction of No. P-3 wet oil surge pump shorted out causing arcing with insulation damaged. The arcing continued until the Circuit was de-energized. A dry chemical extinguisher was used until circuit was de-energized. The ESD system was used to shut in platform from approximately 8:16 a m. until 11:01 am on March 30, 1991

EXPLOSIONS AND FIRES

Area & Block Lease Type Facility Structure Operator	Date Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Type Fuel Type	Fatalities Injuries Spills (bbl)
6C 3337 P 0300 Platform Ellen Shell Western E&P Inc	91-06-29 Wind South, 8 mph	Fire 265	Tarps Welding Torch Sparks/Slag	0 0 0.0

Remarks:

A welder was doing some overhead cutting with a torch. Below him were stacks of polypropylene tarps being used as wind screens by a paint crew. The tarps were covered with a fire blanket but conic sparks/slag got under the fire blanket and began melting the polypropylene tarps. A firewatch immediately put the fire out by discharging one 30-pound fire extinguisher. Two tarps were partially damaged necessitating patching.

6A5374 P0188 Platform Hondo Exxon Corporation	91-11-13 49+Knot Winds	Fire 842	Production Equipment Fuel Line Leak Hot Exhaust Manifold Diesel	0 0 0.0
---	---------------------------	-------------	--	---------------

Remarks:

The diesel fire water pump started from the emergency support system. The diesel fuel leaking from No. 5 and No. 6 fuel injector connections was ignited by the exhaust manifold.

EXPLOSIONS AND FIRES

Area & Block Lease Type Facility Structure Operator	Date Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Type Fuel Type	Fatalities Injuries Spills (bbl)
6A 5374 P 0188 Exxon Corporation	91-12-20	Fire 400	Engine on Boom Float Insulation Engine Wiring Insulation	0 0 0.0

Remarks:

An employee was checking engines on the San Ynez Junior response vessel for boom deployment. He smelled an odor resembling hot electrical wiring. He then discovered that was in fact what he smelled, after shutting down the engines he saw flames. He extinguished the fire and notified supervisors.

6B 4862 P0217 Platform Grace Chevron U.S.A. Inc.	92-03-17	Fire 308	G-1A Turbine Leak From Tubing B Turbine Exhaust Temperature Process oil	0 0 0.0
--	----------	-------------	--	---------------

Remarks:

The direct cause of the accident was a leak in the tubing bundle of the heat recovery unit E- I 4A. The turbine generator exhaust from turbine G- IA supplies heat across the tubing which contains caloria Ht 41 A petroleum process oil. The flash fire was probably a result of oil on the insulation material at the elbow of exhaust.

EXPLOSIONS AND FIRES

Area & Block Lease Type Facility Structure Operator	Date Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Type Fuel Type	Fatalities Injuries Spills (bbl)
6A 5374 P0188 Platform Hondo Exxon Corporation Carbon	92-09-16	Fire 832 Diesel	West Crane Diesel Engine Exhaust System	0 0 0.0

Remarks:

Carbon buildup in the exhaust system on the west crane as the probable cause of a flame from the exhaust system. The flame was extinguished by the crane operator.

6A 5375 P0190 Platform Harmony Exxon Corporation	92-10-07	Fire 120		0 0 0.0
--	----------	-------------	--	---------------

Remarks:

The walkway from DB51 to platform Harmony shifted and cut welding oxygen/acetylene supply lines. The fire was quickly extinguished by automatic shutdown valves on the oxygen/acetylene supply lines.

EXPLOSIONS AND FIRES

Area & Block Lease Type Facility Structure Operator	Date Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Type Fuel Type	Fatalities Injuries Spills (bbl)
6A 5375 P0190 Platform Harmony Exxon Corporation	92-11-07	Fire 110	Packing Material Welder Wiring Slag Pkg Mat.	0 0 0.0

Remarks:

The welder was cutting tine tie down clip off the drill deck. Sparks ignited packing material in a nearby wooden crate. A helper extinguished the smoldering material.

6B5064 P0234 Platform Habitat Texaco Producing Inc.	92-12-29 Rain	Fire 292	Compressor 1/4-inch Stainless Tubine Spark Plugs Gas	0 0 0.0
---	------------------	-------------	---	---------------

Remarks:

A loose connection and a loose spark plug wire caused a small fire between No. 4 & No. 5 cylinders on the cooper gas compressor.

EXPLOSIONS AND FIRES

Area & Block Lease Type Facility Structure Operator	Date Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Type Fuel Type	Fatalities Injuries Spills (bbl)
SM 0332 P0441 Platform Irene Union Oil Co of Calif	93-02-26	Fire 242	Shipping Pump Motor Lower Bearing Bearing Oil	0 0 0.0

Remarks:

An oil shipping pump motor's lower bearing failed, overheated, and ignited bearing oil. The fire was extinguished and replacement unit installed.

6C3336 P0301 Platform Eureka Shell Western E&P Inc	93-03-17 Clear	Fire 780	Rag Exhaust Manifold Rag	0 0 0.0
--	-------------------	-------------	--------------------------------	---------------

Remarks:

At approximately 11:00 p.m., a rag that was left lying on top of the exhaust manifold at a Halliburton portable pump ignited. The rag was removed from the manifold and extinguished by placing the rag on the deck and stomping the fire out.

EXPLOSIONS AND FIRES

Area & Block Lease Type Facility Structure Operator	Date Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Type Fuel Type	Fatalities Injuries Spills (bbl)
6B5064 P 0234 Platform Habitat Texaco Producing Inc	93-03-28 Rain	Fire 292	Compressor ½-inch Fuel Line Exhaust on Compressor Gas	0 0 0.0

Remarks:

A ½-inch stainless steel fuel line connection vibrated loose and dripped fuel on the exhaust manifold and ignited.

6B 5064 P 0234 Platform Habitat Texaco Producing Inc.	93-05-10 Clear	Fire 292	Gas Compressor Leaking Hose Cooling Lines Leaking Coolant	0 0 0.0
---	-------------------	-------------	--	---------------

Remarks:

Antifreeze leaked from a coolant line soaking into fireproof insulation on the engine exhaust manifold piping normal. Heating of exhaust piping ignited the coolant.

EXPLOSIONS AND FIRES

Area & Block Lease Type Facility Structure Operator	Date Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Type Fuel Type	Fatalities Injuries Spills (bbl)
6B 4862 P0217 Platform Grace Chevron U S A Inc	93-06-05	Fire 318	GasTurbine Residue in Tubing B Auto Ignition Caloria Ht 43	0 0 0.0

Remarks:

An employee's hand was burned while discharging carbon dioxide into the open flange on the waste heat recovery unit. Hot liquid splashed on his hand resulting in a second-degree burn. He was treated and examined at St John's hospital and returned to work.

6A 5374 P0188 Platform Hondo Exxon Corporation	93-11-20	Fire 842	Insulation, Housing Plastic Inbell Motor Leads Inbell Motor	0 0 0.0
--	----------	-------------	---	---------------

Remarks:

The motor apparently began to bind up which caused high amperage and excess heat in the motor leads. Galley personnel observed smoke and informed operator personnel who extinguished it with a hand-held chemical extinguisher. A spare fan motor was installed and operations were resumed.

EXPLOSIONS AND FIRES

Area & Block Lease Type Facility Structure Operator	Date Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Type Fuel Type	Fatalities Injuries Spills (bbl)
SM 0464 P0450 Platform Hidalgo Chevron U S A Inc	94-03-11 Clear	Explosion 430 Disregarded Standard Operating Procedure	Production Flare KO Drum Flare Line Flare Line Pilot Light Natural Gas	0 1 0.0

Remarks:

The following events are limited to those directly associated with the incident which occurred during the preparation of the L. P. flare condensate KO drum for internal inspection.

- Inlet piping was blind flanged to isolate vessel from combustible gas sources. Outlet line to flare was not blind flanged.
- Manway was opened and air entering the vessel mixed with entrained combustible gases.
- Combustible mixture was created which ignited by the L. P. flare line pilot causing the resulting flash explosion.
- Facial burns and cuts were sustained

6B 4862 P 0217 Platform Grace Chevron U.S.A. Inc.	94-09-03 Clear	Explosion 308 Mud Return Line Ruptured	Maintenance NA Tk-6 (Wemco Unit) Electric Grinder Hydrol. Vapor	0 1 0.0
---	-------------------	---	---	---------------

Remarks:

Two Chevron operators were working the night shift. The operators were instructed by the platform supervisor, as part of their nightly duties, to work on I & M leaks on the wemco hatches tank-6 if possible. There was no formal job planning discussion on how the wemco repairs were to be performed at crew change. At approximately 12: 15 p in. on September 3, 1994, the operator decided to work on wemco hatch repairs. The head operator took a gas reading on the inside of the wemco and found there was no hydrogen sulfide or gas, and declared the area safe to work. Both operators agreed to use hand-held scrapers to smooth out the surface of the wemco door for proper sealing. The operators then determined that the hand-held scrapers were not the proper tool to use. The operators could not find an air pass powered grinder and decided to use an electric grinder with a grinding wheel, neither the head operator nor the second operator thought of making out a general work permit, hot work permit, and air testing log. During the grinding operation, apparently sufficient gas vapors had built up, sparks ignited the vapors and caused a brief flash fire with no residual fire or residue. The employee suffered second-degree burns to left side of his head and neck.

EXPLOSIONS AND FIRES

Area & Block Lease Type Facility Structure Operator	Date Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Fuel Source Ignition Type Fuel Type	Fatalities Injuries Spills (bbl)
6A 5585 P 0315 Platform Harvest Texaco Producing Inc	94-09-22 Clear, Daylight	Fire 675		0 0 0.0

Remarks:

On September 22, 1994, at 4:15 p.m. sales gas compressor "B" dumped halon and shut down Initial investigation indicates a Fire occurred on the exhaust collector insulation blanket. The blanket was oil-soaked with R& O seal oil which is believed to have traveled from the power turbine shall onto the blanket. Heat from the exhaust ignited the oil causing a 2-square-foot area to burn.

**SIGNIFICANT POLLUTION INCIDENTS
50 BBL (2100 GAL) OR MORE**

Area Block Lease No. Structure Operator	Date Duration (days) Type Facility	Type Accident Water Depth (ft) Primary Cause	Equipment Involved Spill Source Type Spill	Fatalities Injuries Spills (bbl)
6B4658 P0216 Platform Gina Union Oil Co of Calif	94-05-10 17mph Wind, NW	Spill 90 Pipeline Ruptured	Production NA Riser to Pipeline Crude	0 0 50.0

Remarks:

While the crew was grappling for an anchor chain buoy, the workboat snagged and damaged the pipeline.

6B 5163 P0166 Platform Hogan Pacific Operators Inc.	94-12-17 Calm	Spill 150 Blocked Control	Production NA Disposal Tank Crude	0 0 50.0
---	------------------	---------------------------------	--	----------------

Remarks:

The operator overrode emergency shutdown system pneumatic safety devices in an attempt to correct an apparent leak in the pneumatic control system. Although the operator bypassed the air controller to maintain sufficient air pressure to the pneumatic control system, he was unsuccessful in detecting the cause of the leak. Believing that he had made a "quick fix" to compensate for the original problem, he left the emergency shutdown system override in effect until assistance could arrive on the morning shift. Subsequently, the emulsion shipping pump was electrically shut down due to an apparent process pressure imbalance. Emulsion production continued, leading to a series of process upsets that resulted in overflow of emulsion from the surge tank to the settling tank and eventually to the disposal tube. The operator did not respond to process alarms for reasons unknown.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
6B 4661 P 0205 Platform Gail Chevron U S A Inc	91-01-07 Calm and Clear	Vessel Mishap 739	Production Operations	0 1 0.0

Remarks:

The fishing vessel "Trionfo" ran into the south side of the platform. Vessel operator said he blacked out 1 mile from the platform and came to after hitting the facility.

SM 0332 P 0441 Platform Irene Union Oil Co. of Calif.	91-01-20 Daylight, Clear	Equipment Failure 242	Impact Wrench Loading Pig Launcher	0 1 0.0
---	-----------------------------	--------------------------	---------------------------------------	---------------

Remarks:

While the crew was using the impact wrench to open the door of the pig launcher, an air hose on the impact wrench blew apart at the connection. In an attempt to dodge the hose, an employee as struck behind the left ear. This movement caused his right knee to become trapped between the two pipes and continuing motion caused damage to the knee.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
6A 5585 P0315 Platform Harvest Texaco Producing Inc.	91-02-28	Injury 675	Electrical Routine Maintenance	0 1 0.0
6B4862 P 0217 Platform Grace Chevron U.S.A. Inc.	91-02-28 Rain, SE Wind 20mph	Injury 308	Ladder on South Crane Operating Crane	0 1 0.0

Remarks:

An instrument technician was disconnecting wires from a temperature switch and was shocked. The switch was electrically locked out, but wires were still hot due to a faulty switch on the panel. The technician jumped back and hit his back on the compressor causing a lower back injury.

Remarks:

An employee was climbing down from crane controls and slipped and fell approximately 5-6 feet landing on the left foot.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
6B5163 P 0166 Platform Hogan Pacific Operators Inc	91-03-11 WNW Wind 20+ mph	Injury 150	Workover Rig Workover	0 1 0.0

Remarks:

The hammer union at the bottom of the 3-foot riser hung up causing the nylon strap sling to break and the rod table to strike the employee when it fell hitting him on the front of his hard hat and pushing him backwards into the handrails.

6A 5584 P0316 Platform Hermosa Chevron U S.A. Inc	91-04-29 Wind 35K	Injury 603	Crane Pre-production Operation	0 1 0.0
---	----------------------	---------------	-----------------------------------	---------------

Remarks:

A welder with three other CCI hands were up in the rafters. There was radio communication with the crane operator. The load was a stainless steel tank. The workers were on the windward side of the platform. While the load was lowered, it came to a stop. One corner was just resting on a 1-inch conduit. One employee reached under the load to move the conduit and winds (35K) pushed it off. When the employee removed his hand the wind blew it (the load) inward and pinched his hand on a valve. At that moment the crane operator *was* called to lift the load and he did.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
6A 5585 P0315 Platform Harvest Texaco Producing Inc	91-06-16	Injury 675	Routine Maintenance	0 1 0.0
6B5164 P 0240 Platform Hillhouse Union Oil Co. of Calif	91-07-02 Clear	Injury 189	Ladder on Test Separator Walking Between Prod. Eq.	0 1 0.0

Remarks:

A Texaco Employee's foot slipped while he was climbing down from the vapor recovery compressor. He caught himself with his hands and injured his right wrist.

Remarks:

The injured employee slipped on a small puddle of water while walking between production equipment (gas compressor and test separator).

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
6A 5585 P0315 Platform Harvest Texaco Producing Inc	91-07-11	Injury	Routine Operations	0 1 0.0

Remarks:

A Texaco employee slipped and fell down several stair steps when entering the platform from the heliport. The employee had a scrape below his left scapula and pain to left shoulder. A few hours later, pain became worse and neck began hurting. The employee was sent to Goleta Valley hospital where doctors said that he would miss work for at least 10 days.

6B 4862 P0217 Platform Grace Chevron U.S.A. Inc.	91-09-12	Injury 308	Pump Production Operations	0 1 0.0
--	----------	---------------	-------------------------------	---------------

Remarks:

The beckman volt ohm meter probes were incorrectly inserted in the meter which resulted in a 480-volt short circuit when the probes were applied to the terminals. An employee received first- and second-degree burns on hands and forearms and first-degree burns on face and neck as a result of the short circuit.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
6A 5585 P 315 Platform Harvest Texaco Producing Inc	91-11-04 Clear	Injury 675	Walking Through Doorway	0 1 0.0

Remarks:

Employee entered the building from the outside area and slipped on the floor. Water located on the outside floor was tracked into the hallway causing the employee to slip and fall on backside.

SM 0565 P0450 Platform Hidalgo Chevron U.S.A. Inc.	91-12-06 Clear, Wind 10-15 NW	Injury 430	Hydroblaster Hydroblasting Sea Growth	0 1 0.0
--	----------------------------------	---------------	--	---------------

Remarks:

While waterblasting sea growth from platform legs, a diver inadvertently passed the waterblaster across his right foot causing a deep laceration. The diver was medivaced to Goleta Valley hospital.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
6A5374 P0188 Platform Hondo Exxon Corporation	91-12-12	Injury	Storing Groceries	0 1 0.0

Remarks:

While putting away groceries, an employee was transporting a box of canned goods from the kitchen floor to the shelf in the adjacent pantry which involved entering through a doorway with a twisting motion, resulting in pain to the right groin. This resulted in an inguinal hernia on employee's right side.

6B 5165 P 0241 Platform B Union Oil Co. of Calif.	92-01-22 NA	Injury 200 Poor Equipment Design or Placement	Workover Hydraulic Cable Spooler Workover	0 1 0.0
---	----------------	--	---	---------------

Remarks:

While conducting workover operations to change out the electrical submersible pump on well B-28, an employee was rigging up the cable spooler to remove the electrical cable from the well. The hydraulic unit was used while an attempt was made to insert the pin with the right hand. The coupling rotated with the pin partially inserted and severed the employee's middle finger at the second knuckle on his right hand.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
6A 5374 P 0315 Platform Hondo Exxon Corporation	92-06-11	Injury 842	3/8-Inch Gasline Sandblasting	0 1 0.0

Remarks:

A 3/8-inch stainless steel gasline somehow slipped out of the union connector nut, flooding the work area with hydrogen sulfide. The area was tarped off and three sandblasters were working in the area making it ready for painting. Two of the sandblasters were able to vacate the area and the third sandblaster's hose became entangled and he could not get out of the area. He could have gone back to untangle his airhose, but he chose instead to remove his hood and run for it. he became nauseated and was transported to Goleta hospital. The doctor checked him and he was cleared to return to work.

6A 5585 P0315 Platform 1 Harvest Texaco Producing Inc.	92-06-11 NA	Injury 675 Error in Judgment	NA Routine Maintenance	0 1 0.0
--	----------------	------------------------------------	---------------------------	---------------

Remarks:

Texaco employee was trying to loosen an actuator with a 48-inch pipe wrench to pull it off. The actuator turned a little and then flipped over 180 degrees and struck the employee with the wheel handle on the right hand. It was later discovered that the valve was still under pressure. The result was a broken right hand.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
6A 5585 P 0315 Platform Harvest Texaco Producing Inc.	92-06-30	Injury 675	Welding	0 1 0.0

Remarks:

A task required a Veco Employee to position himself in such a way that he had to support his weight using one arm, back and stomach muscles. Employee reports that symptoms occurred 2-3 days after situation. Back strain

6B 4862 P 0217 Platform Grace Chevron U.S.A. Inc.	92-08-11 Cloudy	Injury 308	Tig Air Hacksaw Removing Valve	0 1 0.0
---	--------------------	---------------	-----------------------------------	---------------

Remarks:

A hacksaw blade broke while an employee was cutting bolts on the cooling water system valve in order to replace it. The employee was in the process of changing the hacksaw blade when the air hacksaw turned on and resulted in an injury to his right hand.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
6A 5374 P 0188 Platform Hondo Exxon Corporation	92-10-28	Injury 842	Light Water Tank Production Operations	0 1 0.0
SM 0032 P 0441 Platform Irene Union Oil Co. of Calif.	92-11-08 Foggy, Wind 10K	Injury 242	Smart Pig & Cart Pipeline Pigging Oper.	0 1 0.0

Remarks:

Employee was attempting to move a heavy tank a short distance by pushing the tank. The employee was close to the deck area to engage the tank which was 24+ inches in height when his right foot slipped. Employee twisted his back and fell when his foot slipped.

Remarks:

A roustabout was pushing the oil smart pig on a carrying cart cradle from one location to another and strained his lower back on the right side.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
6B 4861 P 0126 Platform Gilda Union Oil of Calif.	92-12-08	Injury 205	Personnel Basket Boarding Platform	0 1 0.0
6A 5375 P 0190 Platform Harmony Exxon Corporation	92-12-27	Injury 120	Carrying Turkey	0 1 0.0

Remarks:

While an employee was boarding the personnel basket for transfer from the crew boat to the platform, the rope in the basket became slack and the employee fell on his buttocks injuring his back.

Remarks:

While carrying a turkey in a large pan, employee tripped on the floor mat and twisted an ankle.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
SM 0332 P 0441 Platform Irene Union Oil Co. of Calif.	92-12-31 Clear, Daylight	Injury 242	Routine Operations	0 1 0.0

Remarks:

The A-18 well head was temporarily set in well bay 2 using ropes and guide lines. An employee was inspecting well bay 2 when he tripped over a guide line and fell, resulting in a wrenched back.

6B 5165 P 0241 Platform B Union Oil Co. of Calif.	93-01-11 Clear	Fatality 200 Struck by Falling or Moving Equipment	Drilling North Crane Moving Whipstock Tool	1 0 0.0
---	-------------------	---	--	---------------

Remarks:

The Whipstock assembly was on the catwalk prior to crew change. The whipstock was double choked with nylon slings on both ends. The employee attempted to cross from one side to the other, crossing under the hoisted end of the whipstock tool. The nylon sling at this point in time parted and fell on the employee. Improper location of the air tugger, relative to the standing pipe in the derrick obstructed the view of the operator.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
6A 5277 P 0182 Platform Heritage Exxon Corporation	93-02-25 Calm	Injury 107 Employee Negligence	Production NA Insulation of Pipe Penet	0 1 0.0

Remarks:

Employee was dismounting from the scaffold, took a short cut through the handrail to the mezzanine deck. He slipped and fell 16 feet to the cellar deck plate connecting A1 and C1 modules. Employee suffered multiple fractures to the pelvis.

SM 0464 P 0450 Platform Hidalgo Chevron U.S.A. Inc.	93-03-16 Clear, Wind 10 mph	Injury 430	Low Press. Flare Cond. Cleaning BOP Stack	0 1 0.0
---	--------------------------------	---------------	--	---------------

Remarks:

While employee was washing down the BOP, the board used for scaffolding slipped, causing the employee to fall. The safety line caught him but the momentum of the fall banged him into the BOP. Injuries included muscle spasms in back and neck.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
6A 5584 P 0316 Platform Hermosa Chevron U.S.A. Inc.	93-06-09 Clear Day, Wind 15K	Injury 603	Whittaker Hoist Lifeboat Cable Replacement	0 1 0.0

Remarks:

While finalizing a cable replacement on the N/E lift boat, an employee was attempting to maintain downward tension with his left hand on the newly spooled cable to prevent spooling misalignment. The cable became taunt and his finger was pinched between the thimble end of the cable and the “D” ring shackle causing a left index finger distal end break.

6A5375 P 0190 Platform Harmony Exxon Corporation	93-06-11	Injury 120	Boxed Pry Bars Storing, Relocating Tools	0 1 0.0
--	----------	---------------	---	---------------

Remarks:

While employee was storing supplies, a box of pry bars (total 70 lbs.) which had been freestanding against the wall of the storage shed, fell on him. He either bumped or tripped causing the box to fall upon him as he was bending over to store cans in a lower storage space. The bars struck the employee in the neck and shoulder area. Employee was transferred immediately to Goleta Valley Hospital.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
6A 5277 P 0182 Platform Heritage Exxon Corporation	93-07-13 NA	Injury 107 Struck by Falling or Moving Equipment	Production Crane & Conductor Driving Conductor Casing	0 1 0.0

Remarks:

While an employee was adding another conductor point to the drive string, the additional weight caused the string to drop 3 feet. The crane was still shackled to the add-on joint. As the string dropped, the add-on joint erratically shifted and swung trapping the employee's foot between the conductor and a support beam. Employee suffered two broken bones in the left leg, one break in the ankle and one break between the ankle and the knee.

SM 0464 P0450 Platform Hidalgo Chevron U S A Inc	94-03-11 Clear	Explosion 430 Disregarded Standard Operating Procedure	Production Flare KO Drum Flare KO Drum Inspection	0 1 0.0
--	-------------------	---	---	---------------

Remarks:

The following events are limited to those directly associated with the incident which occurred during the preparation of the L. P. flare condensate KO drum for internal inspection.

- Inlet piping was blind flanged to isolate vessel from combustible gas sources. Outlet line to flare was not blind flanged.
- Manway was opened and air entering the vessel mixed with entrained combustible gases.
- Combustible mixture was created which ignited by the L. P. flare line pilot causing the resulting flash explosion.
- Facial burns and cuts were sustained

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
6A 5375 P 0182 Platform Heritage Exxon Corporation	94-03-28 Calm, Wind 2mph, SW	Fatality 107 Electrocution	Drilling Switch Gear Box Maintenance	1 0 0.0

Remarks:

The Electrical Senior Technician was electrocuted while doing preventive maintenance on a switchgear. The two helpers were with him. Immediate CPR was administered. Medics provided medical assistance and the victim was airlifted by helicopter to Goleta Hospital at 9:25 a.m.

SM 0332M P 0441 Platform Irene Union Oil Co. of Calif.	94-04-12 Clear	Injury 242 Disregarded Standard Operating Procedure	Production NA Cargo handling	0 1 0.0
--	-------------------	--	------------------------------------	---------------

Remarks:

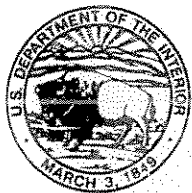
At approximately 4:59 p.m. on April 12, 1994, a sand pot was being lowered from the production deck to the subdeck (approx. 20 ft) by the north crane. A Section of the handrail had been removed on the subdeck to facilitate this operation. A lead roustabout from Wagley Offshore was on the subdeck alone, and was physically trying to pull the heavy sand pot by a tag line and give directions to the crane operator by way of hand-held radio. The crane operator was in no position to see any of the lift being performed. The eight of the heavy pot apparently pulled the employee through the missing handrail area and he fell into the water from approximately 40 feet. He was subsequently rescued by emergency evacuation whittaker after being in the water from 7 to 10 minutes. Corrective action: All personnel performing this task will be required to wear safety belts.

INJURIES AND FATALITIES

Area Block Lease No. Structure Operator	Date Type Facility Weather	Type Accident Water Depth (ft) Primary Cause	Type Operation Equipment Involved Activity at Accident	Fatalities Injuries Spills (bbl)
6B 4862 P 0217 Platform Grace Chevron U.S.A. Inc.	94-09-03 Clear	Explosion 308 Mud Return Line Ruptured	Maintenance NA Sanding Grinding Door	0 1 0.0

Remarks:

Two Chevron operators were working the night shift. The operators were instructed by the platform supervisor, as part of their nightly duties, to work on I & M leaks on the wemco hatches tank-6 if possible. There was no formal job planning discussion on how the wemco repairs were to be performed at crew change. At approximately 12: 15 p in. on September 3, 1994, the operator decided to work on wemco hatch repairs. The head operator took a gas reading on the inside of the wemco and found there was no hydrogen sulfide or gas, and declared the area safe to work. Both operators agreed to use hand-held scrapers to smooth out the surface of the wemco door for proper sealing. The operators then determined that the hand-held scrapers were not the proper tool to use. The operators could not find an air pass powered grinder and decided to use an electric grinder with a grinding wheel, neither the head operator nor the second operator thought of making out a general work permit, hot work permit, and air testing log. During the grinding operation, apparently sufficient gas vapors had built up, sparks ignited the vapors and caused a brief flash fire with no residual fire or residue. The employee suffered second-degree burns to left side of his head and neck.



The Department of the Interior Mission

As the Nation's principal conservation agency, the Department of the Interior has responsibility for most of our nationally owned public lands and natural resources. This includes fostering sound use of our land and water resources; protecting our fish, wildlife, and biological diversity; preserving the environmental and cultural values of our national parks and historical places; and providing for the enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to ensure that their development is in the best interests of all our people by encouraging stewardship and citizen participation in their care. The Department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.



The Minerals Management Service Mission

As a bureau of the Department of the Interior, the Minerals Management Service's (MMS) primary responsibilities are to manage the mineral resources located on the Nation's Outer Continental Shelf (OCS), collect revenue from the Federal OCS and onshore Federal and Indian lands, and distribute those revenues.

Moreover, in working to meet its responsibilities, the Offshore Minerals Management Program administers the OCS competitive leasing program and oversees the safe and environmentally sound exploration and production of our Nation's offshore natural gas, oil and other mineral resources. The MMS Royalty Management Program meets its responsibilities by ensuring the efficient, timely and accurate collection and disbursement of revenue from mineral leasing and production due to Indian tribes and allottees, States and the U.S. Treasury.

The MMS strives to fulfill its responsibilities through the general guiding principles of: (1) being responsive to the public's concerns and interests by maintaining a dialogue with all potentially affected parties and (2) carrying out its programs with an emphasis on working to enhance the quality of life for all Americans by lending MMS assistance and expertise to economic development and environmental protection.