

Application for Permit to Modify (APM)

Lease P00216	Area LA	Block 6862	Well Name S024	ST 00	BP 00	Type Development
Application Status Approved		Operator 02531 DCOR, L.L.C.				
Pay.gov Amount: \$125.00		Agency Tracking ID: EWL-APM-190641		Pay.gov Tracking ID: 2608CRGL		
General Information						
API 043112056600		Approval Dt 01-FEB-2017		Approved By John Kaiser		
Submitted Dt 23-JAN-2017		Well Status Completed		Water Depth 205		
Surface Lease P00216		Area LA		Block		6862
Approval Comments						
COAs: 1-Notify the Permitting Section at least 24 hours in advance of beginning these approved operations. 2-Weekly WAR report is to be submitted in eWells no later than noon on Wednesday.						
Correction Narrative						
Permit Primary Type Workover						
Permit Subtype(s) Artificial Lift Jet Well Change Tubing						
Operation Description Replace tubing and ESP.						
Procedural Narrative PRE-RIG OPERATIONS: . Maximum anticipated surface pressure is 1,200 psi (gas). Expected kill fluid is 11.1 ppg. Reservoir pressure is +/- 3,000 psi at 7,323' MD (5,430' TVD). 0.552 psi/ft at bottom of ESP, 10.6 ppg equivalent MW. . Circulate well to production with FSW down tubing through ESP. SI well and take pressure readings. . Notify BSEE 48 hours in advance of workover. A BSEE permit is required for this workover. 1 MIRU 1.1. MIRU. Test H2S equipment and cascade systems on rig floor. 1.2. Verify well is locked and tagged out. 1.3. Pressure test tree bonnet and/or between seals on tubing hanger to 3,000 psi. 1.4. Check tubing and casing pressure. Bleed off gas pressure and proceed to step 2 to kill well. 2 KILL WELL 2.1. Circulate well with FSW and check tubing and casing pressure. Calculate kill weight fluid required and mix weighted fluid in mud pits using filtered seawater. Treat all fluids with scale inhibitor and biocide. 2.2. Displace kill fluid down tubing using PZ-9. Restrict kill rates to avoid pumping fluids into formation while circulating. Notify Lead Operator 4 hours in advance of kill procedure. Take returns through choke manifold to 500 bbl tank using Wait-and-Weight Method. Have 500 bbl tank plumbed to production drain system to drain well fluid from tank while killing well.						

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3 ND PRODUCTION TREE, NU AND TEST BOP

- 3.1. With well dead, install BPV.
- 3.2. ND production tree. Inspect tubing hanger lock down screws. Change out hanger lock down screws if necessary. If needed, send tree to Cameron for inspection.
- 3.3. Check tubing hanger joint threads with short 2-7/8" EUE pup joint. Visually examine the wellhead components. Install cap on feed through mandrel.
- 3.4. NU and test Class III 5M BOPE to 250 psi low / 2,500 psi high (annular and double gate) against 2-7/8" tubing per BSEE requirements.

4 PULL OLD COMPLETION

- 4.1. MU landing joints w/ FOSV into tubing hanger. Circulate well down tubing. Shut down pump and check pressures to be static.
- 4.2. Close annular and back out lock down screws. Backout hanger alignment pins (caught clamps in 2012).
- 4.3. Shear Baker Twin Seal packer by stripping through annular. Monitor well for pressure.
- 4.4. LD tubing hanger. Remove BPV.
- 4.5. Install FOSV and circulation head. Circulate well back to pits. SD pump and monitor well.
- 4.6. RU spoolers and sheaves. POOH w/ tubing, cable and control line to packer. LD packer.
- 4.7. Send all completion equipment to Baker Hughes in Bakersfield (Ventura shop closed).
- 4.8. Install FOSV and circulation head. Close annular and circulate hole volume through choke back to pits.
- 4.9. Shut down pump. Open annular preventer and observe well to ensure static conditions.
- 4.10. POOH w/ 2-7/8" tubing, cable, chemical line and ESP. Lay down the old production tubing. Keep hole full at all times. Cannon clamps were used on the last workover in 2012. Set aside clamps for reuse, note condition if poor. Stand back ~720' (8 stds) for cleanout run.

5 RUN NEW TUBING AND 9-5/8" SCRAPER

- 5.1. PU and RIH with new 2-7/8" N-80/P-110 (15-17 jts for above packer) EUE tubing with 9-5/8" scraper.
- 5.2. Tag 7" liner top at 7,358'. Circulate well as needed.
- 5.3. POOH standing back new tubing. LD scraper.

6 JET WASH AND CLEANOUT 7" LINER

- 6.1. PU and RIH with 7" Hyper Scratcher(Sinclair) and all weight scraper.
- 6.2. RIH and tag fill inside liner. Last tag depth 7,848' on 7/12/2012 with 2-7/8" STC.
- 6.3. Work Hyper Scratcher tool up and down twice each stand (4 passes) while pumping ~3 BPM down tubing while taking returns up casing. Use same kill weight brine as the pumping fluid. Adjust pump rate and pulling speed per Sinclair recommendations. Do not wash above top of screen at 7,422' (wash from fill depth up to 7,422').
- 6.4. POOH and laydown tools and excess tubing.

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6.5. Consider additional cleanout run if tagging fill >7,830' to remove fill and possible fallback from jetting.

7 RUN ESP

7.1. RU to run Baker completion equipment, 1 x 3/8" chemical line to motor intake and 1 x 1/4" control line to SCSSSV and vent valve. Test control lines.

7.2. MU new ESP and RIH. Plan to set bottom of motor at +/- 7,340' (~30' above 7" liner). Install cannon clamps at each tubing collar and bands at each mid joint. Test cable every 20 stands, phase-to-phase and phase-to-ground. Install chemical injection line with check valve at pump intake.

7.3. RU tubing testers. Continue running in hole with 2-7/8" production tubing, hydro testing tubing to 5000 psig. Run P-110 tubing above packer, N-80 below packer.

7.4. MU SCSSSV, surface packer and vent valve. Splice electric line. Pressure test SCSSSV and vent valve. RIH w/ remaining tubing and hydro test to 5,000 psi. Place surface packer at +/- 550'.

7.5. Install plug onto ESP cable. Install feed through mandrel and test connections. Ensure electrical feed through is protected and kept dry. Obtain BSEE variance for cable soldering 24 hours in advance. Complete Hot Work Permit. Strap all completion equipment and prepare tubing detail.

7.6. Drain stack. Land hanger using caution to avoid torn seal elements. Install BPV. Run in lock down screws. Fill stack. Test lower seals on tubing hanger against pipe rams to 3,000 psig for 10 charted minutes.

7.7. Check well for pressure and back out landing joints.

8 ND BOPE AND NU TREE

8.1. ND diverter, BOP and riser.

8.2. NU and test production tree to 3,000 psig.

8.3. Install pig tail and hub clamp on production tree.

8.4. Pull BPV.

8.5. Pressure annular vent valve and SCSSSV open for 15 minutes.

8.6. If Production Operations is ready, run ESP to confirm correct rotation and operation for 2 hours. Record tubing pressure. Shut down ESP. In the event that Production Operations is not ready to run the ESP then continue on with finishing workover.

9 SET PACKER

9.1. MU landing joints into tree. RU wireline and pressure test lubricator and lines to 3,000 psig.

9.2. Set tubing plug above SCSSSV.

9.3. As per Baker Hughes representative's direction; Pressure up in increments to set packer.

9.4. Bleed pressure and pull tubing plug.

9.5. RD wireline and have production test vent valve and SCSSSV.

9.6. Turn well over to production.

10 RDMO

10.1. Prepare rig for skidding to next well or demobe off platform pending schedule.

Subsurface Safety Valve

Type Installed SCSSV

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Feet below Mudline 248
Maximum Anticipated Surface Pressure (psi)
Shut-In Tubing Pressure (psi) 1200

Rig Information

Name	Id	Type	ABS Date	Coast Guard Date
DCOR RIG #10	44501	PLATFORM		

Blowout Preventers

Preventer	Size	Working Pressure	--- Test Pressure ---	
			Low	High
Rams	2.875	5000	250	2500
Annular		3000	250	2500

Date Commencing Work (mm/dd/yyyy) 06-FEB-2017

Estimated duration of the operation (days) 8

Verbal Approval Information

Official	Date (mm/dd/yyyy)
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Questions

Number	Question	Response	Response Text
1	Is H2S present in the well? If yes, then comment on the inclusion of a Contingency Plan for this operation.	NO	
2	Is this proposed operation the only lease holding activity for the subject lease? If yes, then comment.	NO	
3	Will all wells in the well bay and related production equipment be shut-in when moving on to or off of an offshore platform, or from well to well on the platform? If not, please explain.	NO	SOLID STEEL DECK BETWEEN DRILL DECK AND WELLBAY.
4	Are you downhole commingling two or more reservoirs?	N/A	
5	Will the completed interval be within 500 feet of a lease or unit boundary line? If yes, then comment.	NO	
6	For permanent abandonment, will casings be cut 15 feet below the mudline? If no, then comment.	N/A	
7	Will the proposed operation be covered by an EPA Discharge Permit? (Please provide permit number in comments for this question)	NO	

ATTACHMENTS

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File Type	File Description
pdf	Proposed Wellbore Schematic
pdf	Current Wellbore Schematic
pdf	Rig/Coil Tubing/Snubbing Unit BOP Schematic
pdf	S-24 Alternate Procedures
pdf	S-24 Well Information
pdf	Variance for Workover
pdf	Gilda S-24 APM Public Information
pdf	S-24 Workover Procedure

CONTACTS

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CERTIFICATION: I certify that information submitted is complete and accurate to the best of my knowledge. I understand that making a false statement may subject me to a

Name and Title

Date

Jimilyn Summers, Well Operations Technicia

24-JAN-2017

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PAPERWORK REDUCTION ACT OF 1995 (PRA) STATEMENT: The PRA (44 U.S.C. 3501 et seq. Requires us to inform you that we collect this information to obtain knowledge of equipment and procedures to be used in drilling operations. MMS uses the information to evaluate and approve or disapprove the adequacy of the equipment and/or procedures to safely perform the proposed drilling operation. Responses are mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.196. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number. Public reporting burden for this form is estimated to average 11/4 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Mail Stop 4230, Minerals Management Service, 1849 C Street, N.W., Washington, DC 20240.