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R (1001) 2004) 2 2013	UNITED STATES DEPARTMENT OF THE 1	O INTERIOR	CD Artesia		FORM APPROVED OM B No. 1004-0137 Expires: March 31, 2007
MAR 08 LOIN I	JUREAU OF LAND	GEMENT		5. Lease Ser	al No. MLC 069627A
NMOCD AR DONDRY abandoned we	is form for proposals to ell. Use Form 3160-3 (A	drill or to re-en PD) for such prop	L5 hter an hosals.	6. If India	a, Allottee or Tribe Name
SUBMIT IN TRIPLICATE- Other instructions on reverse side.			7. If Unit o	r CA/Agreement, Name and/or No.	
		Poker Lake Unit NMNM 71016X			
2. Name of Operator	2. Name of Operator popero L. p.			8. Well Na Poker	me and No. Lake Unit 364H
3a Address	BOPCO, L. P. 3a Address 3b Phone No. (include area code)			9. API W 30-015	ell No. - 40800
P. O. Box 2760 Midland, TX 7	/9702	432-683-2277		10. Field ar	d Pool, or Exploratory Area
 Location of Well (<i>Pootage</i>, Sec., 1 SWNE, UL G, 2550' FNL, 160 1500' FSL, 300' FEL, Sec 29, 1 	"., R. M., or Survey Description) 0' FEL, Sec 33, T24S-R30E, La 124S-R30E, Lat:N32.185394, Lo	t:N32.174344, Long:W ong:W103.89531	103.388219	11. County Eddy,	or Parish, State
12. CHECK AI	PROPRIATE BOX(ES) TO I	NDICATE NATURE	OF NOTICE, RI	EPORT, OI	ROTHER DATA
TYPE OF SUBMISSION		TYPE	OF ACTION		
Notice of Intent	Acidize	Deepen Fracture Treat	Production (Sta Reclamation	rt/Resume)	Water Shut-Off
Final Abandonment Notice	Change Plans	Plug and Abandon Plug Back	Temporarily Ab	andon	
determined that the site is ready BOPCO, L.P. respectfully casing. Please see attached	for final inspection.) requests changes to the 8 pt. dr i summary of BOPCO, L.P.'s r	illing program so that evised planed and oil b	oil based mud can ased mud continge	be utilized to ncy plan.	drill out from the surface
Attachments: 1) Drilling plan changes 2) Oil based mud safety co 3) Wellbore diagram 4) Well borg diagramspand	ntingency plan -MW-corves-for-yfellythat-wei	edratic distants two castr	द्वि s trings and OBM	F	NMOCD Tes
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Approved by Conditions of approval, if any, are a certify that the applicant holds legal which would entitle the applicant to Title 18 U.S.C. Section 1001 and Title States any false, fictitious or fraudule (Instructions on page 2)	TACHED FOR TIONS OF APPRO going is true and correct <u>Broden</u> THIS SPACE FOR F Fenandez ttached. Approval of this notice do or equitable title to those rights in conduct operations thereon. 43 U.S.C. Section 1212, make it a context statements or representations as	VAL Title Eng Date EDERAL OR ST Tit Des not warrant or the subject lease Off Trime for any person know to any matter within its j	gineering Assistant $2 - \partial B - 13$ ATE OFFICE TROLEUN ice wingly and willfully t urisdiction.	USE VIENC	APPRUVL PREAD OF LAND MANAGEMENT DUREAU OF LAND MANAGEMENT DUREAU DUREAU OF LAND MANAGEMENT DUREAU DURE

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BOPCO, L.P. respectfully requests permission to amend the casing program for Poker Lake Unit #364H to eliminate the salt isolation casing string. This will be accomplished by drilling a 12-1/4" surface hole and setting a 9-5/8", 40 ppf, J-55, LT&C surface string at approximately 840'. The 9-5/8" surface casing will be cemented to surface.

BOPCO, L.P. requests permission to amend the drilling mud program BELOW THE SURFACE CASING for Poker Lake Unit #364H. The 9-5/8" surface casing shoe will be drilled out with and 8-3/4" bit using an oil-based mud (OBM) system. The 8-3/4" hole will be drilled to an approximate depth of 7,587' MD (7,384' TVD) and the hole size reduced to 6-1/8" for the remainder of the wellbore. A tapered 7" LTC x 4-1/2" BTC/LTC production string will be run and the 7" portion of the production string will be cemented to surface.

BOPCO, L.P. will have auxiliary equipment in place and a 24 hour mud engineer to minimize the risk of an OBM spill. In the event of a spill while drilling OBM BOPCO, L.P. has a spill contingency plan that is attached.

Revised Casing Program:

Туре	Interval (MD)	Hole Size
20" (already set)	0-120'	26"
9-5/8", 40 ppf, N-80, 8rd, LTC or	0-840'	12-1/4"
9-5/8", 40 ppf, J-55, 8rd, LTC		
7", 26 ppf, N-80, Buttress or 8rd LTC	0-7,587'	8-3/4"
4-1/2", 11.6 ppf, HCP-110, Buttress or 8rd	1 LTC 7,587' – 12,858'	6-1/8"
Casing Program Safety Factors:		
Type	vion Collonge	Burgt

Туре	Tension	Collapse	Burst				
9-5/8", 40 ppf, N-80, 8rd, LTC	21.93	7.59	2.91				
9-5/8", 40 ppf, J-55, 8rd, LTC	18.75	6.30	2.00				
**7" casing and $4-1/2$ " completion system safety factors remain unchanged							

completion system safety

Cementing Program: Please see below for updates to cement program

9-5/8" Surface (100% excess)

Lead Volume: **/38** sKs Lead Details: 13.5 ppg, 1.74 ft3/sk yield, H2O 9.14 gal/sk Top of Lead: Surface

Lead Slurry: Class "C" Cement: 4% Bentonite + 2% Calcium Chloride + 0.125 lb/sk Celloflake + 0.25 lb/sk Defoamer

Tail Volume: 233 5Ks Tail Details: 14.8 ppg, 1.68 ft3/sk yield, H2O 6.3 gal/sk Top of Tail: 350' TOC: Surface

Tail Slurry: Class "C" Cement 1% Calcium Chloride + 0.125 lb/sk Celloflake + 0.25 lb/sk + 0.5 lb/skDefoamer

7" 1st Intermediate (caliper log hole volume + 30% excess)

1st Stage

Lead Volume: 140 sacks Lead Details: 10.5 ppg, 2.96 ft3/sk yield, H2O 15.86 gal/sk Top of Lead: +/- 5,000' (DV Tool)

Lead Slurry: Tuned Light Cement + 0.75 lbm/sk CFR-3 + 1.5 lbm/sk Salt + 0.25 lbm/sk Poly-E-Flake

Tail Volume: 100 sacks Tail Details: 12 ppg, 2.02 ft3/sk yield, H2O 11.43 gal/sk Top of Tail: 6,848' (KOP)

Tail Slurry: VariCem H + 0.5% Halad-344 + 0.2% CFR-3

2nd Stage

Lead Volume: 344 sacks Lead Details: 10.5 ppg, 2.96 ft3/sk yield, H2O 15.86 gal/sk TOC: Surface

Lead Slurry: Tuned Light + 0.3 lb/sk CFR-3 + 1 lb/sk Salt + 0.125 lb/sk Pol-E-Flake

Tail Volume: 100 sacks Tail Details: 12 ppg, 2.03 ft3/sk yield, H2O 11.47 gal/sk Top of Tail: 4,500'

Tail Slurry: VariCem H + 0.5% Halad-344 + 0.3% CFR-3 + 0.5% Econolite (powder)

Oil-Based Drilling Mud Contingency Plan Latshaw Rig 4

This Site Specific Contingency Plan was developed to address the identified risks associated with BOPCO, LP's drilling and production operations. The plan discusses steps to be taken to minimize or prevent spills from occurring during drilling operations.

BOPCO is currently drilling with Latshaw Rig 4 and will be using an oil-based mud to eliminate the salt casing string and improve drilling efficiency. To ensure the oil based mud is completely contained while drilling these wells, BOPCO will employ a Zero Spill Technology which will ensure all oil based mud will be contained, captured, and introduced back into the circulating system. This technology will be provided by the company Katch Kan USA. The rig will employ the light weight Kelly Kan, which redirects all the drilling fluid down through a rotary table. This product comes equipped with seals to prevent the fluid from escaping from the top. The fluid is drained downward from the bottom of the Kelly Kan. A Katch Kan Splash Guard will also be used to prevent a fluid spill from the rotary table onto the rig floor. After draining through the rotary table, the fluid is directed to the Lo-Pro Containment system. The containment tank, which holds eight barrels, will be monitored regularly and the fluid will be pumped back into the active mud system, when necessary, Katch Kan USA will also provide pipe trays for setback areas to collect all fluid that drains out of the drill string and line pipe trays for rig personnel to use to capture all the stray fluid produced while breaking mud, cement, or hydraulic lines during rig operations. A mud vacuum system will be rigged up to remove the oil-based mud from pipe trays and any other area where the mud accumulates. All rig personnel will be properly trained on how to use the Zero Spill System and all the system components by Katch Kan USA before the use of the system.



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BOPCO, L.P. Poker Lake Unit #364H Poker Lake, South (Delaware)



Conditions of Approval Poker Lake Unit 364H Sundry dated 2/28/2013 - 30-015-40800 BOPCO, L.P. March 5, 2013

Original COA Applies with the following changes:

A. CASING

1. The 9-5/8 inch surface casing shall be set at approximately 885 feet (a minimum of 25 feet into the Rustler Anhydrite and above the salt) and cemented to the surface. If the salt is encountered, set the casing 25 feet above the top of the salt.

Operator has revised the cement program to have 138 sacks of the original lead slurry and 233 sacks of the original tail slurry proposed for the 13-3/8" casing. Based on the 20" conductor already set at 120', this calculates to 28% excess.

- a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job. In addition, if cement does not circulate, the operator shall run a CBL after the remedial cementing operation to verify bond since the well is in medium cave/karst.
- b. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry.
- c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
- d. If cement falls back, remedial cementing will be done prior to drilling out that string.
- 2. The minimum required fill of cement behind the 7 inch x 4-1/2" production casing is: (A 4-1/2" completion system with open hole packers will be run in the producing lateral)
 - a. First stage from ECP/DV tool at base of 7":
 - Cement to circulate. If cement does not circulate, contact the appropriate BLM office before proceeding with second stage cement job. Operator should have plans as to how they will achieve circulation on the next stage.
 - b. Second stage above DV tool:

Cement to circulate. If cement does not circulate, contact the appropriate BLM office.

3. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

B. PRESSURE CONTROL

- 1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
- 2. Variance approved to use flex line from BOP to choke manifold. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. If the BLM inspector questions the straightness of the hose, a BLM engineer will be contacted and will review in the field or via picture supplied by inspector to determine if changes are required (operator shall expect delays if this occurs).
- Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the 9-5/8 inch surface casing shoe shall be 3000 (3M) psi.
 Operator installing a 5M system all components shall be present and tested. Operator will test to 3000 psi.
- 4. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead when specified), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
 - b. The tests shall be done by an independent service company utilizing a test plug **not a cup or J-packer**.
 - c. The results of the test shall be reported to the appropriate BLM office.
 - d. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.

e. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug.

C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling out of the surface shoe and shall be used until production casing is run and cemented.

The operator shall monitor the mud system for possible gas kicks until such time that the production casing is cemented as the proposed casing program restricts when the BOP can be closed without creating an underground blowout. <u>An underground blowout is considered an undesirable event</u>.

Operator shall report any mud spill to the BLM within 12 hours of the spill.

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