

OCD-ARTESIA

Form 3160-5
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE** – Other instructions on page 2.

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator

BOPCO, L.P.

3a. Address

P O Box 2760 Midland Tx 79702

3b. Phone No. (include area code)

(432)683-2277

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

UL M, SEC 21, T24S, R31E, 660' FSL & 660' FWL

5. Lease Serial No.

NM0506A

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

Poker Lake Unit; 306402

8. Well Name and No.

Poker Lake Unit #43

9. API Well No.

30-015-21700

10. Field and Pool or Exploratory Area

SWD; Delaware

11. Country or Parish, State

Eddy County

NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input checked="" type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

BOPCO, L.P. respectfully wishes permission to fracture stimulate Delaware zones for SWD within the permitted interval of 4,404 to 4,820'.

These zones will be broken-down with 2,000 gallons of 7-1/2% NEFE HCL Acid and subsequently fracture stimulated down casing. Fracture stimulation will be initiated with a single stage utilizing 12,000 lbs of Lite Prop 125 14/30 and 130,903 gallons of produced water. Upon completion of the fracture stimulation the well will be cleaned out and returned to SWD operation, observing a maximum allowable surface injection pressure of 1,140 psi.

We feel this type of fracture stimulation is the most appropriate for SWD wells so that we can minimize the fracture height growth. This will enable us to better contain our injection within the approved injection interval.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

Accepted for record
NMOCDF
2/10/11

RECEIVED
FEB 04 2011
NMOCDF ARTESIA

APPROVED
JAN 31 2011
Bureau of Land Management
CARLSBAD FIELD OFFICE

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Sandra J. Belt ext. 149

Title Sr. Regulatory Clerk

Signature

Sandra J. Belt

Date 01/21/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

Conditions of Approval
Poker Lake Unit #43
30-015-21700
BOPCO, L.P.
January 31, 2011

1. Surface disturbance beyond the existing pad must have prior approval.
2. Closed loop system required.
3. 2000 2M BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (2M Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.
4. The operator is required to tag the 12,000 lbs of Lite Prop 125 14/30 with a tracer and run a tracer survey to ensure the injected Prop is not placed out of zone. Report results to BLM.
5. Subsequent sundry required with and attach a copy of service company job report.
6. Operator to run a SWD tracer survey one year after completion of fracture stimulation and report results to BLM
7. Work to be completed in 90 days

EGF 013111



Downhole Profile - Vertical Wells

Well ID: 30-015-21700

Field: Poker Lake SW (Delaware)

BOPCO, LP - West Texas

Well Name: Poker Lake Unit #043-W

Sect. 21 Town: 24S Rng: 31E County: Eddy State: New Mexico

Surface Location: 660' FSL & 660' FWL Sec. 21,

Well Information							
Orig KB Elev (ft)	Gr Elev (ft)	KB-Grd (ft)	Spud Date	On Production Date	PBDT (All) (ftKB)		
3,511.00	3,498.00	13.00	12/14/1975		Original Hole - 4,904.0		
Wellbores							
Wellbore Name: Original Hole				Kick Off Depth (ftKB):			
Size (in)		Act Top (ftKB)		Act Btm (ftKB)			
12 1/4		14.0		599.7			
7 7/8		599.7		5,000.0			
Schematic Annotations							
Type		Depth (ftKB)		Annotation:			
Casing Strings							
Csg Des	Wellbore	OD (in)	Wt (lb/ft)	Grade	Top Thread	Set @ (ftKB)	
Surface	Original Hole	8 5/8	24.00	K-55		599.0	
Production	Original Hole	5 1/2	15.50	K-55		4,994.0	
Perforations							
Perf Date	Top (ftKB)	Btm (ftKB)	Zone		Current Status		
12/19/1994	4,404.0	4,446.0	Bell Canyon, Original Hole		Open - Active		
12/19/1994	4,477.0	4,494.0	Bell Canyon, Original Hole		Open - Active		
12/19/1994	4,513.0	4,550.0	Bell Canyon, Original Hole		Open - Active		
4/19/2010	4,552.0	4,590.0	Bell Canyon, Original Hole		Open - Active		
4/19/2010	4,596.0	4,700.0	Bell Canyon, Original Hole		Open - Active		
4/19/2010	4,736.0	4,820.0	Bell Canyon, Original Hole		Open - Active		
Tubing Strings							
Tubing Description		Run Date	String Length (ft)		Set Depth (ftKB)		
Tubing		12/22/1994	4,365.60		4,377.4		
No.	Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	
1-1	2 7/8" EUE, 8 rd. 6.5#, J-55	136	2.88	6.50	J-55	11.7	
1-2	2 7/8" EUE, 8rd, seating nipple	1	2.88	6.50	J-55	4,371.6	
1-3	Guiberson 5 1/2" X 2 7/8", 17-20# G-6 IPC packer	1	4.95			4,372.7	
Tubing Description		Run Date	String Length (ft)		Set Depth (ftKB)		
Tubing		4/10/2010	4,373.00		4,373.0		
No.	Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Top (ftKB)	
2-1	Depth Correction KB		2.88			0.0	
2-2	2 7/8" EUE, 8 rd. 6.5#, J-55	136	2.88	6.50	J-55	9.0	
2-3	2 7/8" EUE, 8rd, seating nipple	1	2.88	6.50	J-55	4,367.3	
2-4	Guiberson 5 1/2" X 2 7/8", 17-20# G-6 IPC packer	1	4.95			4,368.4	
Other Downhole Equipment							
Run Date	Des		OD (in)	Top (ftKB)		Btm (ftKB)	
	Fill			4,904.0		4,994.0	
Cement							
Surface Casing Cement, 12/23/1975							
String: Surface, 599.0ftKB				Cement Evaluation Results:			
Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)	Top Measurement Method			
1	14.0	586.2	88.0	Circulated			
Fluid		Amount (sacks)	Class	Dens (lb/gal)		Yield (ft³/sack)	
Lead		350	C				
Production Casing Cement, 12/5/1994							
String: Production, 4,994.0ftKB				Cement Evaluation Results:			
Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)	Top Measurement Method			
1	3,646.7	4,994.0	13.0	Tagged			
Fluid		Amount (sacks)	Class	Dens (lb/gal)		Yield (ft³/sack)	
Lead		520	C	14.80		1.33	
Stage Number	Stage Top (ftKB)	Stage Bottom (ftKB)	Vol Cement Ret (bbl)	Top Measurement Method			
2	14.0	3,646.7	42.0				
Fluid		Amount (sacks)	Class	Dens (lb/gal)		Yield (ft³/sack)	
Lead		1,050	C	12.50		2.01	
Tail		100	C	14.80		1.33	

