

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

## 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 reverse side.

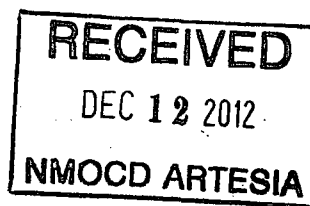
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. SL NM02447, BHL NM02447
2. Name of Operator BOPCO, L. P.		6. If Indian, Allottee or Tribe Name
3a. Address P. O. Box 2760, Midland, TX 79702	3b. Phone No. (include area code) 432-683-2277	7. If Unit or CA/Agreement, Name and/or No. Big Eddy Unit 68294X
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Surface: SESE, UL P, 620' FSL, 10' FEL, Lat N32.611283, Long W103.830814 Bottom Hole: 660' FSL, 1155' FEL, Sec 34, T34S, R31E, Lat: N32.611369, Long: W103.851683 19		8. Well Name and No. Big Eddy Unit #251H
		9. API Well No. 30-015-40499
		10. Field and Pool, or Exploratory Area WC Williams Sink (Bone Spring)
		11. County or Parish, State Sec 35, T19S, R31E Eddy

## 12. CHECK 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 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 checked="" type="checkbox"/> Other Variance for 9-5/8" cement job.
	<input checked="" 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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall 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. would like to request a variance for circulating cement to surface on the 9-5/8" 2nd Intermediate cement job. During the primary cementing operations for the 9-5/8" casing string, cement was not circulated to surface on the second stage. See attached cement details. A temperature survey was run to determine the height of cement and the cement top was located at 40' RKB or 10' below ground level. BOPCO, L.P. plans to remediate by cementing the 7" 3rd Intermediate casing to surface as planned in the approved APD.

Accepted for record  
NMOCDJCS  
12/13/2012

variance for 10' below approved

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Charles Warne		Title Drilling Engineer
Signature <i>Charles Warne</i>		Date 10-4-12
THIS SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by 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.		Title 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 Federal, State, or local agency or official any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.		Date DEC 11 2012 <i>Jennifer Mason</i> BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE

## 9-5/8" Cement Details

A DV tool and external casing packer were run on the 9-5/8" casing string at 2710' and 2713' respectively. The 13-3/8" casing was set at 2667' and the top of the Capitan Reef was called due to loss circulation at 2790'. Prior to running casing, a 3-arm wireline caliper was run to help determine ECP placement as well as cement volumes. In addition to this, the 50' minimum distance from previous casing point and casing tally were factors used in selecting the ECP placement. Therefore, the 2710' DV tool placement was the best available setting depth.

Cement 1st stage of 9-5/8" intermediate casing. Pump 10 bbls FW spacer, 40 bbls of WG-19 Gel w/red dye followed by lead cement of 1100 sx (335 bbls) of Class C + additives (13.6ppg, 1.71 cu ft/sk yield) Displaced with 315 bbls FW. Final circulating pressure 1100 psi. Bumped plug @ 315 bbls with 500 psi over at 4:15 PM CST on 9/26/12. Released pressure and bled back 2 bbls - floats held. The DV tool was opened with 760 psi. Circulated 60 barrels (197 sacks) of cement to half pit.

Cement 2nd stage of 9-5/8" intermediate casing. Pump 20 bbls FW followed by lead cement of 560 sx (184 bbls) of EconoCem - HLC (12.7 ppg, 1.85 cu ft/sk yield) followed by 100 sx (23 bbls) of tail cement Class C + additives (14.8 ppg, 1.33 cu ft/sk yield). Displaced with 205 bbls FW. Bumped plug and closed DV tool with 1930 psi (1179 psi over). Released pressure and bled back 1 bbl - tool closed. Did not circulate cement to surface but did get red dye back to surface.

A temperature survey was run and found TOC at 40'.