

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  
 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)  
**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**

5 Lease Serial No.  
**SL NM02447, BHL NM02447**

6 If Indian, Allottee or Tribe Name

7 If Unit or CA/Agreement, Name and/or No  
**Big Eddy Unit 68294X**

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**

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" 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 type="checkbox"/> Other _____
	<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 recomplete 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 recompletion 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 submit this Subsequent Report for the 9-5/8" 2nd Intermediate cement job. BOPCO, L.P. failed to submit the proper sundry notice for the 2-stage cement job and the change was therefore not approved. The approved APD outlined a single stage cement job that would not have been successful due to lost circulation in the Capitan Reef section. The change to the 2-stage cement job was based off of recent offset wells in the section which were successfully cemented through the Capitan Reef with a DV tool and ECP.**

**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.**

See attached information on cement job.

*Handwritten:* f/wade 10/11/12  
 Accepted for records  
 NMOCD

**RECEIVED**  
 OCT 10 2012  
 NMOCD-ARTESIA

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

**Charles Warne**

Title **Drilling Engineer**

Signature

*Handwritten signature: Charles Warne*

Date

**9-27-12**

**ACCEPTED FOR RECORD**

**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

**OCT 8 2012**

*Handwritten signature*

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.

**BUREAU OF LAND MANAGEMENT  
 CARLSBAD FIELD OFFICE**

## 9-5/8" Cement Details

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'.