

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED  
OMB NO. 1004-0135  
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 reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other: INJECTION		5. Lease Serial No. NMNM06808
2. Name of Operator BOPCO, L.P.		6. If Indian, Allottee or Tribe Name
3a. Address PO BOX 2760 MIDLAND, TX 79702		7. If Unit or CA/Agreement, Name and/or No. NMNM70965X
3b. Phone No. (include area code) Ph: 432-683-2277		8. Well Name and No. JAMES RANCH UNIT 21 FED SWD 1
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 21 T22S R30E SENE 1451FNL 1861FEL 32.380833 N Lat, 103.883133 W Lon		9. API Well No. 30-015-41074
		10. Field and Pool, or Exploratory SWD,DEVONIAN
		11. County or Parish, and State EDDY COUNTY, NM

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
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original A PD
	<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 respectfully requests permission to change the weight and size of the casing that will be set in the 8-1/2" open hole. After further review of offset well data it has been determined that BOPCO can drill this hole section with a maximum mud weight of 12.0ppg. The new casing design would consist of 2105' of 7" 32 ppg LTC P-110 on bottom crossed over to 2500' of 7" 29 ppg LTC HCP-110. Casing design safety factors are listed below. TD of the hole section will be +/- 15,305' which is approximately 15' into the Devonian. By reducing the size of the casing BOPCO reduces the chance of getting stuck while running the liner. The cement blend will remain the same. The new cement volume is listed below with 50% excess.  
Casing design safety factors:  
7" 29ppg LTC HCP-110 from 10,700'-13,200'  
Burst: 1.31  
Collapse: 1.31

Accepted for record  
NMOCD  
JES  
12/16/2013

RECEIVED  
DEC 16 2013  
NMOCD ARTESIA

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #228168 verified by the BLM Well Information System For BOPCO, L.P., sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 12/03/2013 ( )**

Name (Printed/Typed) COURTNEY LOCKHART	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 11/27/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title _____
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 _____

APPROVED  
DEC 10 2013  
Chris Walls  
BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD 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.

**Additional data for EC transaction #228168 that would not fit on the form**

**32. Additional remarks, continued**

Tension: 5.70

7? 32 ppf LTC P-110 from 13,200?-15,305?

Burst: 1.31

Collapse: 1.13

Tension: 13.32

Cement design:

730 sks of VersaCem H + 0.5% Halad-344, + 0.30% HR-601. ( Weight=14.4 ppg, Yield=1.24 cuft/sk)