

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Hobbs

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 checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5 Lease Serial No. NMNM120910
2 Name of Operator COG PRODUCTION LLC		6 If Indian, Allottee or Tribe Name
Contact: DEBORA WILBOURN E-Mail: dwilbourn@concho.com		7 If Unit or CA/Agreement, Name and/or No
3a Address 2208 W MAIN ST ARTESIA, NM 88210	3b Phone No. (include area code) Ph: 575-748-6958 <b>HOBBS OCD</b>	8 Well Name and No BUFFLEHEAD 10 FEDERAL 1H
4 Location of Well (Footage, Sec., T., R., M, or Survey Description) Sec 10 T26S R32E NWNE 330FNL 1650FEL <b>Unit B</b>		9 API Well No. 30-025-40423
10 Field and Pool, or Exploratory JENNINGS-DELAWARE <b>BS</b>		11 County or Parish, and State LEA 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
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	PD

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.)

COG OPERATING, LLC, RESPECTFULLY REQUESTS TO MAKE THE FOLLOWING CHGS TO THE ORIGINAL APD:

Surface Casing setting depth will be @ 960? as per COA.  
Cmt to sfc with:  
Lead: 550sx Class C + 4% Gel + 2% CaCl<sub>2</sub> @ 13.5 ppg/1.75 yield  
Tail: 250 sx Class C + 2% CaCl<sub>2</sub> @ 14.8/1.35 yield  
50% excess on OH

Intermediate casing section:  
Drill 12-1/4? hole to 4300?  
Run 9-5/8? J-55 BTC csg to 4300? (3500? of 36# & 800? of 40# on btm)  
Cmt to surface in 1 stg with:

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

14 I hereby certify that the foregoing is true and correct	
Electronic Submission #129697 verified by the BLM Well Information System For COG PRODUCTION LLC, sent to the Hobbs Committed to AFMSS for processing by JAMES (JIM) HUGHES on 02/01/2012 ()	
Name (Printed/Typed) DEBORA WILBOURN	Title DRLG ENGINEERING TECH
Signature (Electronic Submission)	Date 01/31/2012

**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.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

**Additional data for EC transaction #129697 that would not fit on the form**

**32. Additional remarks, continued**

Lead: 1000 sx Class C + 4% Gel @ 13.5 ppg/1.75 yield  
Tail: 250 sx Class C + 2% CaCl<sub>2</sub> @ 14.8/1.35 yield  
35% excess on OH

Pilot Hole & Production casing section:

Drill 7-7/8" pilot hole to 9700' to run OH log and take SWC's.

Plug back OH from 9700' to 8900' with 300 sx Class H @ 17.2 ppg/0.98 yield

Kick off and drill 7-7/8" curve & lateral to approved BHL.

Run 5-1/2" 17# P-110 LTC csg to TD

Cmt in 1 stage with:

Lead: 1200 sx 35:65:6 H + Salt + Gilsonite + CF + CFR-3 @ 12.7 ppg/1.89 yield

Tail: 950 sx 50:50:2 H + Salt + GasStop + CFR-3 @ 14.4/1.25 yield

Minimum tie back to 4100' (designed to circ cmt to sfc)

35% excess on OH

## CONDITIONS OF APPROVAL

OPERATOR'S NAME:	COG
LEASE NO.:	NM120910
WELL NAME & NO.:	1H Bufflehead 10 Fed
SURFACE HOLE FOOTAGE:	330' FNL & 1650' FEL
BOTTOM HOLE FOOTAGE:	330' FSL & 1650' FEL
LOCATION:	Section 10, T.26 S., R.32 E., NMPM
COUNTY:	Lea County, New Mexico

1. The 13-3/8 inch surface casing shall be set at **approximately 960 feet (a minimum of 25 feet into the Rustler Anhydrite and above the salt)** and cemented to the surface
    - 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.
    - 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 9-5/8 inch intermediate casing is: **(Ensure casing is set below the salt in the Castile anhydrite)**
    - ☒ Cement to surface. If cement does not circulate see B.1.a, c-d above.
- Pilot hole plugging is approved as written.**
3. The minimum required fill of cement behind the 5-1/2 inch production casing is:
    - ☒ Cement should tie-back at least 200 feet into previous casing string. Operator shall provide method of verification.

CRW 020312