

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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.*

HOBBS OCD

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

SEP 17 2014

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. CORVO FEDERAL 4H	
2. Name of Operator COG PRODUCTION LLC		Contact: MAYTE X REYES E-Mail: mreyes1@concho.com	9. API Well No. 30-025-41912-00-X1
3a. Address 2208 W MAIN STREET ARTESIA, NM 88210		3b. Phone No. (include area code) Ph: 575-748-6945	10. Field and Pool, or Exploratory PADUCA
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 29 T24S R32E SWSW 0190FSL 0560FWL 32.181539 N Lat, 103.702936 W Lon		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 APD
	<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.)

COG Production LLC, respectfully requests approval for the following changes to the original approved APD.

We will drill the vertical/curve from intermediate at 4500? to 8701? MD / 8430? TVD with 8-3/4" hole size as originally planned.  
In the lateral, we want to reduce hole size from 8-3/4" to 7-7/8" to TD (12,985? MD / 8,440? TVD)  
We want to modify the lead cement type on the production string to a lighter cement (Halliburton Tune Light @ 10.4 ppg) in an effort to avoid losses in the Brushy Canyon and circulate cement at least to a minimum of 500? inside the 9-5/8" (4000?), but volumes designed to circulate to surface.  
5-1/2" Production String Cement  
Lead : 850 sx of Haliburton Tune Light (10.4 ppg ? / 16.0 gal/sk / 3.08 cf/sk)  
Lead Volume base on 40% excess of Annular Volume between 8-3/4" x 5-1/2" from our Kick Off Point

*Original COAs still stand.*

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

Electronic Submission #260358 verified by the BLM Well Information System  
For COG PRODUCTION LLC, sent to the Hobbs  
Committed to AFMSS for processing by JENNIFER MASON on 09/15/2014 (14JAM0090SE)

Name (Printed/Typed) MAYTE X REYES	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 09/03/2014

**APPROVED**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

SEP 15 2014

Approved By _____	Title _____
BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE	

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 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 #260358 that would not fit on the form**

**32. Additional remarks, continued**

KOP at 7953? MD to Intermediate at 4500? plus Annular Volume between 9-5/8? 40 ppg x 5-1/2? Casings from 4500? (Int. Shoe) to Surface + 50 sx  
Tail: 1125 sx of Versacem H (14.4 ppg ? 5.66 gal/sk 1.25 cf/sk)  
(Tail Volume based on 40% excess of Annular Volume between 7-7/8? x 5-1/2? from End of Lateral 12,985? MD to End of Curve at 8701? and 40% excess of Annular Volume between 8-3/4? x 5-1/2? from 8701? to our Kick Off Point KOP at 7953? MD).