

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 checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM97874
2. Name of Operator COG OPERATING LLC		6. If Indian, Allottee or Tribe Name
Contact ROBYN ODOM E-Mail: rododom@conchoresources.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 550 WEST TEXAS AVENUE SUITE 1300 MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-685-4385	8. Well Name and No. HIGH LONESOME 26 FED COM 2H
3c. Address 550 WEST TEXAS AVENUE SUITE 1300 MIDLAND, TX 79701		9. API Well No. 30-015-35894-00-X1
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 26 T16S R29E SENE 2030FNL 530FEL 32.894390 N Lat, 104.038590 W Lon		10. Field and Pool, or Exploratory UNDESIGNATED
		11. County or Parish, and State EDDY COUNTY, NM

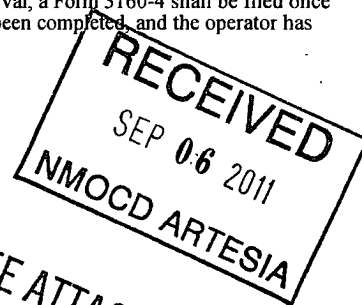
## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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
	<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 permission to update the casing program to current drilling practices (Replacing cemented 5-1/2" with cemented 7" and a 4-1/2" liner):

COG proposes to drill 17-1/2" hole to 400' w/fresh water mud system, wt. 8.5, vis 28, set 13-3/8" casing 48# H40 & cement w/500sxs to surf. Drill an 12.25" hole to 2700' w/brine mud system, wt 10, vis 30, set 9-5/8" casing 40# J55 & cement w/700sxs to surf. Drill 8-3/4" hole to 6600' w/cut brine mud system, wt 8.7, vis 29-32. Set 7" prod casing 26# L80 @ +/-6600'. Cement 7" csg w/Lead 800sx Class C w/4% gel, 13.5 ppg, 1.72 cf/sk. Tail 200sx Class C w/0.35% R3, 14.8ppg, 1.33 cf/sk. 107% excess open hole, no need for excess in csg overlap. No Pilot hole planned. Drill 6-1/8" hole & kick off @ +/-6848', building curve over +/-475' horizontal section in a Westerly direction for +/-4600' lateral to TD @ +/-11950' MD, 7570' TVD. Run 4-1/2" prod liner 11.6# L80 in un-cemented open hole lateral & set isolation packers & liner top packer @ +/-6500' MD. A packer will be set to



Accepted for recording NMOC

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL  
D32 9-7-2011

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #116093 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by DEBORAH MCKINNEY on 08/29/2011 (11DLM1244SE)	
Name (Printed/Typed) ROBYN ODOM	Title PERSON RESPONSIBLE
Signature (Electronic Submission)	Date 08/25/2011

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By TED MORGAN	Title PETROLEUM ENGINEER	Date 08/31/2011
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 Carlsbad

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.

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

**Additional data for EC transaction #116093 that would not fit on the form**

**32. Additional remarks, continued**

isolate Wolfcamp from Abo.

COG respectfully requests permission for 100' liner overlap (reduced from 200' rule) to set pump as deep as possible.

**High Lonesome 26 Federal 2H**  
**COG Operating LLC**  
**30-015-35894**  
**Aug 31, 2011**  
**Conditions of Approval**

**Summary of Current Status:**

- Rig moving on location Sep 1 2011

**Requests:**

1. Approval to revise the casing and procedure per their new drilling plan.

**ORIGINAL CASING & PLAN**

17-1/2" Hole            13-3/8" CSG   400'  
12-1/4" Hole            9-5/8" CSG   2700'  
8-3/4"&7-7/8" Hole   5-1/2" CSG   11950'  
5-1/2" Liner cemented  
200' Liner Lap - cemented  
6-1/8" Pilot Hole  
Log pilot hole  
Drainhole TD 11767' MD (7290' TVD)  
Cemented 5-1/2" Production Casing

**REVISED CASING & PLAN**

No Change, Cmt to Surface  
No Change, Cmt to Surface  
*8-3/4" Hole 7" CSG 6600' Cmt to Surface\**  
*6-1/8" Hole 4-1/2" liner 11950' no cement*  
*100' Lnr Lap, uncemented, w/ liner top pkr*  
*No Pilot Hole*  
*GR-MWD in build and drainhole sections \**  
*Drainhole TD 11950' MD (7570' TVD)*  
*Uncemented 4-1/2" lnr w/ Isolation Pkrs*

\* telecons of 29 and 30 Aug 2011: Operator verbally provided TOC for 7" cement and the GR log specification. Operator was requested to provide an updated drilling program. Operator stated the rig will be moving on the well in two days (1 Sep 2011) and provided an updated sundry to replace prior incomplete sundry.

**Conditions of Approval:**

The previous COA dated 12/18/09 shall remain applicable, with the following additions.

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.  
**If the drilling rig is removed without approval – an Incident of Non-Compliance will be written and will be a "Major" violation. This will also be applicable if an uncemented completion liner is run and a liner top seal, or equivalent, has not been established before the rig move.**
2. The minimum required fill of cement behind the 7" casing is: Cement to surface. If cement does not circulate see B.1.a, c-d in the original COA.

3. **6-1/8"** Drain Hole section - Operator is required stay within Top and Bottom of the approved "Wildcat: Wolfcamp" completion zone.
4. **4-1/2"** Production Liner:
  - a. The 100' uncemented liner lap is approved.
  - b. BLM is to be informed should the test of the liner top packer be unsatisfactory. In that event, the Operator is to have an alternate plan for proceeding.

TMM 08/31/2011