

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MAR 12 2009

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. NMNM100844
2. Name of Operator COG OPERATING LLC		6. If Indian, Allottee or Tribe Name
3a. Address 550 W TEXAS, STE 1300 FASKEN TOWER II MIDLAND, TX 79701		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 432-685-4340		8. Well Name and No. REINDEER 21 FEDERAL 3
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 21 T16S R28E SWNW 1980FNL 430FWL		9. API Well No. 30-015-36538-00-X1
		10. Field and Pool, or Exploratory CROW FLATS
		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 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 checked="" type="checkbox"/> Other Drilling Operations
	<input 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 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.)

BHL: 1980 FNL & 330 FEL

12-02-08 Spud 17-1/2? hole @ 7 PM.

12-03-08 TD 17-1/2? hole @ 562?. Ran 14 jts 13-3/8? J55 54.5# set @ 562?. Cmted w/ 350 sx
Extendacem + 2% CaCl & 150 sx Halcem C + 2% CaCl. Plug bumped @ 9:58 PM. Circ 99 sx. WOC 18 hrs.

Tested BOP to 2000# for 10 min ? OK.

12-08-08 TD 12-1/4? hole @ 1840?. Ran 43 jts 9-5/8? 40# K55 csg set @ 1835?. Cmted w/ 510 sx
Econocem & 2% CaCl2 lead & 200 sx Halcem w/ 2% CaCl2.tail. PD @ 11:40 AM. Circ 155 sx. WOC 12 hrs.

Test BOP to 2000# for 10 min ? OK.

12-18-08 TD 8-3/4? @ 6014?.

12-19-08 Ran 142 jts 7? 26# HCP110 csg set @ 5985?. Cmted w/ 500 sx Econocem & 250 sx Halcem. PD @

14. I hereby certify that the foregoing is true and correct. Electronic Submission #67839 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 03/06/2009 (09KMS0967SE)	
Name (Printed/Typed) PHYLLIS A EDWARDS	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 03/05/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED	DUNCAN WHITLOCK Title LEAD PETROLEUM ENGINEERING TECH	Date 03/10/20
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 #67839 that would not fit on the form

32. Additional remarks, continued

11:55 PM. Circ 135 sx. WOC. Test csg to 1000 psi.
12-23-08 Drill 6-1/8? pilot hole to 6780? TD. Pump 200 sx Halcem C.
1-20-09 Slide drill to 6-1/8? TD 10,600?.
1-30-09 Ran 103 jts 4.5 11.6# HCP-110 liner @ 5864?
2-01-09 Test liner top to 1000 psi ? OK. Rig Released 12 AM.