

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. NMNM105217
2. Name of Operator COG OPERATING LLC		6. If Indian, Allottee or Tribe Name
Contact: KANICIA CARRILLO E-Mail: kcarrillo@conchoresources.com		7. If Unit or CA/Agreement, Name and/or No. NMNM114179
3a. Address 550 W TEXAS, STE 1300 FASKEN TOWER II MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-685-4332	8. Well Name and No. BLUE THUNDER 4 FEDERAL COM 1
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 4 T19S R31E SWSW 310FSL 660FWL		9. API Well No. 30-015-34125-00-S1
10. Field and Pool, or Exploratory WILDCAT		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 checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<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 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 Operating, LLC respectfully request to recomplete from wolfcamp to morrow.

1. MI RU pulling unit. Set frac tank and load w 500 bbls 7% KCl water with surfactant loadings. Blow down tbg to atmosphere. Pump 40 bbls water down tbg. ND 5K tree, send to Downing for repairs. NU BOP. Release pkr. Spot 100# sand down tbg.
2. TOOH. Visually inspect tbg for corrosion or scale. LD packer.
3. PU cement retainer on tubing. Set cement retainer 10,100?. Sting in and out. Pressure annulus to 500 psi. Squeeze Wolfcamp perforations with 300 sks Class H cement. Reverse tbg and TOOH.
4. PU 4 3/4" bit and drill out retainer and cement. Test squeezed perforations to 800 psi. POOH.
5. PU o/o tool on 2 7/8" P-110 tbg. Wash sand off plug. Pump 100 bbl gelled water sweep to make sure top of plug and tubing is clean. Engage o/o. Attempt to pull plug in packer. If plug won't pull, shoot 4 holes in tbg, release packer and POOH.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

APPROVED

FEB 9 2010

J. Myles Kristof
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

14. I hereby certify that the foregoing is true and correct	
Electronic Submission #80477 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad Committed to AFMS for processing by KURT SIMMONS on 01/25/2010 (10KMS05473E)	
Name (Printed/Typed) KANICIA CARRILLO	Title PREPARER
Signature (Electronic Submission)	Date 01/22/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

CE FOR I

Approved By (BLM Approver Not Specified)	Title	Date 02/09/20
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 #80477 that would not fit on the form

32. Additional remarks, continued

6. LD packer, PU o/o tool. Retrieve lower packer with same procedure.
7. RU lubricator. Correlate to cased hole log dated 11/26/05. Wireline set 10K composite plug @ 12,075?
8. Under lubricator perforate Morrow sand with 3 1/8" slick guns in the following intervals:
11,910? ? 11,917? 4jspf 24 shots total
11,900? ? 11,902? 4jspf 12 shots total
11,831?? 11,843? 4jspf 48 shots total
9. PU 10K Arrowset packer with o/o X profile and XN profile under packer on 10? sub with WRG. ND BOP. NU refurbished 5K tree.
10. Acidize new Morrow with 3,000 gallons of 10% iron control HCl foamed 70% Q with N2. Displace with foamed KCl water. Flow back and evaluate for potential binary foam frac.
11. Foam frac preliminary volume ? 25,000 gallons 70Q Binary foam carrying 50,000# 30/50 Interprop

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**Blue Thunder 4 Federal 1
30-015-34125
COG Operating LLC
February 9, 2010
Conditions of Approval**

- 1. Surface disturbance beyond the existing pad must have prior approval.**
- 2. Closed loop system required.**
- 3. A minimum of a 5M BOP is required and must be tested prior to RIH.**
- 4. Subsequent sundry and completion report required.**

MAK 020910