Form 3160-5 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED OMB NO. 1004-0135

BUREAU OF LAND MANAGEMENT

Expires: July 31, 2010 Lease Serial No. SUNDRY NOTICES AND REPORTS ON WELL Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals. 6. If Indian, Allottee or Tribe Name 7. If Unit or CA/Agreement, Name and/or No. SUBMIT IN TRIPLICATE - Other instructions on reverse side 1. Type of Well Well Name and No. BC FEDERAL 2 Oil Well Gas Well Other 2. Name of Operator COG OPERATING LLC API Well No. Contact: KANICIA CARRILLO E-Mail: kcarrillo@conchoresources.com 30-025-34713 3a. Address 550 WEST TEXAS AVE STE 1300 MIDLAND, TX 79701 10. Field and Pool, or Exploratory MALJAMAR; YESO, WEST b. Phone No. (include area code) Ph: 432-685-4332 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 11. County or Parish, and State Sec 20 T17S R32E 330FNL 2310FEL LEA COUNTY, NM _CHECK_APPROPRIATE_BOX(ES)_TO_INDICATE_NATURE_OF_NOTICE,_REPORT,_OR_OTHER_DATA TYPE OF SUBMISSION TYPE OF ACTION ☐ Water Shut-Off □ Acidize ☐ Production (Start/Resume) Deepen Notice of Intent ☐ Alter Casing Fracture Treat Well Integrity ☐ Reclamation ☐ Subsequent Report ☐ Casing Repair ☐ New Construction □ Recomplete ☐ Other Final Abandonment Notice ☐ Change Plans ☐ Plug and Abandon Temporarily Abandon Convert to Injection ☐ Plug Back ☐ 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.) SEE ATTACHED FOR COG Respectfully request to deepen to the Yeso as follows: 1. MIRD vig.
2. PU 4-3/4" bit and drill 4-3/4" from 5897' to 7000'.
3. POOH w/bit and drillstring.
4. RIH w/ logs and log from TD to 5800'.
5. RIH w/4", 11.3# casing. CONDITIONS OF APPROVAL See attached 6. Cmt casing from TD to 575% w/115 sxs class C cmt. procedure 7. RDMO rig. 14. I hereby certify that the foregoing is true and correct Electronic Submission #59666 verified by the BLM Well Information System For COG OPERATING LC, sent to the Hobbs Name (Printed/Typed) KANICIA CARRILLO **PREPARER** Signature (Electronic Submission) 04/14/2008 THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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. WESLEY W. INGRAM 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 neake to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

OC DISTRICT SUPERVISCRIVENERAL MANAGER

BC FED #2 MASTER DEEPENING PROGRAM

1. Estimated Tops of Important Geologic Markers

Yeso Group 5325'

2. Estimated Depths of Anticipated Fresh Water, Oil, and Gas

Yeso Group 5325'

This deepening originates in the Yeso and will finish at the base of the Yeso. The entire Yeso group is an oil and gas bearing interval.

3. Casing Program

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Hole Size	Interval	OD Casing	Weight /	Grade	Jt./Condition	Burst/collapse/tension
4-3/4"	5773' - 7000'	4"	11.3#	L-80	ULT-FJ/New	3.07/3.16/3.37

11,6 nominal

NOTE: COG OPERATING LLC REQUESTS A VARIANCE TO THE 0.422" STAND OFF RULE BETWEEN CASING AND WELLBORE.

4. Cement Program

4" Liner:

Class C, 115 sxs, yield 1.37. 200' minimum tie back to production casing.

NOTE: COG OPERATING LLC REQUESTS A VARIANCE TO THE LINER TOP FLUID ENTRY OR PRESSURE TEST BECAUSE THE DEEPENED WELL WILL BE COMPLETED IN THE SAME ZONE AS THE CURRENT PERFS AND THE ENTIRE INTERVAL IS RECOGNIZED BY THE OCD AS ONE INTERVAL (YESO). AS PER ONSHORE ORDER NO. 2 SECT III: REQUIREMENTS, PART B. CASING AND CEMENTING REQUIREMENTS, SUBPART b. "NO TEST SHALL BE REQUIRED FOR LINERS THAT DO NOT INCORPORATE OR NEED A SEAL MECHANISM." COG BELIEVES WE MEET THE CRITERIA TO NOT BE REQUIRED TESTING THE LINER TOP BECAUSE THERE IS NO NEED FOR A SEAL MECHANISM.

5. Minimum Specifications for Pressure Control

The BOP equipment will be a 3000 psi double ram type manually operated preventer. This equipment will be nipple up to a 7-1/16" 3K flange. The pipe rams are located above blind rams. There is no choke or kill manifold. The BOP is tested to 500 psi prior to drilling new formation. Access to the annulus will be through the valves on the 5-1/2" casing head.

6. Types and Characteristics of the Proposed Mud System

This well will drilled from end of the existing 5-1/2" casing to TD with 2% KCl.

7. Auxillary Well Control and Monitoring Equipment

A. A full opening drill pipe-stabbing valve with proper drill pipe connections will be on the rig floor at all times.

8. Logging, Testing, and Coring Program

- A. The electric logging program will consist of GR-Dual Laterolog, Spectral Density, Dual Spaced Neutron, CSNG Log and will be run from TD to 5-1/2" production casing shoe.
- B. No drill stem tests.
- C. No conventional coring anticipated.
- D. Further testing procedures will be determined after the 4" liner has been cemented at TD, based on drill shows and log evaluation.

9. Abnormal Conditions, Pressure, Temperatures, and Potential Hazards

No abnormal pressures or temperatures are anticipated. The estimated bottomhole temperature at TD is 110 degrees and the estimated maximum bottomhole pressure is 2300 psig. The drilling starts in the Yeso and ends in the Yeso. The section of Yeso being drilled has very low permeability (less than 1 md).

10. Anticipated Starting Date and Duration of Operations

There will be no road or location work required as this is an existing well location. Once commenced, drilling operations should be finished in approximately 14 days. If the well is productive, an additional 30 days will be required for completion and testing before a decision is made.

11. Centralizer Program

Fixed blade stabilizer subs will be utilized in the casing string to insure adequate isolation and seal throughout the wellbore. These stabilizer subs are positive fixed blade type. These subs will actually be screwed into the casing string. A diagram of the fixed blade stabilizer sub is located at the end of this program.

The standard location of the stabilizers will be the following:

Shoe Location

Guide shoe, 1 jt casing, stabilizer sub, float collar, 1 jt casing, stabilizer sub

Perf Interval Location – between perf intervals
Stabilizer sub, 1 jt casing, stabilizer sub

Top of Liner Location

DV tool, 1 jt casing, stabilizer sub, 1 jt casing, stabilizer sub

12. Summary Drilling and Completion Program

Deepening Procedure

- 1. MIRU rig.
- 2. PU 4-3/4" bit and drill 4-3/4" from 5773' to 7000'.
- 3. POOH w/ bit and drillstring.
- 4. RIH w/ logs and log from TD to 5773'.
- 5. RIH w/ 4", 11.3# casing. See section 11 for general centralizer program.
- 6. Cement casing from TD to 5548' w/ 115 sxs Class C cmt. Drop plug and open DV tool. Circ cmt off DV tool. Drop plug to close DV tool.
- 7. PU workstring and RIH and drill out DV tool. POOH and LD workstring.
- 8. RDMO rig.

Completion Procedure

- 1. MIRU rig.
- 2. RIH/ w/ perforating guns and perforate Yeso from 6900 6700 w/ 2 spf, 30 holes.
- 3. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 89,900 # of sand. Set plug at 6600'.

- 4. RIH w/ perforating guns and perforate Yeso from 6500' 6300'.
- 5. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 89,900 # of sand. Set plug at 6200'.
- 6. RIH w/ perforating guns and perforate Yeso from 6100′ 5900′.
- 7. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 89,900 # of sand.
- 8. RIH and drill out plug at 6200' and 6600'.
- 9. RIH and cut or back off 4" casing at 5548'. POOH w/ 4" casing. Leave 4" liner from 5548' to 7000' (TD).
- 10. RIH w/ tbg and locate end of tbg at 5500'.
- 11. RIH w/ rods and pump.
- 12. RDMO rig.

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