

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Hobbs

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. NNMM107392	
2. Name of Operator COG OPERATING LLC		6. If Indian, Allottee or Tribe Name	
3a. Address ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701-4287		7. If Unit or CA/Agreement, Name and/or No.	
3b. Phone No. (include area code) Ph: 575-748-6945 Fax: 575-748-6950		8. Well Name and No. NIGHTCAP 6 FEDERAL 3H	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 6 T20S R32E Lot 3 330FNL 2020FWL		9. API Well No. 30-025-41589-00-X1	
		10. Field and Pool, or Exploratory LUSK	
		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 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 approval for the following drilling changes to the original approved APD.

Operator proposes following changes to incorporate potential production in section 7 of T20S / R32E.

Intermediate 1 @ 2,900?.

Hole size 14-3/4?

Casing: 13-3/8? 68# L80 HC Ultra FJ

Cement

Lead: 650 sx Class C + 4% Gel + 1% CC

Tail: 250 sx Class C + 1% CC

Intermediate 2 @ 4300?.

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

Rec. via email 8/1/14

14. I hereby certify that the foregoing is true and correct.		Electronic Submission #255609 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Hobbs Committed to AFMSS for processing by CHRISTOPHER WALLS on 08/04/2014 (14CRW0195SE)	
Name (Printed/Typed) MAYTE X REYES		Title REGULATORY ANALYST	
Signature (Electronic Submission)		Date 08/04/2014	
<b>THIS SPACE FOR FEDERAL OR STATE OFFICE USE</b>			
Approved By		Title	
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.		Date	
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.		Office	

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

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## Additional data for EC transaction #255609 that would not fit on the form

### 32. Additional remarks, continued

Hole size: 12-1/4?

Casing: 9-5/8? 36# J55 BTC from surface to 3,500?. 9-5/8? 40# J55 BTC from 3500? ? 4300?.

2 Stage Cement with DVT/ECP set at 2,950?.

1st stage Lead: 425 sx of 35:65:6 C Blend ( 12.7 ppg ? 2 cf/ft)

1st stage Tail: 250 sx of Class C ( 14.8 ppg ? 1.34 cf/ft)

DVT/ECP set at +/- 2,950?.

2nd stage Lead: 650 sx Class C + 4% Gel ( 13.5 ppg ? 1.75 cf/ft)

2nd stage tail: 100 sx Class C ( 14.8 ppg ? 1.34 cf/ft)

Operator will install blind flange with pressure gauge after installing 9-5/8? casing.

Operator will notify BLM after installing 9-5/8? casing before moving the rig off the well.

Operator will notify BLM 24 hours before moving in the next rig over the Nightcap 6 Federal 3H at which this move timing is unknown. Operator will update BLM ASAP with timing of the next rig move.

## CONDITIONS OF APPROVAL

<b>OPERATOR'S NAME:</b>	<b>COG Operating, LLC</b>
<b>LEASE NO.:</b>	<b>NMM-107392</b>
<b>WELL NAME &amp; NO.:</b>	<b>Nightcap 6 Federal 3H</b>
<b>SURFACE HOLE FOOTAGE:</b>	<b>0330' FNL &amp; 2020' FWL</b>
<b>BOTTOM HOLE FOOTAGE:</b>	<b>0330' FSL &amp; 1980' FWL</b>
<b>LOCATION:</b>	<b>Section 06, T. 20 S., R 32 E., NMPM</b>
<b>COUNTY:</b>	<b>Lea County, New Mexico</b>

**Original COA still stand with the following drilling modifications:**

**Approved to cement the 9-5/8" casing, secure the wellhead and move the rig off. The operator has 60 days to move the next rig in to proceed with drilling operations. If the 60 day timeline cannot be reached submit a sundry to the BLM to request an extension.**

1. The minimum required fill of cement behind the **13-3/8 inch 1<sup>st</sup>** intermediate casing, which shall be set at approximately **2900** feet; is:

☒ Cement to surface. If cement does not circulate Contact the appropriate BLM office. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to potash.**

2. The minimum required fill of cement behind the **9-5/8 inch 2<sup>nd</sup>** intermediate casing is:

**Operator has proposed DV tool at depth of 2950'. Operator is to submit sundry if DV tool depth varies by more than 100' from approved depth.**

**If operator circulates cement on the first stage, operator is approved to run the DV tool cancellation plug and cancel the second stage of the proposed cement plan. If cement does not circulate, operator will proceed with the second stage.**

- a. First stage to DV tool:

☒ Cement to circulate. If cement does not circulate, contact the appropriate BLM office before proceeding with second stage cement job. Operator should have plans as to how they will achieve circulation on the next stage.

- b. Second stage above DV tool:

☒ Cement to surface. If cement does not circulate Contact the appropriate BLM office.