

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018**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.**File Serial No.  
NMNM109748**Carlsbad Field Office**  
**OCD Artesia****SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator COG PRODUCTION LLC		7. If Unit or CA/Agreement, Name and/or No.
Contact: MAYTE X REYES E-Mail: mreyes1@concho.com		8. Well Name and No. ROAD RUNNER FEDERAL COM 11H
3a. Address 2208 W MAIN STREET ARTESIA, NM 88210	3b. Phone No. (include area code) Ph: 575.748.6945	9. API Well No. 30-015-43900-00-X1
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 25 T25S R26E SESE 190FSL 350FEL		10. Field and Pool or Exploratory Area COTTONWOOD DRAW
		11. County or Parish, State EDDY COUNTY, NM

**12. CHECK THE 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"/> Hydraulic Fracturing	<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 must 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 must be filed once testing has been completed. Final Abandonment Notices must 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 change in the production cementing program from a 1 Stage Cementing Program to a 2 Stage Cementing Program to improve cement coverage across the Delaware Sands.

Note: The currently approved cementing program was changed by Sundry on 12.28.16

Cementing Program  
Surface Casing ? No Change  
Intermediate Casing ? No Change  
Production Casing (8-3/4" OH X 5-1/2" 17# P-110 BTC Casing) ? No Change  
1st Stage  
Lead: Was 1150 sx NeoCem C Blend (11.0 ppg / 17.37 gal/sx/2.8 cf/sx)

**SEE ATTACHED FOR**  
**CONDITIONS OF APPROVAL**NM OIL CONSERVATION  
ARTESIA DISTRICT

FEB 24 2017

RECEIVED

14. I hereby certify that the foregoing is true and correct. Electronic Submission #367171 verified by the BLM Well Information System For COG PRODUCTION LLC, sent to the Carlsbad Committed to AFMSS for processing by DEBORAH MCKINNEY on 02/16/2017 (17DLM0889SE)	
Name (Printed/Typed) MAYTE X REYES	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 02/15/2017

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By <u>MUSTAFA HAQUE</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>02/22/2017</u>
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 <u>Carlsbad</u>

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.

(Instructions on page 2)

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

## **Additional data for EC transaction #367171 that would not fit on the form**

### **32. Additional remarks, continued**

Lead: Now 330 sx NeoCem C Blend (11.0 ppg / 17.37 gal/sx/ 2.8 cf/sx)  
Tail: No Change ? 2300 sx. NeoCem Blend 13.2 ppg / 6.84 gal/sx 1.4 cf/sx  
Volume Factors ? Lead ? 35% Excess OH from KOP (7360?) to 4650? (Stage Tool)  
Volume Factors Tail ? 20% hole excess from TD (17,978?) to KOP (7360?).  
Was: No 2nd Stage Now Request 2nd Stage

Stage Tool/External Casing Packer at 4650?

Lead: 400 sx NeoCem C Blend (11.0 ppg - / 17.37 gal/sx/2.8 cf/sx)  
Tail: 475sx 50:50 C Poz Blend (FR, FL adds as necessary) (14.8 ppg / 1.14 cf/sx / 5 gal/sx)  
Volume Factors ? Lead ? 100% Excess OH from 3150? to Intermediate Casing Point. 0% Excess  
Intermediate Casing Point to Surface. Cement volumes calculated to surface.  
Volume Factors Tail ? 40% hole excess from Stage Tool (4650?) to 3150?.

**PECOS DISTRICT  
CONDITIONS OF APPROVAL**

<b>OPERATOR'S NAME:</b>	<b>COG Operating, LLC.</b>
<b>LEASE NO.:</b>	<b>NMNM-109748</b>
<b>WELL NAME &amp; NO.:</b>	<b>Road Runner Federal Com 11H</b>
<b>SURFACE HOLE FOOTAGE:</b>	<b>0190' FSL &amp; 0350' FEL</b>
<b>BOTTOM HOLE FOOTAGE</b>	<b>050' FNL &amp; 0330' FEL Sec. 24, T. 25 S., R 26 E.</b>
<b>LOCATION:</b>	<b>Section 25, T. 25 S., R 26 E., NMPM</b>
<b>COUNTY:</b>	<b>Eddy County, New Mexico</b>

See below for the changes in the Conditions of Approval for the Drilling Section.

**DRILLING**

**All previous COAs still apply except the following:**

1. The minimum required fill of cement behind the **5-1/2** inch production casing is:

**Operator has proposed DV tool at depth of 4650', but will adjust cement proportionately if moved. DV tool shall be set a minimum of 50' below previous shoe and a minimum of 200' above current shoe. Operator shall submit sundry if DV tool depth cannot be set in this range. If an ECP is used, it is to be set a minimum of 50' below the shoe to provide cement across the shoe. If it cannot be set below the shoe, a CBL shall be run to verify cement coverage.**

- 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. Operator shall provide method of verification.

**MHH 02222017**