

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTCarlsbad Field Office
OCD ArtesiaFORM 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.5. Lease Serial No.
NMNM109748

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

ROAD RUNNER FEDERAL COM 1H

2. Name of Operator

COG OPERATING LLC

Contact: MAYTE X REYES

E-Mail: mreyes1@concho.com

9. API Well No.

30-015-43133-00-X1

3a. Address

600 W ILLINOIS AVENUE
MIDLAND, TX 79701

3b. Phone No. (include area code)

Ph: 575-748-6945

10. Field and Pool or Exploratory Area
WILDCAT

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 25 T25S R26E SESE 190FSL 380FEL
32.093925 N Lat, 104.238700 W Lon

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 recompleat 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 changes to the original approved APD.

Drilling changes attached. **NM OIL CONSERVATION**

ARTESIA DISTRICT

MAR 08 2017

RECEIVED

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #368639 verified by the BLM Well Information System

For COG OPERATING LLC, sent to the Carlsbad

Committed to AFMSS for processing by MUSTAFA HAQUE on 03/02/2017 (17MH0035SE)

Name (Printed/Typed) MAYTE X REYES

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 03/02/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By MUSTAFA HAQUE

Title PETROLEUM ENGINEER

Date 03/03/2017

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.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Road Runner Federal #1H API 30-015-43133

Contingency 2nd Stage Cement Program with DV Tool at 800'. External Casing Packer at 1970'.

Reference previous Sundry approval to change intermediate casing set depth from 1954' to 2500'. Our proposed cementing program is a 1 stage program as submitted on the previous Sundry. It is not yet proven that the formation between 1954' to 2500' will support the full column of cement to surface. To facilitate a contingency 2 Stage cement job if needed, request that we be allowed to run a Stage Tool (DV Tool) and External Casing Packer (ECP) to be used in the event we do not circulate cement to surface.

The ECP will be set at ~1970' where we recently successfully cemented to surface on the Road Runner Federal Com 11H.

The Stage Tool (DV Tool) will be set at 800' to allow ample separation of the DV Tool from the Tail Cement of the 1st Stage. We expect to get 1st Stage Lead Cement at least to this depth.

If in fact, we do successfully get cement to surface, with our 1st Stage cement job, we intend on dropping a DV Tool cancellation plug and abort the 2nd Stage. The ECP will be inflated upon bumping the plug on the 1st Stage.

If the 2nd Stage Cement job is needed to get cement to surface. Below is the requested Contingency 2nd Stage Cement Program. We will verify adequate cement volumes with a fluid caliper.

Cementing Program

Lead: 200 sx Class C + 4% Gel + 1% CaCl₂ Yield 1.75 cf/sx 13.5 ppg 9.2 gal/sx Water

Design Coverage: 0 – 500'

200% Open Hole Excess 12-1/4" x 9-5/8" 10% Excess 13-3/8" X 9-5/8" Casing X Casing Annulus

Tail: Now: 110 sx Class C + 2% CaCl₂

Yield 1.34 cf/sx 14.8 ppg 6.3 gal/sx Water

Design Coverage: 500' – 800'

100% Excess 12-1/4" x 9-5/8"

Production Casing Cementing Program – No Change

PECOS DISTRICT CONDITIONS OF APPROVAL

OPERATOR'S NAME:	COG Operating, LLC.
LEASE NO.:	NMNM-112907
WELL NAME & NO.:	Road Runner Federal 1H
SURFACE HOLE FOOTAGE:	0190' FSL & 0380' FEL
BOTTOM HOLE FOOTAGE	0050' FNL & 0330' FEL
LOCATION:	Section 25, T. 25 S., R 26 E., NMPM
COUNTY:	Eddy County, New Mexico

All previous COAs still apply, except for the following:

1. The minimum required fill of cement behind the 9-5/8 inch production casing, is:

Operator has proposed a contingency DV tool at 800'. If operator circulates cement on the first stage, operator is approved to inflate the ECP and run the DV tool cancellation plug and cancel the second stage of the proposed cement plan. If cement does not circulate, operator will inflate ECP and 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. **Wait on cement (WOC) time for a primary cement job is to include the cement slurry.** If cement does not circulate to the surface:

- i. The appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
- ii. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
- iii. If cement falls back, remedial cementing will be done prior to drilling out that string.

MHH 03032017