

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

Carlsbad Field Office
OCB Artesia

5. Lease Serial No.
NWNM113937

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

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

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
CRAIG FEDERAL COM 2H

2. Name of Operator
COG OPERATING LLC
Contact: MAYTE X REYES
E-Mail: mreyes1@concho.com

9. API Well No.
30-015-44209

3a. Address
2208 WEST MAIN STREET
ARTESIA, NM 88210

3b. Phone No. (include area code)
Ph: 575-748-6945

10. Field and Pool or Exploratory Area
WC-015 G-03 S252636M; BS

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 1 T26S R26E NWNW 675FNL 760FWL

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 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 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 changes the original approved APD.

DRILLING CHANGES
See attached.

- All previous COAs will apply. Additional COA is not required.

*JC 8-22-17
Accepted for record - NMOCD*

NM OIL CONSERVATION
ARTESIA DISTRICT
AUG 21 2017

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

Electronic Submission #384736 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by MUSTAFA HAQUE on 08/16/2017 ()

Name (Printed/Typed) MAYTE X REYES Title REGULATORY ANALYST

Signature (Electronic Submission) Date 08/15/2017

RECEIVED

APPROVED

AUG 16 2017

PETROLEUM ENGINEER
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

Date 8-16-2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By MUSTAFA HAQUE Title PETROLEUM ENGINEER Office CFO

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.

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)

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

8.15.17

Sundry Request - Craig Federal Com #12H API 30-015-44209

Request to modify the Production Casing Cementing Program. The purpose of this modification is to reduce our hydrostatic loading on the wellbore to facilitate bringing cement as high as possible. Cementing volumes are designed to surface and are based on the Fluid Calipers taken at TD and at KOP on the Craig Federal Com 12H which is located on the same pad 30' East of this location (circulated cement to surface).

We are requesting modification of the production cementing program as shown below:

- Cementing Program
 - Surface Casing – No Change – As previously Approved Sundry.
 - Intermediate Casing – No Change – As previously Approved Sundry.
 - Production Casing
 - Lead: Was 750 sx Class H 50:50:10 Blend (11.9 ppg/2.5 cf/sx)
 - **Proposed Lead: 625 sx Tune Lite Blend (10.3 ppg/3.6 cf/sx)**
 - **Volumes of Lead Cement intended for coverage from KOP @ 7100' to Surface): Was: 1875 cu ft Now: 2250 cu ft**
 - Tail: Was 2940 sx Class H 50:50:2 Blend (14.4 ppg/1.24 cf/sx)
 - **Proposed Tail: 2300 sx of NeoCem Blend (FR, Retarder, FL adds as necessary) (13.2 ppg /1.46 cf/sk)**
Tail Slurry Volume Was: 3646 cu ft **Now 3358 cu ft**