

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

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. NMNM12559	
2. Name of Operator COG PRODUCTION LLC		6. If Indian, Allottee or Tribe Name	
3a. Address 2208 WEST MAIN STREET ARTESIA, NM 88210		7. If Unit or CA/Agreement, Name and/or No.	
3b. Phone No. (include area code) Ph: 575-748-6945		8. Well Name and No. COTTONMOUTH 23 FEDERAL COM 2H	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 22 T26S R28E NENE 190FNL 330FEL		9. API Well No. 30-015-43015	
		10. Field and Pool, or Exploratory HAY HOLLOW; BONE SPRING	
		11. County or Parish, and State EDDY 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 checked="" 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 APD
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 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 Production LLC, respectfully requests approval for the following drilling changes to the original approved APD.

Operator will pump a 2 stage cement job due to ensure 500? tie back into the 9-5/8? and a quality cement job.

Operator will set a DVT/ECP around 2950?.

Operator will pump the following cmt:

1st Stage:

Lead: 775 sx 50:50:10 H Blend (11.9# - 2.5 cf/sk)

NM OIL CONSERVATION
ARTESIA DISTRICT
JAN 14 2016

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

RECEIVED

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

Electronic Submission #328370 verified by the BLM Well Information System
For COG PRODUCTION LLC, sent to the Carlsbad
Committed to AFMSS for processing by KENNETH RENNICK on 01/13/2016 ()

Name (Printed/Typed) MAYTE X REYES

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 01/12/2016

Accepted for record
NMOC

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Date

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

APPROVED
PETROLEUM ENGINEER
JAN 13 2016
Kenneth Rennick

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 any false statement of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

Additional data for EC transaction #328370 that would not fit on the form

32. Additional remarks, continued

Tail: 1400 sx 50:50:2 H Blend (14.4 # - 1.24 cf/sk)

2nd Stage:

Lead: 500 sx Class C + 4% Gel (13.5# - 1.72 cf/sk)

Tail: 100 sx Class C Neat (14.8# - 1.34 cf/sk)

**Cottonmouth 23 Federal Com 2H
API 30-015-43015
COG Production LLC
Conditions of Approval**

**Original COA still applies, except for the replacement of the cement filled behind the 5-1/2
Production Casing. See the following:**

**Operator is to submit sundry if DV tool depth varies by more than 100 feet from
approved depth.**

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 approved top of cement on the next stage.

b. Second stage above DV tool:

- ☒ Cement should tie-back at least **500** feet into previous casing string. Operator shall provide method of verification.

KGR 01132016