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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SEP 06 2018

**GENERAL NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter abandoned wells. Use form 3160-3 (APD) for such proposals.

Carlsbad Field  
OCD Artesia

Lease Serial No.  
NMNM84711

If Indian, Allottee or Tribe Name

DISTRICT II-ARTESIA/OCD

**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.  
FEDERAL Z 2

2. Name of Operator  
COG OPERATING LLC

Contact: MIKE PIPPIN  
E-Mail: mike@pippinllc.com

9. API Well No.  
30-015-21524-00-S1

3a. Address  
600 W ILLINOIS AVENUE  
MIDLAND, TX 79701

3b. Phone No. (include area code)  
Ph: 505-327-4573

10. Field and Pool or Exploratory Area  
AVALON-DELAWARE

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 29 T20S R27E NWSW

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 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"/> 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 checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<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 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.

THIS IS THE RE-COMPLETION OF THIS WELL TO YESO.

On 7/26/18, MIRUSU. TOH w/rods, pump, & tbg. Set 5-1/2" RBP @ 4700' & 5-1/2" PKR @ 4676' & PT RBP & 5-1/2" csg to 3500 psi for 15 min-OK. TOH w/PKR & RBP. Set 5-1/2" CIBP @ 6830' & top w/25 sx cmt.  
On 7/30/18 PT 5-1/2" csg to 3500 psi-OK. On 7/31/18, set 5-1/2" CBP @ 4710' & perfed Yeso @ 4271'-4489' w/27-0.42" holes. On 8/6/18, treated new perms w/1500 gal 15% HCL acid & fraced w/30,108# resin coated 100 mesh & 190,085# resin coated 30/50 sand in slick water. Spotted 500 gal 15% HCL across next stage.  
Set 5-1/2" CBP @ 4100'. Perfed Yeso @ 3676'-3951' w/30 holes. Treated new Yeso perms w/1000 gal 15% HCL & fraced w/29,965# resin coated 100 mesh & 250,180# resin coated 30/50 sand in slick water. Spotted 504 gal 15% HCL across next stage.

GC 9-7-18  
Accepted for record - NMOCD

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

Electronic Submission #431107 verified by the BLM Well Information System  
For COG OPERATING LLC, sent to the Carlsbad  
Committed to AFMSS for processing by DEBORAH MCKINNEY on 08/16/2018 (18DLM0572SE)

Name (Printed/Typed) MIKE PIPPIN

Title PETROLEUM ENGINEER

Signature (Electronic Submission)

Date 08/14/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

ACCEPTED FOR RECORD

Approved By

Title AUG 16 2018

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.

/s/ Jonathon Shepard

Office  
BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

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 #431107 that would not fit on the form**

**32. Additional remarks, continued**

Set 5-1/2" CBP @ 3630'. Perfed Yeso @ 3370'-3593' w/26 holes. Treated new Yeso perms w/1000 gal 15% HCL & fraced w/29,965# resin coated 100 mesh & 250,180# resin coated 30/50 sand in slick water. Spotted 500 gal 15% HCL across next stage.  
Set 5-1/2" CBP @ 3300'. Perfed Yeso @ 2940'-3241' w/29 holes. Treated new Yeso perms w/1000 gal 15% HCL & fraced w/28,391# resin coated 100 mesh & 264,755# resin coated 30/50 sand in slick water.  
On 8/8/18, MIRUSU. CO after frac, drilled CBPs @ 3300', 3630' & 4100', & CO to CBP @ 4710'. On 8/13/18, landed ESP on 2-7/8" 6.5# L-80 tbg @ 3290'. Released completion rig on 8/14/18.