

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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FORM 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.
NMNM0467932

6. If Indian, Allottee or Tribe Name

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

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		8. Well Name and No. Multiple--See Attached
2. Name of Operator COG OPERATING LLC		9. API Well No. <u>30-015-30291</u> Multiple--See Attached
3a. Address 600 W ILLINOIS AVENUE MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-685-4385	10. Field and Pool or Exploratory Area GRAYBURG JACKSON-SR-Q-GRBG-S
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Multiple--See Attached		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 recompleate 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 recompleation 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.

San Andres Recompleation:

6/07/18 RIH. POOH w/rods and pump. RIH w/CIBP @ 0000. 4,340'
6/11/18 Test frac stack & casing to 4400# for 30 min, good test.
6/22/18 Perf lower San Andres w/ 54 shots, 3 SPF, 3620 - 3960.
6/26/18 Acidize Perfs w/1512 gals of acid. Frac w/ 235,116 gals Borate, 378 gals of liner gel, 4,368 gals FW, 244,608 gals clean, 261,786 gals dirty, 316,150# 20/40 white sand, 61,843# 20/40 cool set. Set CFP @ 3580. Set casing @ 3500 psi for 30 min, test good. Perf upper San Andres w/ 54 shots, 3 SPF, 3190 - 3547. Acidize Perfs w/ 1260 gals acid. Frac w/ 232,596 gals Borate, 3486 gals liner gel, 3864 gals FW, 241,164 gals clean, 257,880 gals dirty, 293,853# 20/40 white sand, 74,330# 20/40 cool set.
7/02/18 Drill out CBP. Clean out to 4300.

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #433917 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by PRISCILLA PEREZ on 09/06/2018 (18PP1943SE)	
Name (Printed/Typed) ROBYN RUSSELL	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 09/05/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>ACCEPTED</u>	JONATHON SHEPARD Title PETROLEUM ENGINEER	Date 09/07/2018
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 **

Additional data for EC transaction #433917 that would not fit on the form

Wells/Facilities, continued

Agreement	Lease	Well/Fac Name, Number	API Number	Location
NMNM0467932	NMNM0467932	W D MCINTYRE E 5	30-015-30291-00-S1	Sec 20 T17S R30E NESW 1650FSL 1650FWL
NMNM0467932	NMNM0467932	W D MCINTYRE E 5	30-015-30291-00-S2	Sec 20 T17S R30E NESW 1650FSL 1650FWL

32. Additional remarks, continued

7/03/18 RIH w/ 126 jts 2-7/8" tbg, EOT @ 4149. RIH w/ 2-1/2" x 2" x 20' RXBC pump. Hang on.