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Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MAY 03 2019

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

DISTRICT II-ARTESIA O.C.D.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NMLC054280

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No. MCINTYRE A EAST 15

9. API Well No: 30-015-31854

10. Field and Pool, or Exploratory GB JACKSON, SA-Q-G-SA

11. Sec., T., R., M., or Block and Survey or Area Sec 20 T17S R30E Mer

12. County or Parish EDDY 13. State NM

14. Date Spudded 08/01/2001 15. Date T.D. Reached 08/11/2001 16. Date Completed 06/26/2018 D & A Ready to Prod.

17. Elevations (DF, KB, RT, GL)* 3623 GL

18. Total Depth: MD 5064 TVD 19. Plug Back T.D.: MD 4517 TVD 20. Depth Bridge Plug Set: MD 4517 TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CN 22. Was well cored? No Yes (Submit analysis)
Was DST run? No Yes (Submit analysis)
Directional Survey? No Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	8.625 J55	24.0		1230		625			
7.875	5.500 J55	17.0		5033		1050			
17.500	13.375 H40	48.0	0	425		450			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	4378							

25. Producing Intervals 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) SAN ANDRES	3370	3676	3370 TO 3676	0.430	54	OPEN
B) SAN ANDRES	3740	4148	3740 TO 4148	0.430	54	OPEN
C)			4602 TO 4719	0.410	34	CLOSED
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
3370 TO 3676	ACIDIZE W/1246 GALS ACID, FRAC W/529,032 GALS SLICK WATER, 530,250 GALS CLEAN, 546,588 GALS DIRTY,
3740 TO 4148	ACIDIZE W/1848 GALS ACID, FRAC W/629,916 GALS SLICK WATER, 631,764 GALS CLEAN, 648,564 GALS DIRTY,

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
09/03/2018	09/05/2018	24	▶	40.0	75.0	820.0	36.2	0.60	ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI	94.0	▶	40	75	820	1875	POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			▶						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		▶						

(See Instructions and spaces for additional data on reverse side)
 ELECTRONIC SUBMISSION #434570 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
 ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
SAN ANDRES	3022			QUEEN SAN ANDRES GLORIETA	2242 3022 4519

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7. Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #434570 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad**

Name (please print) ROBYN RUSSELL Title REGULATORY ANALYST

Signature _____ (Electronic Submission) Date 09/10/2018

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.

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