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Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

DISTRICT # ARTESIA O.G.D.

5. Lease Serial No. NMNM0467932

1a. Type of Well Oil Well Gas Well Dry Other

b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.
Other _____

6. If Indian, Allottee or Tribe Name _____

7. Unit or CA Agreement Name and No. _____

2. Name of Operator COG OPERATING LLC Contact: ROBYN RUSSELL
E-Mail: rrusell@concho.com

8. Lease Name and Well No. W D MCINTYRE E 8

3. Address 600 W. ILLINOIS AVE MIDLAND, TX 79701 3a. Phone No. (include area code) Ph: 432-685-4385

9. API Well No. 30-015-31787

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface NESW 1650FSL 2250FWL
At top prod interval reported below NESW 1650FSL 2250FWL
At total depth NESW 1650FSL 2250FWL

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 07/09/2001 15. Date T.D. Reached 07/24/2008 16. Date Completed D & A Ready to Prod. 06/15/2018

17. Elevations (DF, KB, RT, GL)* 3647 GL

18. Total Depth: MD 6620 TVD 19. Plug Back T.D.: MD 4312 TVD 20. Depth Bridge Plug Set: MD 4312 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
17.500	13.375 J55	48.0		425		955			
12.250	8.625 J55	24.0		1224		600			
7.875	5.500 J55	17.0		4967		1110			
4.750	4.000 P110	11.3		6603		140			

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	4228							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) SAN ANDRES	3225	3514	3225 TO 3514	0.430	54	OPEN
B) SAN ANDRES	3570	3995	3570 TO 3995	0.430	54	OPEN
C)			4415 TO 5920	0.410	221	CLOSED
D)						

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

Depth Interval	Amount and Type of Material
3225 TO 3514	ACIDIZE W/ 1512 GALS ACID, FRAC W/374,262 GALS BORATE, 3,150 GALS LINER GEL, 4,662 GALS FW,
3570 TO 3995	ACIDIZE W/ 1512 GALS ACID, FRAC W/255,108 GALS BORATE, 3,402 GALS LINER GEL, 3,780 GALS FW,

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
07/24/2018	07/24/2018	24	→	0.0	14.0	405.0	0.0	0.60	ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. 60.0	24 Hr. Rate →	Oil BBL 0	Gas MCF 14	Water BBL 405	Gas:Oil Ratio 0	Well Status 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	

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #436663 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	2902			QUEEN SAN ANDRES GLORIETA	2128 2902 4330

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 #436663 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 09/24/2018

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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