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DISTRICT II-ARTESIA O.C.D.

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Operator Copy

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NMLC057634

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☒ Diff. Resvr.
Other Recompletion

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: rrussell@concho.com

8. Lease Name and Well No. MCINTYRE A WEST 17

3. Address 600 W ILLINOIS AVENUE MIDLAND, TX 79701

3a. Phone No. (include area code) Ph: 432-685-4385

9. API Well No. 30-015-31789-00-S2

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface NWSE 1755FSL 1625FEL

At top prod interval reported below NWSE 1755FSL 1625FEL

At total depth NWSE 1755FSL 1625FEL

10. Field and Pool, or Exploratory GRAYBURG JACKSON-SR-Q-GRBG-SA

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

12. County or Parish EDDY

13. State NM

14. Date Spudded 06/23/2001

15. Date T.D. Reached 07/07/2001

16. Date Completed ☐ D & A ☒ Ready to Prod. 07/09/2018

17. Elevations (DF, KB, RT, GL)* 3630 GL

18. Total Depth: MD 5050 TVD

19. Plug Back T.D.: MD 4355 TVD

20. Depth Bridge Plug Set: MD 4355 TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CNL/FDC DLL 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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	8.625 J55	24.0		1231		625			
17.500	13.370 H-40	48.0	0	422		450		0	
7.875	5.500 J-55	17.0	0	5029		975		0	

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	4265							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	SAN ANDRES	3630	3987	3215 TO 3572	0.430	54	OPEN - SAN ANDRES
B)				3630 TO 3987	0.430	54	OPEN - SAN ANDRES
C)				4442 TO 4871	0.410	119	CLOSED - Paddock
D)							

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

Depth Interval	Amount and Type of Material
3215 TO 3572	ACIDIZE W/ 1260 GALS ACID, FRAC W/238,140 GALS BORATE, 3,444 GALS LINER GEL, 3,990 GALS FW,
3651 TO 4000	ACIDIZE W/ 1764 GALS ACID, FRAC W/254,447 GALS BORATE, 3,234 GALS LINER GEL, 4,326 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
08/11/2018	08/17/2018	24	→	88.0	120.0	1169.0	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
		60.0	→	88	120	1169	1364	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 #436077 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

ACCEPTED FOR RECORD
OCT 29 2018
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

Reclamation Due: 1/9/2019

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	2906			QUEEN	2144
				SAN ANDRES	2906
				GLORIETA	4358

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 #436077 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by DINAH NEGRETE on 10/29/2018 (19DCN0005SE)

Name *(please print)* ROBYN RUSSELL Title REGULATORY ANALYST

Signature (Electronic Submission) Date 09/19/2018

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 fradulent statements or representations as to any matter within its jurisdiction.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****