NM OIL CONSERVATION ARTESIA DISTRICT APR 12 2016 RECEIVED NMOCD Artesia

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

5. Lease Serial No.: NMLC028793A

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.: NMNM88525X

2. Name of Operator: COG OPERATING LLC
Contact: KANICIA CASTILLO
E-Mail: kcastillo@concho.com

8. Lease Name and Well No.: BURCH KEELY UNIT 363

3. Address: 600 W ILLINOIS AVENUE, MIDLAND, TX 79701
3a. Phone No. (include area code): Ph: 432-685-4332

9. API Well No.: 30-015-32992-00-S2

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface: SENE 1750FSL 1070FWL
At top prod interval reported below: SENE 1750FSL 1070FWL
At total depth: SENE 1750FSL 1070FWL

10. Field and Pool, or Exploratory: GRAYBURG JACKSON

11. Sec., T., R., M., or Block and Survey or Area: Sec 19 T17S R30E Mer NMP

12. County or Parish: EDDY
13. State: NM

14. Date Spudded: 03/27/2005
15. Date T.D. Reached: 04/05/2005
16. Date Completed: ☐ D & A ☒ Ready to Prod. 08/06/2015
17. Elevations (DF, KB, RT, GL)*: 3618 GL

18. Total Depth: MD 4750 TVD 4750
19. Plug Back T.D.: MD 4174 TVD 4174
20. Depth Bridge Plug Set: MD 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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.375	8.625 J55	24.0	0	329		300		0	
7.875	5.500 J55	17.0	0	4743		1200		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	4129							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	SAN ANDRES	3759	4044	2927 TO 4044	0.410	201	OPEN
B)				4224 TO 4557	0.410	80	CLOSED CFP @ 4174 - PLAN TO
C)							
D)							

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

Depth Interval	Amount and Type of Material
2927 TO 4044	ACIDIZE W/9,000 GALS 15% ACID.
2927 TO 4044	FRAC W/320,027 GALS GEL, 260,568# 16/30 BRADY SAND, 54,798# 16/30 SUPER LC.
4224 TO 4557	ACIDIZE W/2500 GALS 15% ACID.
4224 TO 4557	FRAC W/ 206,286 GALS GEL, 221,005# 16/30 BRADY SAND, 28,480# 16/30 SUPER LC.

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
08/07/2015	08/21/2015	24	→	28.0	9.0	72.0	37.9	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
			→	28	9	72		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
			→					

ACCEPTED FOR RECORD
/S/ DAVID R. GLASS
APR 13 2016

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

ELECTRONIC SUBMISSION #315628 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

DAVID R. GLASS
PETROLEUM ENGINEER

Reclamation Due:
FEB 06 2016

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
RUSTLER	260	472		RUSTLER	260
TOP SALT	472	790		TOP SALT	472
BASE OF SALT	790	1086		BASE OF SALT	790
YATES	1086	1991		YATES	1086
QUEEN	1991	2704		QUEEN	1991
SAN ANDRES	2704	4142		SAN ANDRES	2704
GLORIETA YESO	4142	4750		GLORIETA YESO	4142

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 #315628 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by DEBORAH HAM on 12/22/2015 (16DMH0108SE)

Name *(please print)* KANICIA CASTILLO Title PREPARER

Signature (Electronic Submission) Date 09/04/2015

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 ****