NM OIL CONSERVATION
ARTESIA DISTRICT
OCD 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

RECEIVED

5. Lease Serial No. NMLC028784B

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: CHASITY JACKSON
E-Mail: cjackson@concho.com

8. Lease Name and Well No. BURCH KEELY UNIT 604

3. Address ONE CONCHO CENTER 600 W. ILLINOIS AVE MIDLAND, TX 79701
3a. Phone No. (include area code) Ph: 432-686-3087

9. API Well No. 30-015-40663

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface SENE 1355FNL 1310FEL
At top prod interval reported below SENE 1355FNL 1310FEL
At total depth SENE 1355FNL 1310FEL

10. Field and Pool, or Exploratory BURCH KEELY

11. Sec., T., R., M., or Block and Survey or Area Sec 23 T17S R29E Mer NMP

12. County or Parish EDDY
13. State NM

14. Date Spudded 08/28/2014
15. Date T.D. Reached 09/03/2014
16. Date Completed ☐ D & A ☒ Ready to Prod. 10/03/2014
17. Elevations (DF, KB, RT, GL)* 3599 GL

18. Total Depth: MD 4770 TVD 4770
19. Plug Back T.D.: MD 4710 TVD 4710
20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
COMPENSATED NEUTRON CCL/HNGS

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
17.500	13.375 H40	54.5		344		400			
11.000	8.625 J55	24.0		977		500			
7.875	5.500 J55	17.0		4758		900			

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	4551							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	YESO	4107	4409	4107 TO 4409	0.430	52	OPEN
B)							
C)							
D)							

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

Depth Interval	Amount and Type of Material
4107 TO 4409	ACIDIZE W/1,145 GALS 15% ACID.
4107 TO 4409	FRAC W/215,093 GALS GEL 222,230# 16/30 BRADY SAND, 31,209# 16/30 SLC.

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
10/12/2014	10/14/2014	24	→	39.0	93.0	202.0	37.4	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
			→	39	93	202	2385	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
JAN 14 2015
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #272930 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

RECLAMATION
DUE 4/14/15

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
TANSIL	868		LIMESTONE & DOLOMITE	TANSIL	868
YATES	974		SANDSTONE	YATES	974
QUEEN	1873		SANDSTONE & DOLOMITE	QUEEN	1873
GRAYBURG	2255		SANDSTONE & DOLOMITE	GRAYBURG	2255
SAN ANDRES	2567		DOLOMITE & LIMESTONE	SAN ANDRES	2567
GLORIETA	4019		SANDSTONE	GLORIETA	4019
YESO	4080		DOLOMITE & ANHYDRITE	YESO	4080

32. Additional remarks (include plugging procedure):
will mail log.

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 #272930 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by DEBORAH HAM on 01/02/2015 ()

Name(*please print*) CHASITY JACKSON Title PREPARER

Signature (Electronic Submission) Date 10/23/2014

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.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****