Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
OCD Artesia
JUL 06 2018
DISTRICT II-ARTESIA O.C.D.

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NMLC028784A

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 944H

3. Address 600 W ILLINOIS AVENUE MIDLAND, TX 79701

3a. Phone No. (include area code) Ph: 432-685-4332

9. API Well No. 30-015-44079-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface SESE 1035FSL 149FEL 32.830124 N Lat, 104.020149 W Lon Sec 13 T17S R29E Mer NMP
At top prod interval reported below SESE 990FSL 264FWL 32.829887 N Lat, 104.018295 W Lon Sec 18 T17S R29E Mer NMP
At total depth SESE 967FSL 232FEL 32.830009 N Lat, 104.003822 W Lon

10. Field and Pool, or Exploratory BURCH KEELY-GLORIETA-UPPER YES

11. Sec., T., R., M., or Block and Survey or Area Sec 13 T17S R29E Mer NMP

12. County or Parish EDDY — 13. State NM

14. Date Spudded 04/18/2017 — 15. Date T.D. Reached 04/29/2017 — 16. Date Completed ☐ D & A ☒ Ready to Prod. 06/27/2017

17. Elevations (DF, KB, RT, GL)* 3631 GL

18. Total Depth: MD 9940 TVD 4873 — 19. Plug Back T.D.: MD 9870 TVD 4873 — 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
12.250	9.625 J55	40.0		1118		475		0	
8.750	7.000 L80	29.0		4245					
17.500	13.375 J55	54.5	0	327		400		0	
8.750	5.000 L80	17.0	4245	9940		2050		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	5203							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	GLORIETA YESO			5082 TO 9842	0.430	1080	OPEN - GL-Yeso
B)	YESO	5082	9842				
C)							
D)							

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

Depth Interval	Amount and Type of Material
5082 TO 9842	ACIDIZE W/ 118,944 15% ACID, FRAC W/ 347,802 GALS TREATED WATER, 9,706,7088 GALS SLICK WATER,

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
06/28/2017	07/02/2017	24	→	335.0	392.0	915.0			ELECTRIC PUMP SUB-SURFACE

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→	335	392	915	1170	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
06/28/2017	07/02/2017	24	→	335.0	392.0	915.0	39.0	0.60	ELECTRIC PUMP SUB-SURFACE

Choke Size	Tbg. Press. Flwg. SI	Csg. Press. 70.0	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→	288	206	3000	715	POW

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

ELECTRONIC SUBMISSION #383041 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED

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

Reclamation Due: 12/27/2017

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	232		ANHYDRITE	RUSTLER	232
QUEEN	1951		SANDSTONE	QUEEN	1951
GRAYBURG	2354		DOLOMITE & ANHYDRITE	GRAYBURG	2354
SAN ANDRES	2661		DOLOMITE & ANHYDRITE	SAN ANDRES	2661
PADDOCK	4129		DOLOMITE	PADDOCK	4129
BLINEBRY	4691		DOLOMITE	BLINEBRY	4691

32. Additional remarks (include plugging procedure):
Logs will be submitted in WIS.

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 #383041 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by DUNCAN WHITLOCK on 09/11/2017 (17DW0112SE)

Name *(please print)* KANICIA CASTILLO Title PREPARER

Signature (Electronic Submission) Date 07/28/2017

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 ****

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-015-44079	97918	Burch Keely; Glorieta-Upper Yeso

[4] Property Code	[5] Property Name	[6] Well Number
308086	BURCH KEELY UNIT	944H

[7] OGRID No.	[8] Operator Name	[9] Elevation
229137	COG OPERATING, LLC	3631'

[10] Surface Location

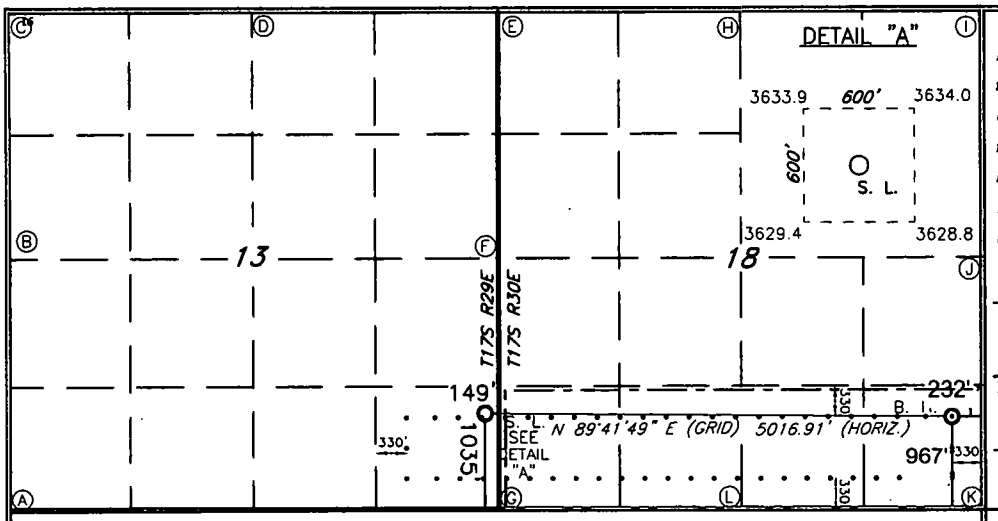
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	13	17-S	29-E		1035	SOUTH	149	EAST	EDDY

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	18	17-S	30-E		967	SOUTH	232	EAST	EDDY

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
157.45			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



CORNER DATA
NAD 83 GRID – NM EAST

A: FND 1" STEEL PIPE W/1/2" RBR INSIDE
N 664828.6 – E 632407.9

B: FND 1 1/2" STL PIPE BENT OVER W/BRASS CAP BROKE OFF
N 667466.5 – E 632401.1

C: FND USGLO BRASS CAP 1914
N 670105.4 – E 632395.3

D: FND USGLO BRASS CAP 1914
N 670111.9 – E 635036.0

E: FND USGLO BRASS CAP 1914
N 670118.1 – E 637673.2

F: FND USGLO BRASS CAP 1914
N 667480.8 – E 637682.3

G: FND USGLO BRASS CAP 1914
N 664840.4 – E 637685.9

H: FND USGLO BRASS CAP 1916
N 670128.3 – E 640226.3

I: FND USGLO BRASS CAP 1916
N 670140.1 – E 642866.3

J: FND USGLO BRASS CAP 1916
N 667500.6 – E 642875.3

K: FND USGLO BRASS CAP 1916
N 664860.0 – E 642884.4

L: FND BLM BRASS CAP 1997
N 664849.8 – E 640242.9

GEODETIC DATA
NAD 83 GRID – NM EAST

SURFACE LOCATION
N 665875.0 – E 637535.5
LAT: 32.83012510° N
LONG: 104.02015134° W

BOTTOM LOCATION
N 665848.4 – E 642551.1
LAT: 32.83001033° N
LONG: 104.00382320° W

[17] OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature — Date: 7/28/17

Kanicia Castillo
Printed Name

kcastillo@concho.com
E-mail Address

[18] SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

7/9/13
Date of Survey

Signature and Seal of Professional Surveyor:

ROBERT M. HOWETT
NEW MEXICO
19680
PROFESSIONAL SURVEYOR

19680
Certificate Number