

RECEIVED

Form 3160-4  
(August 2007)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTJUN 06 2018  
ArtesiaFORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010WELL COMPLETION OR RECOMPLETION REPORT AND LOG  
DISTRICT II-ARTESIA O.C.D.5. Lease Serial No.  
NMLC028784A1a. 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.  
NMNM88525X2. Name of Operator  
COG OPERATING LLC  
Contact: KANICIA CASTILLO  
E-Mail: kcastillo@concho.com8. Lease Name and Well No.  
BURCH KEELY UNIT 942H3. Address 600 W ILLINOIS AVENUE  
MIDLAND, TX 797013a. Phone No. (include area code)  
Ph: 432-685-43329. API Well No.  
30-015-44081-00-S1

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

Sec 13 T17S R29E Mer NMP  
At surface Lot I 2285FSL 230FEL 32.833561 N Lat, 104.020409 W LonSec 18 T17S R30E Mer NMP  
At top prod interval reported below Lot L 2245FSL 330FWLSec 18 T17S R30E Mer NMP  
At total depth Lot I 2298FSL 220FEL 32.833637 N Lat, 104.003822 W Lon10. Field and Pool, or Exploratory  
BURCH KEELY-GLORIETA-UPPER YES11. Sec., T., R., M., or Block and Survey  
or Area Sec 13 T17S R29E Mer NMP12. County or Parish  
EDDY13. State  
NM14. Date Spudded  
04/02/201715. Date T.D. Reached  
04/14/201716. Date Completed  
☐ D & A ☒ Ready to Prod.  
07/15/201717. Elevations (DF, KB, RT, GL)\*  
3635 GL18. Total Depth: MD  
TVD 9956  
486819. Plug Back T.D.: MD  
TVD 9891  
486820. Depth Bridge Plug Set: MD  
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
CN22. 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 J55	54.5	0	332		1000		0	
12.250	9.625 J55	40.0	0	1166		425		0	
8.750	7.000 L80	29.0	0	4262					
8.750	5.000 L80	17.0	4262	9956		1950		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	5420							

## 25. Producing Intervals

## 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA YESO			5082 TO 9847	0.430	1008	OPEN - GL-Yeso
B) YESO	5082	9847				
C)						
D)						

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

Depth Interval	Amount and Type of Material
5082 TO 9847	ACIDIZE W/ 121,172 15% ACID, FRAC W/ 372,918 GALS TREATED WATER, 9,806,958 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
07/16/2017	07/19/2017	24	→	283.0	434.0	948.0	39.3	0.60	ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI		70.0	→	283	434	948	1534	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
07/16/2017	07/19/2017	24	→	283.0	434.0	948.0	39.3	0.60	ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI		70.0	→	283	434	948	1533	POW	

ACCEPTED FOR RECORD

JUN 29 2018  
ELECTRIC PUMP SUB-SURFACEBUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #384139 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

Reclamation Due: 1/15/2018

## 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				QUEEN	1966
QUEEN	1966		SANDSTONE	GRAYBURG	2363
GRAYBURG	2363		DOLOMITE & ANHYDRITE	SAN ANDRES	2671
SAN ANDRES	2671		DOLOMITE & ANHYDRITE	PADDOCK	4147
PADDOCK	4147		DOLOMITE	BLINEBRY	4689
BLINEBRY	4689		DOLOMITE		

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

OCD logs will be mailed.

## 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 #384139 Verified by the BLM Well Information System.  
For COG OPERATING LLC, sent to the Carlsbad  
Committed to AFMSS for processing by DUNCAN WHITLOCK on 09/12/2017 (17DW0116SE)

Name (please print) KANICIA CASTILLO

Title PREPARER

Signature \_\_\_\_\_ (Electronic Submission)

Date 08/08/2017

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

**\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\***

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-9720  
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

<sup>1</sup> API Number <b>30-015-44081</b>	<sup>2</sup> Pool Code <b>97918</b>	<sup>3</sup> Pool Name <b>Burch Keely; Glorieta - Upper Yeso</b>
<sup>4</sup> Property Code <b>308086</b>	<sup>5</sup> Property Name <b>BURCH KEELY UNIT</b>	
<sup>7</sup> OGRID No. <b>229137</b>	<sup>8</sup> Operator Name <b>COG OPERATING, LLC</b>	<sup>6</sup> Well Number <b>942H</b>
		<sup>9</sup> Elevation <b>3635'</b>

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>I</b>	<b>13</b>	<b>17-S</b>	<b>29-E</b>		<b>2285</b>	<b>SOUTH</b>	<b>230</b>	<b>EAST</b>	<b>EDDY</b>

<sup>11</sup> 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
<b>I</b>	<b>18</b>	<b>17-S</b>	<b>30-E</b>		<b>2298</b>	<b>SOUTH</b>	<b>220</b>	<b>EAST</b>	<b>EDDY</b>

<sup>12</sup> Dedicated Acres <b>157.39</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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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.

		<p><b><sup>17</sup> OPERATOR CERTIFICATION</b> 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 undivided 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.</p> <p><i>[Signature]</i> <b>8/8/17</b> Signature Date <b>Kanicia Castillo</b> Printed Name <b>kcastillo@concho.com</b> E-mail Address</p>
<p><b>CORNER DATA</b> NAD 83 GRID - NM EAST</p> <p>A: FND 1" STEEL PIPE W/1/2" RBR INSIDE N 664828.6 - E 632407.9</p> <p>B: FND 1 1/2" STL PIPE BENT OVER W/BRASS CAP BROKE OFF N 667466.5 - E 632401.1</p> <p>C: FND USGLO BRASS CAP 1914 N 670105.4 - E 632395.3</p> <p>D: FND USGLO BRASS CAP 1914 N 670111.9 - E 635036.0</p> <p>E: FND USGLO BRASS CAP 1914 N 670118.1 - E 637673.2</p> <p>F: FND USGLO BRASS CAP 1914 N 667480.8 - E 637682.3</p>		<p><b>GEODETIC DATA</b> NAD 83 GRID - NM EAST</p> <p><b>SURFACE LOCATION</b> N 667124.4 - E 637453.0 LAT: 32.83356011' N LONG: 104.02040784' W</p> <p><b>BOTTOM LOCATION</b> N 667168.1 - E 642546.6 LAT: 32.83363756' N LONG: 104.00382457' W</p>
<p><b><sup>18</sup> SURVEYOR CERTIFICATION</b> 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.</p> <p><b>7/8/13</b> Date of Survey</p> <p><i>[Signature]</i> Signature and Seal of Professional Surveyor</p> <p><b>19680</b> Certificate Number</p>		