

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources

NM OIL CONSERVATION

ARTESIA DISTRICT

Form C-104

Revised August 1, 2011

AUG 11 2017  
Submit one copy to appropriate District Office

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

RECEIVED ☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

<sup>1</sup> Operator name and Address <b>COG Operating LLC</b> One Concho Center 600 W. Illinois Ave. Midland, TX 79701		<sup>2</sup> OGRID Number <b>229137</b>
		<sup>3</sup> Reason for Filing Code/ Effective Date NW Effective 7/7/17
<sup>4</sup> API Number <b>30 - 015-44067</b>	<sup>5</sup> Pool Name <b>Burch Keely; Glorieta-Upper, Yeso</b>	<sup>6</sup> Pool Code <b>97918</b>
<sup>7</sup> Property Code <b>308086</b>	<sup>8</sup> Property Name <b>Burch Keely Unit</b>	<sup>9</sup> Well Number <b>966H</b>

II. <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
L	19	17S	30E		1957	South	290	West	Eddy

<sup>11</sup> Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	19	17S	30E		2283	South	249	East	Eddy
<sup>12</sup> Lse Code P	<sup>13</sup> Producing Method Code P	<sup>14</sup> Gas Connection Date 7/7/17	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date				

III. Oil and Gas Transporters

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> O/G/W
	Conoco Phillips	O
	Frontier Energy Services	G

IV. Well Completion Data

<sup>21</sup> Spud Date 3/19/17	<sup>22</sup> Ready Date 7/7/17	<sup>23</sup> TD 9581MD 4889TVD	<sup>24</sup> PBDT 9,507	<sup>25</sup> Perforations 5103 - 9487	<sup>26</sup> DHC, MC
<sup>27</sup> Hole Size	<sup>28</sup> Casing & Tubing Size	<sup>29</sup> Depth Set	<sup>30</sup> Sacks Cement		
17-1/2	13-3/8	290	400sx		
12-1/4	9-5/8	1082	525sx		
8-3/4	7	4250			
8-3/4	5-1/2	9,571	2050sx		
	2-7/8 tbg	5405			

V. Well Test Data

<sup>31</sup> Date New Oil 7/8/17	<sup>32</sup> Gas Delivery Date 7/8/17	<sup>33</sup> Test Date 7/10/17	<sup>34</sup> Test Length 24hrs	<sup>35</sup> Tbg. Pressure 70	<sup>36</sup> Csg. Pressure 70
<sup>37</sup> Choke Size	<sup>38</sup> Oil 283	<sup>39</sup> Water 1339	<sup>40</sup> Gas 370		<sup>41</sup> Test Method P

<sup>42</sup> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.  
Signature:



Printed name:  
Kanicia Castillo

Title:  
Lead Regulatory Analyst

E-mail Address:  
kcastillo@concho.com

Date:  
8/04/17

Phone:  
432-685-4332

OIL CONSERVATION DIVISION

Approved by:



Title:  
Geologist

Approval Date:  
8-22-17

Pending BLM approvals will  
subsequently be reviewed  
and scanned



Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION  
ARTESIA DISTRICT

AUG 11 2017

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

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 966H

3. Address 600 W ILLINOIS AVE ONE CONCHO CENTER  
MIDLAND, TX 79701

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

9. API Well No.  
30-015-44067

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

At surface Lot L 1957FSL 290FWL

At top prod interval reported below Lot L 2265FSL 330FWL

At total depth Lot L 2283FSL 249FEL

10. Field and Pool, or Exploratory  
BK;GLORIETA-UPPER YESO

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  
03/19/2017

15. Date T.D. Reached  
03/31/2017

16. Date Completed  
☐ D & A ☒ Ready to Prod.  
07/07/2017

17. Elevations (DF, KB, RT, GL)\*  
3622 GL

18. Total Depth: MD 9581  
TVD 4889

19. Plug Back T.D.: MD 9507  
TVD 4889

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	9.625 J55	40.0		1082		525			
8.750	7.000 L80	29.0		4250					
8.750	5.000 L80	17.0		9571		2050			
17.500	13.375 J55	54.5	0	290		400		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	5405							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	5103	9487	5103 TO 9487	0.430	1008	OPEN
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
5103 TO 9487	ACIDIZE W/ 110,880 15% ACID, FRAC W/ 378,084 GALS TREATED WATER, 6,980,862 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
07/08/2017	07/10/2017	24	→	283.0	370.0	1339.0	37.9	0.60	ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. 70.0	24 Hr. Rate →	Oil BBL 283	Gas MCF 370	Water BBL 1339	Gas:Oil Ratio 1307	Well Status 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
			→					
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status

Pending BLM approvals will  
subsequently be reviewed  
and scanned

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

ELECTRONIC SUBMISSION #383736 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

SC 8-22-17

## 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	1973
QUEEN	1973		SANDSTONE	GRAYBURG	2356
GRAYBURG	2356		DOLOMITE & ANHYDRITE	SAN ANDRES	2686
SAN ANDRES	2686		DOLOMITE & ANHYDRITE	PADDOCK	4198
PADDOCK	4198		DOLOMITE	BLINEBRY	4774
BLINEBRY	4774		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 #383736 Verified by the BLM Well Information System.  
For COG OPERATING LLC, sent to the Carlsbad

Name (please print) KANICIA CASTILLO

Title PREPARER

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

Date 08/03/2017

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.

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018

<b>SUBMIT IN TRIPLICATE - Other instructions on page 2</b>		5. Lease Serial No. NMLC028793A
		6. If Indian, Allottee or Tribe Name
		7. If Unit or CA/Agreement, Name and/or No.
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. BURCH KEELY UNIT 966H
2. Name of Operator COG OPERATING LLC Contact: KANICIA CASTILLO E-Mail: kcastillo@concho.com		9. API Well No. 30-015-44067
3a. Address 600 W ILLINOIS AVE MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-685-4332	10. Field and Pool or Exploratory Area BK;GLORIETA-UPPER YESO
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 19 T17S R30E Mer NMP 1957FSL 290FWL		11. County or Parish, State EDDY COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Drilling Operations
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

4/05/17 Drilled 10' of new formation from 9571 to 9581. Circ clean. Acidize w/2500 gals acid.  
4/20/17 Test csg to 6046psi for 30min, good test.  
6/21/17 - 6/26/17 Perf 28 stages @ 5103 ? 9487 w/6 SPF, 1008 holes. Acidize 28 stages w/110,880 gals 15% HCL. Frac w/378,084 gals treated water, 6,980,862 gals slick water, 2,086,240# 100 mesh sand, 3,796,860# 40/70 white sand, 787,600# 40/70 RCS.  
6/30/17 ? 7/05/17 Drill out plugs. Clean out to PSTD 9507.  
7/07/17 RIH w/ESP, 176jts 2-7/8" J55 tbg, EOT @ 5405. Hang on.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT  
AUG 11 2017

RECEIVED

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #383409 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad</b>	
Name (Printed/Typed) KANICIA CASTILLO	Title PREPARER
Signature (Electronic Submission)	Date 08/01/2017

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By _____ Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Title _____ Office _____ Pending BLM approvals will subsequently be reviewed and scanned JC 8-22-17
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowing States any false, fictitious or fraudulent statements or representations as to any matter within its jurisd	

(Instructions on page 2)

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 20185. Lease Serial No.  
NMLC028793A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

**SUBMIT IN TRIPLICATE - Other instructions on page 2**1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.  
BURCH KEELY UNIT 966H2. Name of Operator  
COG OPERATING LLCContact: KANICIA CASTILLO  
E-Mail: kcastillo@concho.com9. API Well No.  
30-015-440673a. Address  
600 W ILLINOIS AVE  
MIDLAND, TX 797013b. Phone No. (include area code)  
Ph: 432-685-433210. Field and Pool or Exploratory Area  
BK;GLORIETA-UPPER YESO

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 19 T17S R30E Mer NMP 1957FSL 290FWL

11. County or Parish, State  
EDDY COUNTY, NM**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Drilling Operations
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompletable horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletable in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

OCD requested csg tests.

3/21/17 13-3/8 csg tested to 1900psi for 30min, good test.

3/22/17 9-5/8 csg tested to 1500psi for 30min, good test.

NMLC OIL CONSERVATION  
ARTESIA DISTRICT

AUG 18 2017

RECEIVED

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #385057 verified by the BLM Well Information System  
For COG OPERATING LLC, sent to the Carlsbad**

Name (Printed/Typed) KANICIA CASTILLO

Title PREPARER

Signature (Electronic Submission)

Date 08/17/2017

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By

Title

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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Initialed

(Instructions on page 2)

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