

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

Form C-104  
Revised August 1, 2011

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

Submit one copy to appropriate District Office

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 229137
		<sup>3</sup> Reason for Filing Code/ Effective Date NW Effective 7/16/17
<sup>4</sup> API Number 30 - 015-44080	<sup>5</sup> Pool Name Burch Keely; Glorieta-Upper, Yeso	<sup>6</sup> Pool Code 97918
<sup>7</sup> Property Code 308086	<sup>8</sup> Property Name Burch Keely Unit	<sup>9</sup> Well Number 940H

**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
H	13	17S	29E		1650	North	195	East	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
H	18	17S	30E		1670	North	220	East	Eddy
<sup>12</sup> Lse Code P	<sup>13</sup> Producing Method Code P	<sup>14</sup> Gas Connection Date 7/16/17	<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
	Holly Frontier	O
	DCP Midstream	G
	Frontier Energy Services <b>NM OIL CONSERVATION</b> ARTESIA DISTRICT AUG 30 2017	G

**IV. Well Completion Data**

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<sup>21</sup> Spud Date 5/01/17	<sup>22</sup> Ready Date 7/16/17	ID 9980 MD 4867TVD	<sup>24</sup> PBDT 9901	<sup>25</sup> Perforations 5100 - 9860	<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	332	1000sx		
12-1/4	9-5/8	1144	475sx		
8-3/4	7	4286			
8-3/4	5-1/2	9970	2100sx		
	2-7/8 tbg	5383			

**V. Well Test Data**

<sup>31</sup> Date New Oil 7/18/17	<sup>32</sup> Gas Delivery Date 7/18/17	<sup>33</sup> Test Date 7/21/17	<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 400	<sup>39</sup> Water 1645	<sup>40</sup> Gas 205	<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:  
8/21/17

Phone:  
432-685-4332

OIL CONSERVATION DIVISION	
Approved by:	
Title:	Geologist.
Approval Date:	9-11-2017
Pending BLM approvals will subsequently be reviewed and scanned	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION  
ARTESIA DISTRICT

AUG 30 2017

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

WELL COMPLETION OR RECOMPLETION REPORT **RECEIVED**

5. Lease Serial No.  
NMLC028784C

1a. Type of Well  Oil Well  Gas Well  Dry  Other  
 b. Type of Completion  New Well  Work Over  Deepen  Plug Back  Diff. Resvr.  
 Other \_\_\_\_\_

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

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

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 Sec 13 T17S R29E Mer NMP  
 At surface Lot H 1650FNL 195FEL  
 Sec 18 T17S R30E Mer NMP  
 At top prod interval reported below 1661FNL 330FWL  
 Sec 18 T17S R30E Mer NMP  
 At total depth Lot H 1670FNL 220FEL

6. If Indian, Allottee or Tribe Name  
 7. Unit or CA Agreement Name and No.  
 8. Lease Name and Well No.  
BURCH KEELY UNIT 940H  
 9. API Well No. 30-015-44080  
 10. Field and Pool, or Exploratory  
BK;GLORIETA-UPPER YESO  
 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 02/21/2017  
 15. Date T.D. Reached 02/11/2017  
 16. Date Completed  D & A  Ready to Prod.  
04/19/2017  
 17. Elevations (DF, KB, RT, GL)\*  
3569 GL

18. Total Depth: MD ~~9930~~ 9430  
TVD ~~4867~~ 4821  
 19. Plug Back T.D.: MD ~~9350~~ 9901  
TVD  
 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		1144		475			
8.750	7.000 L80	29.0		4286					
8.750	5.500 L80	17.0		9970		2100			
17.500	13.375 J55	54.5	0	332		1000		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	5383							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	5100	9860	5100 TO 9860	0.430	1080	OPEN
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
5100 TO 9860	ACIDIZE W/ 118,440 15% ACID, FRAC W/ 338,352 GALS TREATED WATER, 9,240,882 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
07/18/2017	07/21/2017	24	→	400.0	205.0	1645.0	38.6	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	→	400	205	1645	513	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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI			→						

(See Instructions and spaces for additional data on reverse side)  
 ELECTRONIC SUBMISSION #386320 VERIFIED BY THE BLM WELL INFORMATION S  
 \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED

Pending BLM approvals will subsequently be reviewed and scanned

SC 9-12-17

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	256		SANDSTONE DOLOMITE & ANHYDRITE DOLOMITE & ANHYDRITE DOLOMITE	RUSTLER	256
QUEEN	1984			QUEEN	1984
GRAYBURG	2354			GRAYBURG	2354
SAN ANDRES	2682			SAN ANDRES	2682
PADDOCK	4179			PADDOCK	4179

32. Additional remarks (include plugging procedure):  
 Logs will be submitted in WIS.  
 OCD logs will be mailed.  
 5/3/17 Pressure test 13-3/8 casing to 1900psi for 30min, good test.  
 5/4/17 Pressure test 9-5/8 casing to 1500psi for 30min, good test.

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 #386320 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 08/28/2017

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 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

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

**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.*

5. Lease Serial No.  
NMLC028784C

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

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

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
BURCH KEELY UNIT 940H

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

9. API Well No.  
30-015-44080

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 13 T17S R29E Mer NMP 1650FNL 195FEL

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 recomplete 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 recompletion 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.

5/23/17 Drilled 10' of new formation from to 9980 new TD. Circ clean. Acidize w/2500 gals acid.  
5/24/17 Pressure test frac valve to 7500#, good test.  
6/06/17 Test csg to 6227psi for 30min, good test.  
6/06/17 ? 7/02/17 Perf 30 stages @ 5100 ? 9860 w/6 SPF, 1080 holes. Acidize 30 stages w/118,440 gals 15% HCL. Frac w/338,352 gals treated water, 9,240,882 gals slick water, 3,004,020# 100 mesh sand, 5,415,900# 40/70 white sand, 1,165,520# 40/70 RCS.  
7/10/17 ? 7/12/17 Drill out plugs. Clean out to PBTD 9901.  
7/16/17 RIH w/ESP, 162jts 2-7/8" J55 tbg, EOT @ 5383. Hang on.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT  
AUG 30 2017  
RECEIVED

14. I hereby certify that the foregoing is true and correct.  
**Electronic Submission #384233 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 08/09/2017

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

Approved By _____	Title _____	Date _____
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 _____

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 any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction of the United States any false, fictitious or fraudulent statements or representations as to any matter within its

(Instructions on page 2)

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

Pending BLM approvals will subsequently be reviewed and scanned

SC 9-12-17