

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 <b>229137</b>
		<sup>3</sup> Reason for Filing Code/ Effective Date NW Effective 10/22/14
<sup>4</sup> API Number <b>30 - 015-40885</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>900</b>

**II. <sup>10</sup> Surface Location**

UL or lot no. <b>I</b>	Section <b>23</b>	Township <b>17S</b>	Range <b>29E</b>	Lot Idn	Feet from the <b>2344</b>	North/South Line <b>South</b>	Feet from the <b>106</b>	East/West line <b>East</b>	County <b>Eddy</b>
---------------------------	----------------------	------------------------	---------------------	---------	------------------------------	----------------------------------	-----------------------------	-------------------------------	-----------------------

**<sup>11</sup> Bottom Hole Location**

UL or lot no. <b>E</b>	Section <b>24</b>	Township <b>17S</b>	Range <b>29E</b>	Lot Idn	Feet from the <b>2626</b>	North/South line <b>North</b>	Feet from the <b>90</b>	East/West line <b>West</b>	County <b>Eddy</b>
---------------------------	----------------------	------------------------	---------------------	---------	------------------------------	----------------------------------	----------------------------	-------------------------------	-----------------------

<sup>12</sup> Lse Code <b>F</b>	<sup>13</sup> Producing Method Code <b>P</b>	<sup>14</sup> Gas Connection Date <b>10/22/14</b>	<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
<b>5097</b>	<b>Conoco Inc.</b>	<b>O</b>
<b>221115</b>	<b>Frontier Field Services</b>	<b>G</b>
<b>NM OIL CONSERVATION</b> ARTESIA DISTRICT <b>NOV 17 2014</b>		
<b>RECEIVED</b>		

**IV. Well Completion Data**

<sup>21</sup> Spud Date <b>9/15/14</b>	<sup>22</sup> Ready Date <b>10/22/14</b>	<sup>23</sup> TD <b>4815 4799</b>	<sup>24</sup> PBDT <b>4753</b>	<sup>25</sup> Perforations <b>4080 - 4382</b>	<sup>26</sup> DHC, MC
<sup>27</sup> Hole Size <b>17-1/2</b>	<sup>28</sup> Casing & Tubing Size <b>13-3/8</b>	<sup>29</sup> Depth Set <b>360</b>	<sup>30</sup> Sacks Cement <b>986sx</b>		
<b>11</b>	<b>8-5/8</b>	<b>975</b>	<b>500sx</b>		
<b>7-7/8</b>	<b>5-1/2</b>	<b>4795</b>	<b>900sx</b>		
	<b>2-7/8 tbq</b>	<b>4524</b>			

**V. Well Test Data**

<sup>31</sup> Date New Oil <b>10/23/14</b>	<sup>32</sup> Gas Delivery Date <b>10/23/14</b>	<sup>33</sup> Test Date <b>10/25/14</b>	<sup>34</sup> Test Length <b>24</b>	<sup>35</sup> Tbg. Pressure <b>70</b>	<sup>36</sup> Csg. Pressure <b>70</b>
<sup>37</sup> Choke Size	<sup>38</sup> Oil <b>73</b>	<sup>39</sup> Water <b>157</b>	<sup>40</sup> Gas <b>107</b>	<sup>41</sup> Test Method <b>P</b>	

<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:

*Chasity Jackson*

Printed name:

Chasity Jackson

Title:

Regulatory Analyst

E-mail Address:

cjackson@concho.com

Date:

11/12/14

Phone:

432-686-3087

OIL CONSERVATION DIVISION

Approved by:

*Dr. Dade*

Title:

*Dist. J. Spewison*

Approval Date:

*12/16/14*

Pending BLM approvals will subsequently be reviewed and scanned

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010**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.  
NMLC028784A

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**7. If Unit or CA/Agreement, Name and/or No.  
NMNM88525X

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.  
BURCH KEELY UNIT 9002. Name of Operator  
COG OPERATING LLCContact: CHASITY JACKSON  
E-Mail: cjackson@concho.com9. API Well No.  
30-015-408853a. Address  
ONE CONCHO CENTER 600 W. ILLINOIS AVE  
MIDLAND, TX 797013b. Phone No. (include area code)  
Ph: 432-686-308710. Field and Pool, or Exploratory  
BURCH KEELY

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

Sec 23 T17S R29E Mer NMP NESE 2344FSL 106FEL

11. County or Parish, and State

EDDY COUNTY, NM

## 12. CHECK 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"/> Fracture Treat	<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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

10/13/14 Test 5-1/2 BOP to 3500psi, 30min. ok.

10/14/14 Perf Paddock @ 4080 - 4382 w/2 SPF, 52 holes. Acidize w/1097 gals acid. Frac w/196,794 gals gel, 173,490# 16/30 brady sand, 76,310# 16/30 SLC.

10/21/14 Clean out to PBTD 4753. RIH w/136jts 2-7/8" 6.5# J55 tbg, EOT @ 4524. 10/22/14 RIH w/2x1-1/2x20 pump. Turn over to production.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

NOV 17 2014

RECEIVED

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

**Electronic Submission #278781 verified by the BLM Well Information System  
For COG OPERATING LLC, sent to the Carlsbad**

Name (Printed/Typed) CHASITY JACKSON

Title PREPARER

Signature (Electronic Submission)

Date 11/12/2014

**THIS SPACE FOR FEDERAL OR STATE OF**

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

Pending BLM approvals will  
subsequently be reviewed  
and scanned

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.

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTNM OIL CONSERVATION  
ARTESIA DISTRICT

NOV 17 2014

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010WELL COMPLETION OR RECOMPLETION REPORT AND LOG  
RECEIVED5. 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 LLCContact: CHASITY JACKSON  
E-Mail: cjackson@concho.com8. Lease Name and Well No.  
BURCH KEELY UNIT 9003. Address ONE CONCHO CENTER 600 W. ILLINOIS AVE  
MIDLAND, TX 797013a. Phone No. (include area code)  
Ph: 432-686-30879. API Well No.  
30-015-40885

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

At surface NESE 2344FSL 106FEL

At top prod interval reported below NESE 2344FSL 106FEL

At total depth SWNW 2626FNL 25FWL

10. Field and Pool, or Exploratory  
BURCH KEELY11. Sec., T., R., M., or Block and Survey  
or Area Sec 23 T17S R29E Mer NMP12. County or Parish  
EDDY13. State  
NM14. Date Spudded  
09/15/201415. Date T.D. Reached  
09/21/201416. Date Completed  
☐ D & A ☒ Ready to Prod.  
10/22/201417. Elevations (DF, KB, RT, GL)\*  
3591 GL18. Total Depth: MD 4815  
TVD 481519. Plug Back T.D.: MD 4753  
TVD 475320. Depth Bridge Plug Set: MD  
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
COMPENSATED NEUTRON CCL/HNGS22. 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
17.500	13.375 J55	54.0		360		986			
11.000	8.625 J55	24.0		975		500			
7.875	5.500 J55	17.0		4795		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	4524							

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	4080	4382	4080 TO 4382	0.410	52	OPEN
B)						
C)						
D)						

## 26. Perforation Record

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

Depth Interval	Amount and Type of Material
4080 TO 4382	ACIDIZE W/1097 GALS 15% ACID.
4080 TO 4382	FRAC W/196,794 GALS GEL, 173,490# 16/30 BRADY SAND, 76,310# 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
10/23/2014	10/25/2014	24	→	73.0	107.0	157.0	39.0	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	
			→	73	107	157	1466	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 #279182 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

## 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	845		LIMESTONE & DOLOMITE	TANSIL	845
YATES	949		SANDSTONE	YATES	949
QUEEN	1862		SANDSTONE & DOLOMITE	QUEEN	1862
GRAYBURG	2246		SANDSTONE & DOLOMITE	GRAYBURG	2246
SAN ANDRES	2560		LIMESTONE & DOLOMITE	SAN ANDRES	2560
GLORIETA	4024		SANDSTONE	GLORIETA	4024
PADDOCK	4073			PADDOCK	4073

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 #279182 Verified by the BLM Well Information System.  
For COG OPERATING LLC, sent to the Carlsbad**

Name (please print) CHASITY JACKSONTitle PREPARER

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

Date 11/13/2014

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

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