

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<br><b>COG Operating LLC</b><br>One Concho Center<br>600 W. Illinois Ave.<br>Midland, TX 79701 |  | <sup>2</sup> OGRID Number<br>229137   |
|  |  | <sup>3</sup> Reason for Filing Code/ Effective Date<br>NW Effective 10/3/14 |
| <sup>4</sup> API Number<br>30 - 015-40663  | <sup>5</sup> Pool Name<br>Burch Keely; Glorieta-Upper Yeso | <sup>6</sup> Pool Code<br>97918   |
| <sup>7</sup> Property Code<br>308086   | <sup>8</sup> Property Name<br>Burch Keely Unit             | <sup>9</sup> Well Number<br>604   |

**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             | 23      | 17S      | 29E   |         | 1355          | North            | 1310          | 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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
|               |         |          |       |         |               |                  |               |                |        |

|                             |  |  |                                   |                                    |                                     |
|-----------------------------|--|--|-----------------------------------|------------------------------------|-------------------------------------|
| <sup>12</sup> Lse Code<br>F | <sup>13</sup> Producing Method Code<br>P | <sup>14</sup> Gas Connection Date<br>10/3/14 | <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 |
|---|--|---------------------|
| 217817  | Conoco Phillips                            | O                   |
| 221115  | Frontier Field Services                    | G                   |
| <b>NM OIL CONSERVATION</b><br>ARTESIA DISTRICT<br>OCT 27 2014<br>RECEIVED |  |                     |

**IV. Well Completion Data**

| <sup>21</sup> Spud Date | <sup>22</sup> Ready Date           | <sup>23</sup> TD        | <sup>24</sup> PBTB         | <sup>25</sup> Perforations | <sup>26</sup> DHC, MC |
|-------------------------|------------------------------------|-------------------------|----------------------------|----------------------------|-----------------------|
| 8/28/14                 | 10/3/14                            | 4770                    | 4710                       | 4107 - 4409                |                       |
| <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                             | 344                     | 400                        |                            |                       |
| 11                      | 8-5/8                              | 977                     | 500                        |                            |                       |
| 7-7/8                   | 5-1/2                              | 4758                    | 900                        |                            |                       |
|                         | 2-7/8 tbg                          | 4551                    |                            |                            |                       |

**V. Well Test Data**

| <sup>31</sup> Date New Oil | <sup>32</sup> Gas Delivery Date | <sup>33</sup> Test Date | <sup>34</sup> Test Length | <sup>35</sup> Tbg. Pressure | <sup>36</sup> Csg. Pressure |
|----------------------------|---------------------------------|-------------------------|---------------------------|-----------------------------|-----------------------------|
| 10/12/14                   | 10/12/14                        | 10/14/14                | 24                        | 70                          | 70                          |
| <sup>37</sup> Choke Size   | <sup>38</sup> Oil               | <sup>39</sup> Water     | <sup>40</sup> Gas         | <sup>41</sup> Test Method   |                             |
|                            | 39                              | 202                     | 93                        | 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.<br>Signature:<br><br><br>Printed name:<br>Chasity Jackson<br>Title:<br>Regulatory Analyst<br>E-mail Address:<br>cjackson@concho.com<br>Date:<br>10/23/14<br>Phone:<br>432-686-3087 | OIL CONSERVATION DIVISION<br>Approved by:<br><br>Title:<br><br>Approval Date:<br>10/30/2014 |
|  | Pending BLM approvals will subsequently be reviewed and scanned   |

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM 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.  
NMLC028784B

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  Other

8. Well Name and No.  
BURCH KEELY UNIT 604

2. Name of Operator  
COG OPERATING LLC  
Contact: CHASITY JACKSON  
E-Mail: cjackson@concho.com

9. API Well No.  
30-015-40663

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

3b. Phone No. (include area code)  
Ph: 432-686-3087

10. 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 SENE 1355FNL 1310FEL

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 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 shall 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 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.)

9/28/14 Test 5-1/2 csg to 3500psi, 30 min, ok.  
9/29/14 Perf Paddock @ 4107 - 4409 w/1 SPF, 52 holes. Acidize w/1,145 gals acid. Frac w/215,093 gals gel, 222,230# 16/30 brady sand, 31,209# 16/30 SLC.  
10/1/14 Clean out to PBD 4710.  
10/2/14 RIH w/137jts 2-7/8" 6.5# J55 tbg, EOT @ 4551.  
10/3/14 RIH w/2-1/2"x1-1/2"x20" pump. Hang on well

*APD 10/30/14*  
Accepted for record  
NMOCD

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

OCT 27 2014

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

**Electronic Submission #272934 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 10/23/2014

**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 \_\_\_\_\_

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

Pending BLM approvals will subsequently be reviewed and scanned

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NMLC028784B

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: CHASITY JACKSON  
 E-Mail: cjackson@concho.com

3. Address: ONE CONCHO CENTER 600 W. ILLINOIS AVE  
 MIDLAND, TX 79701  
 3a. Phone No. (include area code): 432-686-3087

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface: SENE 1355FNL 1310FEL  
 At top prod interval reported below: SENE 1355FNL 1310FEL  
 At total depth: SENE 1355FNL 1310FEL

6. If Indian, Allottee or Tribe Name: \_\_\_\_\_  
 7. Unit or CA Agreement Name and No.: NMMN88525X  
 8. Lease Name and Well No.: BURCH KEELY UNIT 604  
 9. API Well No.: 30-015-40663

10. Field and Pool, or Exploratory: BURCH KEELY  
 11. Sec., T., R., M., or Block and Survey or Area: Sec 23 T17S R29E Mer NMP  
 12. County or Parish: EDDY  
 13. State: NM

14. Date Spudded: 08/28/2014  
 15. Date T.D. Reached: 09/03/2014  
 16. Date Completed:  D & A  Ready to Prod. 10/03/2014  
 17. Elevations (DF, KB, RT, GL)\*: 3599 GL

18. Total Depth: MD 4770, TVD 4770  
 19. Plug Back T.D.: MD 4710, TVD 4710  
 20. Depth Bridge Plug Set: MD, TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each): COMPENSATED NEUTRON CCL/HNGS  
 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 |
|-----------|------------|-------------|----------|-------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 17.500    | 13.375 H40 | 54.5        |          | 344         |                      | 400                         |                   |             |               |
| 11.000    | 8.625 J55  | 24.0        |          | 977         |                      | 500                         |                   |             |               |
| 7.875     | 5.500 J55  | 17.0        |          | 4758        |                      | 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 | 4551           |                   |      |                |                   |      |                |                   |

25. Producing Intervals

| Formation | Top  | Bottom | Perforated Interval | Size  | No. Holes | Perf. Status |
|-----------|------|--------|---------------------|-------|-----------|--------------|
| A) YESO   | 4107 | 4409   | 4107 TO 4409        | 0.430 | 52        | OPEN         |
| B)        |      |        |                     |       |           |              |
| C)        |      |        |                     |       |           |              |
| D)        |      |        |                     |       |           |              |

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

| Depth Interval | Amount and Type of Material   |
|----------------|---|
| 4107 TO 4409   | ACIDIZE W/1,145 GALS 15% ACID.  |
| 4107 TO 4409   | FRAC W/215,093 GALS GEL 222,230# 16/30 BRADY SAND, 31,209# 16/30 SLC. |

**NM OIL CONSERVATION**  
ARTESIA DISTRICT  
OCT 27 2014

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  |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|--------------------|
| 10/12/2014          | 10/14/2014           | 24           | →               | 39.0    | 93.0    | 202.0     | 37.4                  | 0.60        | ELECTRIC PUMP UNIT |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                    |
|                     |                      |              | →               | 39      | 93      | 202       | 2385                  | 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. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |
|                     |                      |              | →               |         |         |           |                       |             |                   |

(See Instructions and spaces for additional data on reverse side)  
 ELECTRONIC SUBMISSION #272930 VERIFIED BY THE BLM WELL INFORMATION SYSTEM  
 \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

Pending BLM approvals will subsequently be reviewed and scanned

