

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 7/15/17
<sup>4</sup> API Number <b>30 - 015-44081</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>942H</b>

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

Ul or lot no. <b>I</b>	Section <b>13</b>	Township <b>17S</b>	Range <b>29E</b>	Lot Idn	Feet from the <b>2285</b>	North/South Line <b>South</b>	Feet from the <b>230</b>	East/West line <b>East</b>	County <b>Eddy</b>
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<sup>11</sup> Bottom Hole Location

UL or lot no. <b>I</b>	Section <b>18</b>	Township <b>17S</b>	Range <b>30E</b>	Lot Idn	Feet from the <b>2298</b>	North/South line <b>South</b>	Feet from the <b>220</b>	East/West line <b>East</b>	County <b>Eddy</b>
<sup>12</sup> Lse Code <b>P</b>	<sup>13</sup> Producing Method Code <b>P</b>	<sup>14</sup> Gas Connection Date <b>7/15/17</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>Holly Frontier</b>	<b>O</b>
	<b>DCP Midstream</b>	<b>G</b>
	<b>Frontier Energy Services</b>	<b>G</b>

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ARTESIA DISTRICT  
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IV. Well Completion Data

<sup>21</sup> Spud Date <b>4/02/17</b>	<sup>22</sup> Ready Date <b>7/15/17</b>	<sup>23</sup> TD <b>9965MD 4868TVD</b>	<sup>24</sup> PBDT <b>9891</b>	<sup>25</sup> Perforations <b>5082 - 9847</b>	<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		
<b>17-1/2</b>	<b>13-3/8</b>	<b>332</b>	<b>1000sx</b>		
<b>12-1/4</b>	<b>9-5/8</b>	<b>1166</b>	<b>425sx</b>		
<b>8-3/4</b>	<b>7</b>	<b>4262</b>			
<b>8-3/4</b>	<b>5-1/2</b>	<b>9956</b>	<b>2050sx</b>		
	<b>2-7/8 tbg</b>	<b>5420</b>			

V. Well Test Data

<sup>31</sup> Date New Oil <b>7/16/17</b>	<sup>32</sup> Gas Delivery Date <b>7/16/17</b>	<sup>33</sup> Test Date <b>7/19/17</b>	<sup>34</sup> Test Length <b>24hrs</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>283</b>	<sup>39</sup> Water <b>948</b>	<sup>40</sup> Gas <b>434</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:




Printed name:  
Kanicia Castillo  
Title:  
Lead Regulatory Analyst  
E-mail Address:  
kcastillo@concho.com  
Date:  
8/09/17

Phone:  
432-685-4332

OIL CONSERVATION DIVISION

Approved by:



Title:

**Geologist**

Approval Date:

**8-22-17**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
ARTESIA DISTRICTFORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMLC028784A

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name	
b. Type of Completion <input checked="" type="checkbox"/> Plug Back <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other		7. Unit or CA Agreement Name and No. NMNM88525X	
2. Name of Operator COG OPERATING LLC		8. Lease Name and Well No. BURCH KEELY UNIT 942H	
3. Address 600 W ILLINOIS AVE ONE CONCHO CENTER MIDLAND, TX 79701		9. API Well No. 30-015-44081	
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 Sec 18 T17S R30E Mer NMP At top prod interval reported below Lot L 2245FSL 330FWL Sec 18 T17S R30E Mer NMP At total depth Lot I 2298FSL 220FEL		10. Field and Pool, or Exploratory BK;GLORIETA-UPPER YESO	
14. Date Spudded 04/02/2017		15. Date T.D. Reached 04/14/2017	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 07/15/2017		17. Elevations (DF, KB, RT, GL)* 3635 GL	
18. Total Depth: MD 9965 TVD 4868		19. Plug Back T.D.: MD 9891 TVD 4868	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CN	
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> 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		1166		425			
8.750	7.000 L80	29.0		4262					
8.750	5.000 L80	17.0		9956		1950			
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	5420							

## 25. Producing Intervals

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

## 26. Perforation Record

## 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. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
		70.0	→	283	434	948	1533	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	
			→						

Pending BLM approvals will  
subsequently be reviewed  
and scanned

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

ELECTRONIC SUBMISSION #384139 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
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**

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.

**\*\* 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, 20185. Lease Serial No.  
NMLC028784A

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.  
NMNM88525X

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.  
BURCH KEELY UNIT 942H2. Name of Operator  
COG OPERATING LLCContact: KANICIA CASTILLO  
E-Mail: kcastillo@concho.com9. API Well No.  
30-015-440813a. 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 13 T17S R29E Mer NMP 2285FSL 230FEL

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.

4/21/17 Drilled 10' of new formation from 9956 to 9965 new TD. Circ clean. Acidize w/2500 gals acid. Pressure test frac valve to 7200#, good test.  
4/26/17 Test csg to 6153psi for 30min, good test.  
4/26/17 ? 6/20/17 Perf 30 stages @ 5082 ? 9847 w/6 SPF, 1080 holes. Acidize 30 stages w/121,172 gals 15% HCL. Frac w/372,918 gals treated water, 9,806,958 gals slick water, 2,993,700# 100 mesh sand, 5,412,840# 40/70 white sand, 1,134,160# 40/70 CRC.  
7/10/17 ? 7/12/17 Drill out plugs. Clean out to PBTD 9891.  
7/15/17 RIH w/ESP, 162jts 2-7/8" J55 tbg, EOT @ 5420. Hang on.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

AUG 14 2017

RECEIVED

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

**Electronic Submission #384089 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 08/08/2017

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

Approved By

Title

Pending BLM approvals will  
subsequently be reviewed  
and scanned

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 knowing States any false, fictitious or fraudulent statements or representations as to any matter within its jurisd

Initialed

(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, 2018

5. Lease Serial No.  
NMLC028784A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.  
NMNM88525X

8. Well Name and No.  
BURCH KEELY UNIT 942H

9. API Well No.  
30-015-44081

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

11. County or Parish, State  
EDDY COUNTY, NM

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

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 13 T17S R29E Mer NMP 2285FSL 230FEL

**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.

OCD requested csg tests.

4/4/17 13-3/8 csg tested to 1900psi for 30min, good test.  
4/5/17 9-5/8 csg tested to 1500psi for 30min, good test.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

AUG 18 2017

RECEIVED

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

**Electronic Submission #385064 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

Pending BLM approvals will  
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(Instructions on page 2)

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