

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

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

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

Approved by appropriate District Office

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 229137
		<sup>3</sup> Reason for Filing Code/ Effective Date NW Effective 8/5/16
<sup>4</sup> API Number 30 - 015-42759	<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 937H

**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
M	13	17S	29E		330	South	200	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
M	18	17S	30E		348	South	330	West	Eddy

<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code P	<sup>14</sup> Gas Connection Date 8/5/16	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date
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**III. Oil and Gas Transporters**

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> O/G/W
33479	Holly Frontier Refining & Marketing LLC	O
221115	Frontier Field Services	G
36785	DCP Midstrem	G

**IV. Well Completion Data**

<sup>21</sup> Spud Date 5/16/16	<sup>22</sup> Ready Date 8/5/16	<sup>23</sup> TD 10390MD 4871TVD	<sup>24</sup> PBTB 10312	<sup>25</sup> Perforations 5191 - 10292	<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	378	425sx		
12-1/4	9-5/8	1050	650sx		
8-3/4	7	4253	0		
8-3/4	5-1/2	10380	2000sx		
	2-7/8 tbg	5039			

**V. Well Test Data**

<sup>31</sup> Date New Oil 8/6/16	<sup>32</sup> Gas Delivery Date 8/6/16	<sup>33</sup> Test Date 8/9/16	<sup>34</sup> Test Length 24	<sup>35</sup> Tbg. Pressure 70	<sup>36</sup> Csg. Pressure 70
<sup>37</sup> Choke Size	<sup>38</sup> Oil 442	<sup>39</sup> Water 989	<sup>40</sup> Gas 292		<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:

*Kanicia Castillo*

Printed name: Kanicia Castillo  
Title: Lead Regulatory Analyst  
E-mail Address: kcastillo@concho.com  
Date: 8/24/16 Phone: 432-685-4332

OIL CONSERVATION DIVISION  
Approved by: *Karen Sharp*  
Title: *Bus Oper Spec Adv*  
Approval Date: *8-31-16*  
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.  
NMLC028793A

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

8. Well Name and No.  
BURCH KEELY UNIT 937H

9. API Well No.  
30-015-42759

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 13 T17S R29E Mer NMP 330FSL 200FWL

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.)

6/27/16 Test csg to 4500psi for 15min, good.  
6/29/16 Drilled 10' of new formation to 10,390. Spotted 500 gals acid.  
7/01/16 Pressure test frac valve to 7200#, good test.  
7/05/16 - 7/24/16 Perf 23 stages @ 5191 ? 10,292 w/6 SPF, 828 holes. Acidize 23 stages w/90,888 gals 15% HCL. Frac w/300,846 gals treated water, 1,971,794 gals FR water, 1,375,180# 100 mesh sand, 1,906,500# 40/70 white sand, 460,640# 40/70 CRC.  
8/01/16 ? 8/03/16 Drill out plugs. Clean out to PBD 10,312.  
8/05/16 RIH w/ESP, 146jts 2-7/8" J55 tbg, EOT @ 5039. Hang on.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT  
AUG 29 2016

RECEIVED

14. I hereby certify that the foregoing is true and correct.  
**Electronic Submission #348866 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 08/24/2016

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

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

**NM OIL CONSERVATION**

ARTESIA DISTRICT

AUG 29 2016

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

Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG RECEIVED**

5. Lease Serial No.  
NMLC028793A

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.  
NMNM88525X

8. Lease Name and Well No.  
BURCH KEELLY UNIT 937H

9. API Well No.  
30-015-42759

10. Field and Pool, or Exploratory  
BKU-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

17. Elevations (DF, KB, RT, GL)\*  
3610 GL

22. Was well cored?  No  Yes (Submit analysis)  
Was DST run?  No  Yes (Submit analysis)  
Directional Survey?  No  Yes (Submit analysis)

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 330FSL 200FWL  
Sec 13 T17S R29E Mer NMP  
At top prod interval reported below 333FSL 330FWL  
Sec 18 T17S R30E Mer NMP  
At total depth 348FSL 465FWL

14. Date Spudded  
05/19/2016 15. Date T.D. Reached  
06/02/2016 16. Date Completed  
 D & A  Ready to Prod.  
08/05/2016

18. Total Depth: MD 10390  
TVD 4871 19. Plug Back T.D.: MD 10312  
TVD 19. Plug Back T.D.: MD 10312  
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		1050		650			
8.750	7.000 L80	29.0		4253					
8.750	5.000 L80	17.0		10380		2000			
17.500	13.375 J55	54.5	0	378		425		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	5039							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	5191	10292	5191 TO 10292	0.430	828	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
5191 TO 10292	ACIDIZE W/ 90,888 15% ACID, FRAC W/ 300,846 GALS TREATED WATER, 1,971,794 FR 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
08/06/2016	08/09/2016	24	→	442.0	292.0	989.0	40.4	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	→	442	292	989	660	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 #348912 VERIFIED BY THE BLM WELL INFORMATION

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

Pending BLM approvals will subsequently be reviewed and scanned

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	895		SALT	TANSIL	895
YATES	1002		SANDSTONE	YATES	1002
GRAYBURG	2294		SANDSTONE & DOLOMITE	SAN ANDRES	2593
SAN ANDRES	2593		DOLOMITE & LIMESTONE	GLORIETA	4028
GLORIETA	4028		SANDSTONE	PADDOCK	4091
PADDOCK	4091		DOLOMITE & ANHYDRITE	BLINEBRY	4733
BLINEBRY	4733		DOLOMITE & ANHYDRITE		

32. Additional remarks (include plugging procedure):  
Logs will be sent via WIS.

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 #348912 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 08/24/2016

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 \*\*