

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 COG Operating LLC 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 RC Effective 8/4/15
<sup>4</sup> API Number 30 - 015-32699	<sup>5</sup> Pool Name Grayburg Jackson;SR-Q-G-SA	<sup>6</sup> Pool Code 28509
<sup>7</sup> Property Code 308086	<sup>8</sup> Property Name Burch Keely Unit	<sup>9</sup> Well Number 333

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

UL or lot no. D	Section 26	Township 17S	Range 29E	Lot Idn	Feet from the 25	North/South Line North	Feet from the 1295	East/West line West	County 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 F	<sup>13</sup> Producing Method Code P	<sup>14</sup> Gas Connection Date 8/4/15	<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
5097	Conoco Inc.	O
221115	Frontier Field Services	G
NM OIL CONSERVATION ARTESIA DISTRICT SEP 08 2015		

IV. Well Completion Data

<sup>21</sup> Spud Date 5/14/03	<sup>22</sup> Ready Date 8/4/15	<sup>23</sup> TD 4665	<sup>24</sup> PBTB 3978	<sup>25</sup> Perforations 2710 - 3098	<sup>26</sup> DHC, MC
<sup>27</sup> Hole Size 12-1/4	<sup>28</sup> Casing & Tubing Size 8-5/8	<sup>29</sup> Depth Set 352	<sup>30</sup> Sacks Cement 300sx		
7-7/8	5-1/2	4661	1150sx		
	2-7/8 tbg	3942			

V. Well Test Data

<sup>31</sup> Date New Oil 8/4/15	<sup>32</sup> Gas Delivery Date 8/4/15	<sup>33</sup> Test Date 8/13/15	<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 39	<sup>39</sup> Water 118	<sup>40</sup> Gas 27	<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:

*Chasity Jackson*

Printed name:

Chasity Jackson

Title:

Regulatory Analyst

E-mail Address:

cjackson@concho.com

Date:

8/28/15

Phone:

432-686-3087

OIL CONSERVATION DIVISION

Approved by:

*Dr. J. S. Super*

Title:

Approval Date:

9-10-15

Pending BLM approvals will  
subsequently be reviewed  
and scanned *LRD*

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.  
NMLC028793C

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.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.  
BURCH KEELY UNIT 333

2. Name of Operator

COG OPERATING LLC

Contact: CHASITY JACKSON

E-Mail: cjackson@concho.com

9. API Well No.  
30-015-32699

3a. Address

ONE CONCHO CENTER 600 W. ILLINOIS AVE.  
MIDLAND, TX 79705

3b. Phone No. (include area code)

Ph: 432-686-3087

10. Field and Pool, or Exploratory  
GRAYBURG JACKSON

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

Sec 26 T17S R29E Mer NMP NWNW 25FNL 1295FWL

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 checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<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 recompleate 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.)

7/22/15 MIRU. Unseat pump, POOH w/rods and tbg.

7/23/15 Run bit and scraper to 4448.

7/24/15 RU wireline. Set CIBP @ 4000. Test csg to 4250psi for 30 min. Dump 15 gals acid across btm perfs. RIH w/ 40' of cmt on top of CIBP. POOH w/wireline.

7/27/15 Perf San Andres @ 3606 - 3906 w/3SPF, 63 holes. Acidize w/2921 gals acid. Frac w/140,355 gals gel, 152,085# 16/30 Brady sand, 31,197# 16/30 SLC. Set CIBP @ 3555. Perf San Andres 3194 - 3494 w/3SPF, 63 holes. Acidize w/2956 gals acid. Frac w/132,720 gals gel, 153,278# 16/30 Brady sand, 33,865# 16/30 SLC. Set CIBP @ 3130. Perf San Andres @ 2710 - 3098 w/3SPF, 75 holes. Acidize w/1529 gals acid. Frac w/141,204 gals gel, 143,875# 16/30 Brady sand, 40,663# 16/30 SLC.

8/3/15 Drill out CIBPs. Clean out to PBD 3978.

8/4/15 RIH w/120jts 2-7/8" 6.5# J55 tbg, EOT @ 3942. RIH w/2-1/2x1-1/2x20 pump. Hang on well.

**NM OIL CONSERVATION**

ARTESIA DISTRICT

SEP 08 2015

RECEIVED

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

**Electronic Submission #314907 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 08/31/2015

**THIS SPACE FOR FEDERAL OR STATE OFFICIAL 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 *ED*

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 \*\***

SEP 08 2015

Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**RECEIVED**

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NMLC028793C

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.  
BURCH KEELY UNIT 333

9. API Well No.  
30-015-32699

10. Field and Pool, or Exploratory  
GRAYBURG JACKSON

11. Sec., T., R., M., or Block and Survey  
or Area Sec 26 T17S R29E Mer NMP

12. County or Parish  
EDDY

13. State  
NM

17. Elevations (DF, KB, RT, GL)\*  
3574 GL

20. Depth Bridge Plug Set: MD 4000  
TVD

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)  
Ph: 432-686-3087

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

At surface NWNW 25FNL 1295FWL

At top prod interval reported below NWNW 25FNL 1295FWL

At total depth NWNW 25FNL 1295FWL

14. Date Spudded  
05/14/2003

15. Date T.D. Reached  
05/23/2003

16. Date Completed  
☐ D & A ☒ Ready to Prod.  
08/04/2015

18. Total Depth: MD 4665  
TVD 4665

19. Plug Back T.D.: MD 3978  
TVD 3978

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
N/A

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	8.625	24.0		352		300			
7.875	5.500	17.0		4661		1150			

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	3942							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) SAN ANDRES	2710	3906	2710 TO 3098	0.410	75	OPEN
B)			3194 TO 3494	0.410	63	OPEN
C)			3606 TO 3906	0.410	63	OPEN
D)			4057 TO 4426	0.410	20	CLOSED-CIBP @ 4000

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

Depth Interval	Amount and Type of Material
2710 TO 3098	ACIDIZE W/1529 GALS ACID. FRAC W/141,204 GALS GEL, 143,875# 16/30 BRADY SAND, 40,663# 16/30 SLC.
3194 TO 3494	ACIDIZE W/2956 GALS ACID. FRAC W/132,720 GALS GEL, 153,278# 16/30 BRADY SAND, 33,865# 16/30 SLC.
3606 TO 3906	ACIDIZE W/2921 GALS ACID. FRAC W/140,355 GALS GEL, 152,085# 16/30 BRADY SAND, 31,197# 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
08/04/2015	08/13/2015	24	→	39.0	27.0	118.0	38.7	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	
			→	39	27	118	692	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 *LD*

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

ELECTRONIC SUBMISSION #315544 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
SALT YATES QUEEN SAN ANDRES GLORIETA	902 1793 2492 3972	714	SALT SANDSTONE SANDSTONE & DOLOMITE DOLOMITE & LIMESTONE SANDSTONE	SALT YATES QUEEN SAN ANDRES GLORIETA	902 1793 2492 3972

## 32. Additional remarks (include plugging procedure):

## 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 #315544 Verified by the BLM Well Information System.  
For COG OPERATING LLC, sent to the Carlsbad

Name (please print) CHASITY JACKSON

Title PREPARER

Signature (Electronic Submission)

Date 09/04/2015

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 \*\***