

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, 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 October 15, 2009

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> 600 West Illinois Ave Midland, TX 79701		<sup>2</sup> OGRID Number <b>229137</b>
		<sup>3</sup> Reason for Filing Code/ Effective Date RC effective 7/31/15
<sup>4</sup> API Number <b>30 - 015 - 38558</b>	<sup>5</sup> Pool Name <b>Grayburg Jackson; SR-Q-G-SA</b>	<sup>6</sup> Pool Code <b>28509</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>636</b>

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

UL or lot no. <b>O</b>	Section <b>24</b>	Township <b>17S</b>	Range <b>29E</b>	Lot Idn	Feet from the <b>10</b>	North/South Line <b>South</b>	Feet from the <b>2299</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>O</b>	Section <b>24</b>	Township <b>17S</b>	Range <b>29E</b>	Lot Idn	Feet from the <b>20</b>	North/South line <b>South</b>	Feet from the <b>2633</b>	East/West line <b>East</b>	County <b>Eddy</b>
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<sup>12</sup> Lse Code <b>F</b>	<sup>13</sup> Producing Method Code <b>P</b>	<sup>14</sup> Gas Connection Date <b>7/31/15</b>	<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
<b>1269110</b>	<b>ConocoPhillips Company</b>	<b>O</b>
<b>2813488</b>	<b>Frontier Field Services, LLC</b>	<b>G</b>
<b>NM OIL CONSERVATION</b> ARTESIA DISTRICT AUG 13 2015 RECEIVED		


IV. Well Completion Data

<sup>21</sup> Spud Date <b>6/18/11</b>	<sup>22</sup> Ready Date <b>7/21/11 7/30/15</b>	<sup>23</sup> TD <b>4836</b>	<sup>24</sup> PBTB <b>4180</b>	<sup>25</sup> Perforations <b>2900 - 4050</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>307</b>	<b>400</b>		
<b>11</b>	<b>8-5/8</b>	<b>975</b>	<b>550</b>		
<b>7-7/8</b>	<b>5-1/2</b>	<b>4829</b>	<b>900</b>		
	<b>2-7/8 tbg</b>	<b>4094</b>			

V. Well Test Data

<sup>31</sup> Date New Oil <b>8/08/15</b>	<sup>32</sup> Gas Delivery Date <b>7/31/15</b>	<sup>33</sup> Test Date <b>8/9/15</b>	<sup>34</sup> Test Length <b>24 hrs</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>33</b>	<sup>39</sup> Water <b>188</b>	<sup>40</sup> Gas <b>70</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: 

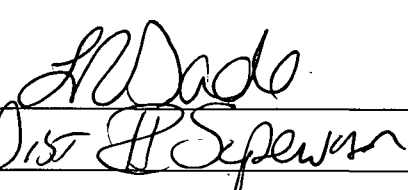
Printed name: **Kanicia Castillo**

Title: **Lead Regulatory Analyst**

E-mail Address: **kcastillo@concho.com**


Date: **8/10/15** Phone: **432-685-4332**

OIL CONSERVATION DIVISION

Approved by: 

Title:

Approval Date: **8-26-15**

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.  
NMLC028784C

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 6362. Name of Operator  
COG OPERATING LLCContact: KANICIA CASTILLO  
E-Mail: kcastillo@concho.com9. API Well No.  
30-015-385583a. Address  
ONE CONCHO CENTER 600 W ILLINOIS AVE  
MIDLAND, TX 797013b. Phone No. (include area code)  
Ph: 432-685-433210. Field and Pool, or Exploratory  
GRAYBURG JACKSON

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

Sec 24 T17S R29E Mer NMP 10FSL 2299FWL

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 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.)

Recomplete to the San Andres.

7/21/15 POOH w/rods. NU wellhead. POOH w/tbg and BHA. RIH w/4-3/4 bit and scrapper to 4625?.

7/23/15 RIH w/CIBP @ 4180?. Test csg to 4250 for 30mins, good test. Dump 10gals 15% HCl. Perf w/3 Spf @ 3750 ? 4050, 21 holes.

7/24/15 Acidize w/2500 gals 15% acid. Frac w/131,848 gals gel, 151,746# 16/30 Brady sand, 34,130# 16/30 Super LC. Set plug @ 3714?. Perf w/3 SPF @ 3334? ? 3664?, 23 holes. Acidize w/2500 gals 15% acid. Frac w/102,167 gals gel, 152,199# 16/30 Brady sand, 29,637# 16/30 Super LC. Set plug @ 3255?. Perf w/3 SPF @ 2900? ? 3200?, 21 holes. Perf w/2000 gals 15% acid. Frac w/127,535 gals gel 146,866# 16/30 Brady sand, 34,812# 16/30 Super LC.

7/29/15 Drill out plugs. PBDT @ 4180?.

7/30/15 Run in hole w/123jts 2-7/8 tbg, set @ 4094?, SN @ 4037?.

**NM OIL CONSERVATION**

ARTESIA DISTRICT

**AUG 13 2015****RECEIVED**

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

**Electronic Submission #312205 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 08/10/2015

**THIS SPACE FOR FEDERAL OR STATE C**

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 *UD*

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 \*\***

**Additional data for EC transaction #312205 that would not fit on the form**

**32. Additional remarks, continued**

7/31/15 RIH w/ rods and 2.5"x1.5"x20" Quinn trash pump. Hang on.

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

AUG 13 2015

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			5. Lease Serial No. NMLC028784C		
b. Type of Completion <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input checked="" type="checkbox"/> Diff. Resvr. Other _____			6. If Indian, Allottee or Tribe Name		
2. Name of Operator COG OPERATING LLC			Contact: KANICIA CASTILLO E-Mail: kcastillo@concho.com		
3. Address ONE CONCHO CENTER 600 W ILLINOIS AVE MIDLAND, TX 79701			8. Lease Name and Well No. BURCH KEELY UNIT 636		
3a. Phone No. (include area code) Ph: 432-685-4332			9. API Well No. 30-015-38558		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SENE 10FSL 2299FEL At top prod interval reported below SENE 10FSL 2299FEL At total depth SENE 10FSL 2299FEL			10. Field and Pool, or Exploratory GRAYBURG/JACKSON-SR-Q-G-SA		
14. Date Spudded 06/18/2011			15. Date T.D. Reached 06/26/2011		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 07/31/2015			17. Elevations (DF, KB, RT, GL)* 3598 GL		
18. Total Depth: MD 4836 TVD 4836			19. Plug Back T.D.: MD 4180 TVD 4180		
20. Depth Bridge Plug Set: MD 4180 TVD 4180			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 checked="" type="checkbox"/> No <input 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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H40	48.0		307		400		0	
11.000	8.625 J55	24.0		975		550		0	
7.875	5.500 J55	17.0		4829		990		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	4094							

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) SAN ANDRES	2900	3200	2900 TO 3200	0.410	21	OPEN
B) SAN ANDRES	3334	3664	3334 TO 3664	0.410	23	OPEN
C) SAN ANDRES	3750	4050	3750 TO 4050	0.410	21	OPEN
D)			4262 TO 4700	0.410	29	CLOSED CIBP @ 4180

## 26. Perforation Record

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

Depth Interval	Amount and Type of Material
2900 TO 4050	ACIDIZE W/7,000 GALS 15% ACID.
2900 TO 4050	FRAC W/361,550 GALS GEL, 450,811# 16/30 BRADY SAND, 98,579# 16/30 SUPER LC.

## 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
07/31/2015	08/09/2015	24	→	33.0	70.0	188.0	37.9	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	
			→					POW	

## 28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API
			→				
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio
			→				

Pending BLM approvals will  
subsequently be reviewed  
and scanned

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

ELECTRONIC SUBMISSION #312255 VERIFIED BY THE BLM WELL INFORMATION S

\*\* 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
YATES	1014		DOLOMITE & SAND	YATES	1014
SAN ANDRES	2692		SAND	SAN ANDRES	2962
GLORIETA	4188		DOLOMITE & ANHYDRITE	GLORIETA	4188
YESO	4260		SAND	YESO	4260

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 #312255 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 08/10/2015

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 \*\***