

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 RC Effective 6/18/14
<sup>4</sup> API Number <b>30 - 015-32371</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>302510</b>	<sup>8</sup> Property Name <b>Jenkins B Federal</b>	<sup>9</sup> Well Number <b>16</b>

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

UL or lot no. <b>C</b>	Section <b>20</b>	Township <b>17S</b>	Range <b>30E</b>	Lot Idn	Feet from the <b>965</b>	North/South Line <b>North</b>	Feet from the <b>1650</b>	East/West line <b>West</b>	County <b>Eddy</b>
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**<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
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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>6/18/14</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>278421</b>	<b>HollyFrontier Refining &amp; Marketing, LLC</b>	<b>O</b>
<b>36785</b>	<b>dcp Midstream, LP</b>	<b>G</b>
<b>NM OIL CONSERVATION</b> ARTESIA DISTRICT <b>JUL 28 2014</b>		

**IV. Well Completion Data**

RECEIVED

<sup>21</sup> Spud Date <b>9/8/02</b>	<sup>22</sup> Ready Date <b>6/18/14</b>	<sup>23</sup> TD <b>4775</b>	<sup>24</sup> PBDT <b>4186</b>	<sup>25</sup> Perforations <b>3078 - 4122</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>425</b>	<b>450sx</b>		
<b>12-1/4</b>	<b>8-5/8</b>	<b>1067</b>	<b>575sx</b>		
<b>7-7/8</b>	<b>5-1/2</b>	<b>4768</b>	<b>995sx</b>		
	<b>2-7/8 tbg</b>	<b>4031</b>			

**V. Well Test Data**

<sup>31</sup> Date New Oil	<sup>32</sup> Gas Delivery Date	<sup>33</sup> Test Date <b>6/20/14</b>	<sup>34</sup> Test Length <b>24</b>	<sup>35</sup> Tbg. Pressure	<sup>36</sup> Csg. Pressure
<sup>37</sup> Choke Size	<sup>38</sup> Oil <b>1</b>	<sup>39</sup> Water <b>617</b>	<sup>40</sup> Gas <b>1</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:

*Chasity Jackson*

Printed name:

Chasity Jackson

Title:

Regulatory Analyst

E-mail Address:

cjackson@concho.com

Date:

7/23/14

Phone:

432-686-3087

OIL CONSERVATION DIVISION

Approved by:

*RDado*

Title:

*District Supervisor*

Approval Date:

**7-20-14**

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.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

5. Lease Serial No. NMLC054988B
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No.
8. Well Name and No. JENKINS B FEDERAL 16
9. API Well No. 30-015-32371
10. Field and Pool, or Exploratory GRAYBURG JACKSON
11. County or Parish, and State EDDY COUNTY, NM

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	
2. Name of Operator COG OPERATING LLC	
Contact: CHASITY JACKSON E-Mail: cjackson@concho.com	
3a. Address ONE CONCHO CENTER 600 W. ILLINOIS AVE MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-686-3087
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 20 T17S R30E Mer NMP NENW 965FNL 1650FWL	

**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 recompleation 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.)

6/5/14 MIRU. Unhang well.  
6/6/14 Set CIBP @ 4221. Cap w/40' cmt. Test csg to 2500psi.  
6/9/14 Test frac valve to 4200psi for 30 min. good.  
Perf San Andres @ 3996 - 4122 w/3SPF, 54 holes, CFP @ 3900. Perf @ 3692 - 3836 w/3SPF, 54 holes, CFP @ 3600. Perf @ 3078 - 3248 w/3SPF, 54 holes.  
Acidize stages w/4,500 gals 15% HCL. Frac w/20,982 gals gel, 453,750# 16/30 Brady sand, 90,000# 16/30 Siberprop.  
6/17/14 Drill out plugs. Clean out to PBTD 4186.  
6/18/14 RIH w/126jts 2-7/8" J55 6.5# tbg, EOT @ 4031. RIH w/2-1/2"x2"x20'pump. Hang on well.

Accepted for record  
WD NMLC 7/25/14

**NM OIL CONSERVATION**  
ARTESIA DISTRICT  
JUL 28 2014

**RECEIVED**

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #254415 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad</b>	
Name (Printed/Typed) CHASITY JACKSON	Title PREPARER
Signature (Electronic Submission)	Date 07/23/2014

**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 _____

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 and willfully make any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

any department or agency of the United States

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

# NM OIL CONSERVATION

ARTESIA DISTRICT

JUL 28 2014

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.  
NMLC054988B

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other  
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other \_\_\_\_\_

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

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

8. Lease Name and Well No.  
JENKINS B FEDERAL 16

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

9. API Well No.  
30-015-32371

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

At surface NENW 965FNL 1650FWL

At top prod interval reported below NENW 965FNL 1650FWL

At total depth NENW 965FNL 1650FWL

10. Field and Pool, or Exploratory  
GRAYBURG JACKSON

11. Sec., T., R., M., or Block and Survey  
or Area Sec 20 T17S R30E Mer NMP

12. County or Parish  
EDDY  
13. State  
NM

14. Date Spudded  
09/08/2002

15. Date T.D. Reached  
09/19/2002

16. Date Completed  
☐ D & A ☒ Ready to Prod.  
06/18/2014

17. Elevations (DF, KB, RT, GL)\*  
3632 GL

18. Total Depth: MD 4775  
TVD 4775

19. Plug Back T.D.: MD 4186  
TVD 4186

20. Depth Bridge Plug Set: MD 4221  
TVD

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

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 Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	48.0		425		450			
12.250	8.625 J55	40.0		1067		575			
7.875	5.500 J55	17.0		4768		995			

### 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	4031							

### 25. Producing Intervals

### 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) SAN ANDRES	3078	4122	3078 TO 4122	0.420	162	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
3078 TO 4122	ACIDIZE W/4,500 GALS 15% HCL ACID.
3078 TO 4122	FRAC W/20,982 GALS GEL, 453,750# 16/30 BRADY, 90,000# SIBERPROP.

### 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
	06/20/2014	24	→	1.0	1.0	617.0	39.0	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	
			→	1	1	617	1	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 #254414 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
SALADO	606		SALT	SALADO	606
YATES	1114		SANDSTONE	YATES	1114
QUEEN	2034		DOLOMITE & LIMESTONE	QUEEN	2034
SAN ANDRES	2772		DOLOMITE & LIMESTONE	SAN ANDRES	2772

## 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 #254414 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 07/23/2014

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 \*\*