

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 1/29/15
<sup>4</sup> API Number <b>30 - 015-41813</b>	<sup>5</sup> Pool Name <b>Loco Hills; Glorieta-Yeso</b>	<sup>6</sup> Pool Code <b>96718</b>
<sup>7</sup> Property Code <b>40239</b>	<sup>8</sup> Property Name <b>Hobgoblin 7 Federal Com UBB</b>	<sup>9</sup> Well Number <b>2H</b>

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

UL or lot no. <b>A</b>	Section <b>7</b>	Township <b>17S</b>	Range <b>30E</b>	Lot Idn	Feet from the <b>1005</b>	North/South Line <b>North</b>	Feet from the	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>1</b>	Section <b>7</b>	Township <b>17S</b>	Range <b>30E</b>	Lot Idn	Feet from the <b>998</b>	North/South line <b>North</b>	Feet from the <b>368</b>	East/West line <b>West</b>	County <b>Eddy</b>
<sup>12</sup> Lse Code <b>F</b>	<sup>13</sup> Producing Method Code <b>P</b>	<sup>14</sup> Gas Connection Date <b>1/29/15</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>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 MAR 6 2015		

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IV. Well Completion Data

<sup>21</sup> Spud Date <b>10/28/14</b>	<sup>22</sup> Ready Date <b>1/29/15</b>	<sup>23</sup> TD <b>9662MD 5020TVD</b>	<sup>24</sup> PBDT <b>9678</b>	<sup>25</sup> Perforations <b>5309 - 9569</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>352</b>	<b>1050sx</b>		
<b>12-1/4</b>	<b>9-5/8</b>	<b>1237</b>	<b>450sx</b>		
<b>8-3/4</b>	<b>7</b>	<b>4450</b>	<b>1800sx</b>		
<b>7-7/8</b>	<b>5-1/2</b>	<b>9658</b>			
	<b>2-7/8 tbg</b>	<b>4603</b>			

V. Well Test Data

<sup>31</sup> Date New Oil <b>2/6/15</b>	<sup>32</sup> Gas Delivery Date <b>2/6/15</b>	<sup>33</sup> Test Date <b>2/16/15</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>94</b>	<sup>39</sup> Water <b>1994</b>	<sup>40</sup> Gas <b>46</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:

*C Jackson*

Printed name:

Chasity Jackson

Title:

Regulatory Analyst

E-mail Address:

cjackson@concho.com

Date:

2/24/15

Phone:

432-686-3087

OIL CONSERVATION DIVISION

Approved by:

*[Signature]*

Title:

*[Signature]*

Approval Date:

**3-9-15**

Pending BLM approvals will  
subsequently be reviewed  
and scanned *[Signature]*

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.  
NMNM7752

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
HOBGOBLIN 7 FEDERAL COM UBB 2H

9. API Well No.  
30-015-41813

10. Field and Pool, or Exploratory  
LOCO HILLS

11. County or Parish, and State  
EDDY COUNTY, NM

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ 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 7 T17S R30E Mer NMP NENE 1005FNL 15FEL

**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 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 shall 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 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.)

12/12/14 Test frac valve to 9500psi. Spotted 2000 gals acid.  
1/9/15 Perf 24 stages @ 5309 - 9569 w/6 SPF, 36 holes.  
1/11/15 Acidize 24 stages w/102,924 gals acid. Frac w/3,406,311 gals gel, 386,055 gals WaterFrac, 540,634 gals treated water, 5,784,899# 20/40 White sand, 1,135,590# 20/40 CRC.  
1/27/15 Drill out plugs. Clean out to PBTD 9678.  
1/28/15 RIH w/136jts 2-7/8" J55 6.5# tbg, EOT @ 4589.  
1/29/15 RIH w/ESP. Hang well on.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT  
MAR 6 2015

RECEIVED

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

**Electronic Submission #292867 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 02/24/2015

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

Approved By \_\_\_\_\_  
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.

Title \_\_\_\_\_

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 willful States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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

# NM OIL CONSERVATION ARTESIA DISTRICT

Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG RECEIVED

5. Lease Serial No.  
NMNM7752

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.  
HOBGOBLIN 7 FEDERAL COM UBB 2H

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 NENE 1005FNL 15FEL

At top prod interval reported below NENE 1005FNL 15FEL

At total depth Lot 1 998FNL 368FWL

14. Date Spudded  
10/28/2014

15. Date T.D. Reached  
11/20/2014

16. Date Completed  
☐ D & A ☒ Ready to Prod.  
01/29/2015

9. API Well No.  
30-015-41813

10. Field and Pool, or Exploratory  
LOCO HILLS

11. Sec., T., R., M., or Block and Survey  
or Area Sec 7 T17S R30E Mer NMP

12. County or Parish  
EDDY

13. State  
NM

17. Elevations (DF, KB, RT, GL)\*  
3671 GL

18. Total Depth: MD 9662  
TVD 5020

19. Plug Back T.D.: MD 9678  
TVD 9678

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
COMPENSATED NEUTRON CCL/ HIGH RESOLUTION LATEROLOG

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
17.500	13.375 J55	54.5		352		1050			
12.250	9.625 J55	40.0		1237		450			
8.750	7.000 L80	29.0		4450		1800			
7.875	5.500 L80	17.0	4450	9658		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	4589							

### 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	5309	9569	5309 TO 9569	0.430	864	OPEN
B)						
C)						
D)						

### 26. Perforation Record

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

Depth Interval	Amount and Type of Material
5309 TO 9569	ACIDIZE W/102,924 GALS ACID. FRAC W/3,406,311 GALS GEL, 386,055 GALS WATER FRAC
5309 TO 9569	540,634 TREATED WATER, 5,784,899# 20/40 WHITE SAND, 1,135,590# 20/40 CRC.

### 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
02/06/2015	02/16/2015	24	→	94.0	46.0	1994.0	35.1	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	
			→	94	46	1994	489	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 #292891 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	311		ANHYDRITE	RUSTLER	311
TANSILL	1111		LIMESTONE & DOLOMITE	TANSILL	1111
YATES	1216		SANDSTONE	YATES	1216
QUEEN	2110		SANDSTONE & DOLOMITE	QUEEN	2110
GRAYBURG	2526		SANDSTONE & DOLOMITE	GRAYBURG	2526
SAN ANDRES	2837		DOLOMITE & LIMESTONE	SAN ANDRES	2837
GLORIETA	4280		SANDSTONE	GLORIETA	4280
PADDOCK	4345		DOLOMITE & ANHYDRITE	PADDOCK	4345

32. Additional remarks (include plugging procedure):  
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 #292891 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 02/24/2015

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 \*\*