

District I  
1623 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 West Illinois Ave. Midland, TX 79701		<sup>2</sup> OGRID Number 229137
		<sup>3</sup> Reason for Filing Code/ Effective Date NW Effective 2/6/15
<sup>4</sup> API Number 30 - 015 -42506	<sup>5</sup> Pool Name Loco Hills;Glorieta-Yeso	<sup>6</sup> Pool Code 96718
<sup>7</sup> Property Code 313489	<sup>8</sup> Property Name Newcastle 6 Federal Com PDK	<sup>9</sup> Well Number 7H

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
P	1	17S	29E		1030	South	10	East	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
P	6	17S	30E		1022	South	315	East	Eddy
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code P	<sup>14</sup> Gas Connection Date 2/6/15	<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
278421	HollyFrontier Refining & Marketing LLC	O
36785	Dcp Midstream NM OIL CONSERVATION ARTESIA DISTRICT MAR 6 2015	G

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IV. Well Completion Data

<sup>21</sup> Spud Date 11/24/14	<sup>22</sup> Ready Date 2/6/15	<sup>23</sup> TD 9149MD 4481TVD	<sup>24</sup> PBTB 9094	<sup>25</sup> Perforations 4749 - 9054	<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	360	950sx		
12-1/4	9-5/8	1110	500sx		
7-7/8	5-1/2	9145	2200sx		
	2-7/8tbg	4043			

V. Well Test Data

<sup>31</sup> Date New Oil 2/18/15	<sup>32</sup> Gas Delivery Date 2/18/15	<sup>33</sup> Test Date 2/20/15	<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 268	<sup>39</sup> Water 1670	<sup>40</sup> Gas 302	<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:

*CJ Jackson*

Printed name:

Chasity Jackson

Title:

Regulatory Analyst

E-mail Address:

cjackson@concho.com

Date:

3/3/15

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.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMLC061483
2. Name of Operator COG OPERATING LLC		6. If Indian, Allottee or Tribe Name
Contact: CHASITY JACKSON E-Mail: cjackson@concho.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address ONE CONCHO CENTER 600 W. ILLINOIS AVE MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-686-3087	8. Well Name and No. NEWCASTLE 6 FEDERAL COM PDK 7H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 1 T17S R29E Mer NMP SESE 1030FSL 10FEL		9. API Well No. 30-015-42506
		10. Field and Pool, or Exploratory LOCO HILLS; GLORIETA-YESO
		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 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.)

1/6/15 Test frac valve to 7500psi. Spotted 2000 gals acid. Set plug @ 9094. 1/18/15 Perf 14 stages @ Perf 4749 - 9054 w/6SPF, 504 holes. Acidize 14 stages w/62,863 gals 15% acid. Frac w/1,992,029 gals gel, 137,231 gals WaterFrac, 226,662 gals treated water, 4,137,826# 20/40 white sand, 692,151# 20/40 CRC.  
2/2/15 Drill out plugs. Clean out to PBDT 9094.  
2/5/15 RIH w/118jts 2-7/8" J55 6.5# tbg, EOT @ 4044. RIH ESP.  
2/6/15 Hang On.

**NM OIL CONSERVATION**

ARTESIA DISTRICT

MAR 6 2015

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14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #293674 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 03/03/2015
<b>THIS SPACE FOR FEDERAL OR STATE OFFICIAL USE</b>	
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 to make 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

MAR 6 2015

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMLC061483

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.  
NEWCASTLE 6 FEDERAL COM PDK 7H

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.  
30-015-42506

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

At surface SESE 1030FSL 10FEL  
Sec 1 T17S R29E Mer NMP  
At top prod interval reported below SESE 1030FSL 10FEL  
Sec 6 T17S R30E Mer NMP  
At total depth SESE 1022FSL 315FEL

10. Field and Pool, or Exploratory  
LOCO HILLS

11. Sec., T., R., M., or Block and Survey  
or Area Sec 1 T17S R29E Mer NMP

12. County or Parish  
EDDY

13. State  
NM

14. Date Spudded  
11/24/2014

15. Date T.D. Reached  
12/05/2014

16. Date Completed  
☐ D & A ☒ Ready to Prod.  
02/06/2015

17. Elevations (DF, KB, RT, GL)\*  
3678 GL

18. Total Depth: MD 9149  
TVD 4481

19. Plug Back T.D.: MD 9094  
TVD 9094

20. Depth Bridge Plug Set: MD  
TVD

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

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		360		950			
12.250	9.625 J55	40.0		1110		500			
7.875	5.500 L80	17.0		9145		2200			

### 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	4044							

### 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	4749	9054	4749 TO 9054	0.430	504	OPEN
B)						
C)						
D)						

### 26. Perforation Record

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

Depth Interval	Amount and Type of Material
4749 TO 9054	ACIDIZE W/62,863 GALS ACID. FRAC W/1,992,029 GALS GEL, 226,662 GALS TREATED WATER.
4749 TO 9054	137,231 GALS WATER FRAC. 4,137,826# 20/40 WHITE SAND, 692,151# 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
02/18/2015	02/20/2015	24	→	268.0	302.0	1670.0	37.8	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	
			→	268	302	1670	1127	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

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

ELECTRONIC SUBMISSION #293701 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.)

FLARED

## 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
TANSILL	1057		LIMESTONE & DOLOMITE	TANSILL	1057
YATES	1165		SANDSTONE	YATES	1165
QUEEN	2051		SANDSTONE & DOLOMITE	QUEEN	2051
GRAYBURG	2464		SANDSTONE & DOLOMITE	GRAYBURG	2464
SAN ANDRES	2767		DOLOMITE & LIMESTONE	SAN ANDRES	2767
GLORIETA	4206		SANDSTONE	GLORIETA	4206
PADDOCK	4261			PADDOCK	4261

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

Logs 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 #293701 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 03/03/2015

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 \*\*