

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 6/25/14
<sup>4</sup> API Number <b>30 - 015-41224</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>302499</b>	<sup>8</sup> Property Name <b>Red Stripe 5 Federal Com</b>	<sup>9</sup> Well Number <b>2H</b>

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

UL or lot no. <b>1</b>	Section <b>6</b>	Township <b>17S</b>	Range <b>30E</b>	Lot Idn	Feet from the <b>990</b>	North/South Line <b>North</b>	Feet from the <b>90</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>1</b>	Section <b>5</b>	Township <b>17S</b>	Range <b>30E</b>	Lot Idn	Feet from the <b>937</b>	North/South line <b>North</b>	Feet from the <b>372</b>	East/West line <b>East</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>6/25/14</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

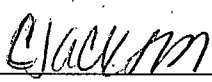
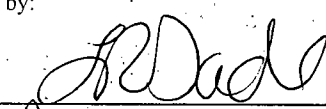
<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> O/G/W
<b>278421</b>	<b>HollyFrontier Refining &amp; Marketing, LLC</b>	<b>O</b>
<b>36785</b>	<b>dcp Midstream, LP</b>	<b>G</b>
<b>NM OIL CONSERVATION</b> ARTESIA DISTRICT JUL 28 2014 RECEIVED		

IV. Well Completion Data

<sup>21</sup> Spud Date <b>4/9/14</b>	<sup>22</sup> Ready Date <b>6/25/14</b>	<sup>23</sup> TD <b>9375MD 4500TVD</b>	<sup>24</sup> PBTB <b>9320</b>	<sup>25</sup> Perforations <b>4805 - 9300</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>397</b>	<b>668sx</b>		
<b>12-1/4</b>	<b>9-5/8</b>	<b>1194</b>	<b>500sx</b>		
<b>7-7/8</b>	<b>5-1/2</b>	<b>9375</b>	<b>1900sx</b>		
	<b>2-7/8 tbg</b>	<b>4189</b>			

V. Well Test Data

<sup>31</sup> Date New Oil <b>7/1/14</b>	<sup>32</sup> Gas Delivery Date <b>7/1/14</b>	<sup>33</sup> Test Date <b>7/2/14</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>199</b>	<sup>39</sup> Water <b>2195</b>	<sup>40</sup> Gas <b>38</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: 		OIL CONSERVATION DIVISION Approved by: 	
Printed name: <b>Chasity Jackson</b>		Title: <b>District Supervisor</b>	
Title: <b>Regulatory Analyst</b>		Approval Date: <b>7-29-14</b>	
E-mail Address: <b>cjackson@concho.com</b>			
Date: <b>7/23/14</b>	Phone: <b>432-686-3087</b>		

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.  
NMNM117554

6. If Indian, Allottee or Tribe Name

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

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

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator  
COG OPERATING LLCContact: CHASITY JACKSON  
E-Mail: cjackson@concho.com8. Well Name and No.  
RED STRIPE 5 FEDERAL COM 2H9. API Well No.  
30-015-412243a. Address  
ONE CONCHO CENTER 600 W. ILLINOIS AVE  
MIDLAND, TX 797013b. Phone No. (include area code)  
Ph: 432-686-308710. Field and Pool, or Exploratory  
LOCO HILLS

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

Sec 6 T17S R30E Mer NMP 990FNL 90FEL

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
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Drilling Operations
	<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.)

5/15/14 Test frac valve to 7000psi. Spotted 3000 gals acid. Set plug @ 9320. Perf 10 stages @

8990 - 9300 w/6 SPF, 36 holes, CBP @ 8913.

6/13/14 Perf @ 8525 - 8840 w/6SPF, 36 holes, CBP @ 8458.

Perf @ 8060 - 8370 w/6SPF, 36 holes, CBP @ 7983.

Perf @ 7595 - 7905 w/6SPF, 36 holes, CBP @ 7518.

Perf @ 7130 - 7440 w/6SPF, 36 holes, CBP @ 7053.

Perf @ 6665 - 6975 w/6SPF, 36 holes, CBP @ 6582.

Perf @ 6195 - 6510 w/6SPF, 36 holes, CBP @ 6128.

Perf @ 5735 - 6045 w/6SPF, 36 holes, CBP @ 5658.

Perf @ 5270 - 5580 w/6SPF, 36 holes, CBP @ 5193.

Perf @ 4805 - 5110 w/6SPF, 36 holes. Acidize 10 stages w/36,275 gals 15% HCL. Frac w/1,362,949 gals gel, 252,731 gals WaterFrac, 214,220 gals treated water, 3,081,494# 20/40 brown sand, 561,876#

NM OIL CONSERVATION  
ARTESIA DISTRICT

JUL 28 2014

RECEIVED

Accepted for record  
RED NMDCD 7-29-14

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

Electronic Submission #254376 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 07/23/2014

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Date

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

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 #254376 that would not fit on the form**

**32. Additional remarks, continued**

20/40 CRC, 48,616# 100 Mesh.

6/20/14 Drill out plugs. Clean out to PBTD 9320.

6/25/14 RIH w/120jts 2-7/8" J55 6.5# tbg, EOT @ 4189. RIH w/ESP. Hang well on.

# NM OIL CONSERVATION ARTESIA DISTRICT

Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

JUL 28 2014

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

## WELL COMPLETION OR RECOMPLETION REPORT RECEIVED

5. Lease Serial No.  
NMNM117554

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name	
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		7. Unit or CA Agreement Name and No.	
2. Name of Operator COG OPERATING LLC		8. Lease Name and Well No. RED STRIPE 5 FEDERAL COM 2H	
Contact: CHASITY JACKSON E-Mail: cjackson@concho.com			
3. Address ONE CONCHO CENTER 600 W. ILLINOIS AVE MIDLAND, TX 79701		9. API Well No. 30-015-41224	
3a. Phone No. (include area code) Ph: 432-686-3087			
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 6 T17S R30E Mer NMP At surface Lot 1 990FNL 90FEL Sec 6 T17S R30E Mer NMP At top prod interval reported below Lot 1 990FNL 90FEL Sec 5 T17S R30E Mer NMP At total depth Lot 1 937FNL 372FEL		10. Field and Pool, or Exploratory LOCO HILLS	
		11. Sec., T., R., M., or Block and Survey or Area Sec 6 T17S R30E Mer NMP	
		12. County or Parish EDDY	
		13. State NM	
14. Date Spudded 04/09/2014		15. Date T.D. Reached 04/19/2014	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 06/25/2014		17. Elevations (DF, KB, RT, GL)* 3703 GL	
18. Total Depth: MD 9375 TVD 4500		19. Plug Back T.D.: MD 9320 TVD 9320	
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? <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 type="checkbox"/> No <input checked="" 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 Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	54.5		397		668		270	
12.250	9.625 J55	40.0		1194		500			
7.875	5.500 L80	17.0		9375		1900			

### 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	4189							

### 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	4805	9300	4805 TO 9300	0.430	360	OPEN
B)						
C)						
D)						

### 26. Perforation Record

Depth Interval	Amount and Type of Material
4805 TO 9300	ACIDIZE W/36,275 GALS 15% ACID. FRAC W/1,362,949 GALS GEL, 214,220 TREATED WATER,
4805 TO 9300	252,731 GALS WATER FRAC, 3,081,494# 20/40 BROWN, 561,876# 20/40 CRC, 48,616# 100 MESH.

### 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
07/01/2014	07/02/2014	24	→	199.0	38.0	2195.0	37.1	0.60	ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL 199	Gas MCF 38	Water BBL 2195	Gas:Oil Ratio 191	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	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	

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

ELECTRONIC SUBMISSION #254385 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

7-29-14

## 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
TANSIL	1094		LIMESTONE & DOLOMITE	TANSIL	1094
YATES	1200		SANDSTONE	YATES	1200
QUEEN	2086		DOLOMITE & LIMESTONE	QUEEN	2086
GRAYBURG	2509		SANDSTONE	GRAYBURG	2509
SAN ANDRES	2820		SANDSTONE	SAN ANDRES	2820
GLORIETA	4238		DOLOMITE & ANHYDRITE	GLORIETA	4238
PADDOCK	4335			PADDOCK	4335

32. Additional remarks (include plugging procedure):  
Will mail log.

## 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 #254385 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 \*\*