

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

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

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  
JAN 19 2018

RECEIVED

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 229137
		<sup>3</sup> Reason for Filing Code/ Effective Date NW Effective 11/17/17
<sup>4</sup> API Number 30 - 015 - 44271	<sup>5</sup> Pool Name Loco Hills;Glorieta Yeso	<sup>6</sup> Pool Code 96718
<sup>7</sup> Property Code 39065	<sup>8</sup> Property Name Carmen 3 Federal Com	<sup>9</sup> Well Number 91H

**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
<b>1</b>	3	17S	30E		430	North	170	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
<b>4</b>	3	17S	30E		344	North	10	West	Eddy

<sup>12</sup> Lse Code	<sup>13</sup> Producing Method Code	<sup>14</sup> Gas Connection Date	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date
F	P	11/17/17			

**III. Oil and Gas Transporters**

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> O/G/W
27841	Navajo Crude Oil Marketing	O
36785	DCP Midstream	G

**IV. Well Completion Data**

<sup>21</sup> Spud Date	<sup>22</sup> Ready Date	<sup>23</sup> TD	<sup>24</sup> PBTD	<sup>25</sup> Perforations	<sup>26</sup> DHC, MC
09/18/17	11/17/17	9717MD 4696TVD	9633	4853 - 9613	
<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	372	700sx ✓		
12-1/4	9-5/8	1452	1700sx ✓		
8-3/4	7	4082	✓		
8-3/4	5-1/2	9697	2150sx ✓		
	2-7/8 tbg	4912			

**V. Well Test Data**

<sup>31</sup> Date New Oil	<sup>32</sup> Gas Delivery Date	<sup>33</sup> Test Date	<sup>34</sup> Test Length	<sup>35</sup> Tbg. Pressure	<sup>36</sup> Csg. Pressure
11/18/17	11/19/17	11/30/17	24hrs	70	70
<sup>37</sup> Choke Size	<sup>38</sup> Oil	<sup>39</sup> Water	<sup>40</sup> Gas	<sup>41</sup> Test Method	
	161	1548	118	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:

*K. Castillo*

Printed name: Kanicia Castillo

Title: Lead Regulatory Analyst

E-mail Address: kcastillo@concho.com

Date: 1/17/18 Phone: 432-685-4332

OIL CONSERVATION DIVISION

Approved by:

*Raymond St. Padany*

Title: Geologist

Approval Date:

2-28-2018

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**NM OIL CONSERVATION**  
ARTESIA DISTRICT

JAN 19 2018

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**

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5. Lease Serial No.  
NMLC029020J

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. CARMEN 3 FEDERAL COM 91H	
Contact: KANICIA CASTILLO E-Mail: kcastillo@concho.com		9. API Well No. 30-015-44271	
3. Address 600 W ILLINOIS AVE ONE CONCHO CENTER MIDLAND, TX 79701		3a. Phone No. (include area code) Ph: 432-685-4332	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Lot 1 430FNL 170FEL At top prod interval reported below Lot 1 350FNL 691FEL At total depth Lot 4 344FNL 10FWL		10. Field and Pool, or Exploratory LOCO HILLS;GLORIETA-YESO	
14. Date Spudded 09/18/2017		15. Date T.D. Reached 10/01/2017	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 11/14/2017		17. Elevations (DF, KB, RT, GL)* 3760 GL	
18. Total Depth: MD 9717 TVD 4696		19. Plug Back T.D.: MD 9633 TVD 4696	
20. Depth Bridge Plug Set: MD TVD		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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	9.625 J55	40.0		1452		1700			
8.750	7.000 L80	29.0		4082					
8.750	5.000 L80	17.0		9697		2150			
17.500	13.375 J55	54.5	0	372		700		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	4912							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	4853	9613	4853 TO 9613	0.430	1040	OPEN
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
4853 TO 9613	ACIDIZE W/ 118,944 15% ACID, FRAC W/ 333,522 GALS TREATED WATER, 5,522,286 GALS SLICK WATER,

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
11/18/2017	11/30/2017	24	→	161.0	118.0	1548.0	38.3	0.60	ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
		70.0	→	161	118	1548	732	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 Grav
			→					
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well
			→					

Pending BLM approvals will subsequently be reviewed and scanned

BC 3-2-18

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

ELECTRONIC SUBMISSION #401256 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018

**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.  
NMLC029020J

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
CARMEN 3 FEDERAL COM 91H

9. API Well No.  
30-015-44271

10. Field and Pool or Exploratory Area  
LOCO HILLS; GLORIETA-YESO

11. County or Parish, State  
EDDY COUNTY, NM

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
COG OPERATING LLC  
Contact: KANICIA CASTILLO  
E-Mail: kcastillo@concho.com

3a. Address  
600 W ILLINOIS AVE  
MIDLAND, TX 79701

3b. Phone No. (include area code)  
Ph: 432-685-4332

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 20 T17S R30E Mer NMP 330FNL 150FEL

**12. CHECK THE 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"/> Hydraulic Fracturing	<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 recomplate 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 must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

10/12/17 Drilled 10? of OH to 9717?, new TD.  
10/13/17 Spotted 2500 gals acid.  
10/18/17 Test production casing to 6223# for 30mins, good test.  
10/31/17 - 11/14/17 Perf 30 stages @ 4853 ? 9613 w/6 SPF, 1080 holes. Acidize 30 stages w/118,944 gals 15% HCL. Frac w/333,522 gals treated water, 5,522,286 gals slick water, 1,495,160# 100 mesh sand, 2,729,320# 40/70 Arizona sand, 610,420# 40/70 CRC.  
11/08/17 ? 11/10/17 Drill out plugs. Clean out to PBTD 9633.  
11/14/17 RIH w/ESP, 149jts 2-7/8" J55 tbg, EOT @ 4912. Hang on.

This sundry to replace EC#401025. Corrected TD.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT  
JAN 19 2018  
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14. I hereby certify that the foregoing is true and correct.  
**Electronic Submission #401262 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 01/17/2018

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

Approved By \_\_\_\_\_ Title Pending BLM approvals will subsequently be reviewed and scanned 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. Offi \_\_\_\_\_

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person to States any false, fictitious or fraudulent statements or representations as to any matter within its \_\_\_\_\_ of the United

BC 3-2-18

(Instructions on page 2)

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