

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

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

RECEIVED

JUN 27 2019

Form C-104  
Revised August 1, 2011

Submit one copy to appropriate District Office

DISTRICT II-ARTESIA OGD

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

<sup>1</sup> Operator name and Address COG Operating LLC 2208 W. Main Street Artesia, NM 88210		<sup>2</sup> OGRID Number 229137
		<sup>3</sup> Reason for Filing Code/ Effective Date NW
<sup>4</sup> API Number 30 - 015-45163	<sup>5</sup> Pool Name Purple Sage; Wolfcamp (Gas)	<sup>6</sup> Pool Code 98220
<sup>7</sup> Property Code 322243	<sup>8</sup> Property Name Littlefield 33 Federal Com	<sup>9</sup> Well Number 706H

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

UI or lot no. 10	Section 33	Township 26S	Range 29E	Lot Idn	Feet from the 300	North/South Line South	Feet from the 2375	East/West line West	County Eddy
---------------------	---------------	-----------------	--------------	---------	----------------------	---------------------------	-----------------------	------------------------	----------------

<sup>11</sup> Bottom Hole Location

UI or lot no. C	Section 28	Township 26S	Range 29E	Lot Idn	Feet from the 203	North/South Line North	Feet from the 1536	East/West line West	County Eddy
<sup>12</sup> Lse Code P	<sup>13</sup> Producing Method Code F	<sup>14</sup> Gas Connection Date 5/28/19	<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
	ACC	O
	Delaware Basin Midstream 9950 Woodlock Forrest Dr The Woodlands, TX 77380	G
	Holly Refining and Marketing Co.	O

IV. Well Completion Data

V-10082

<sup>21</sup> Spud Date 10/8/18	<sup>22</sup> Ready Date 5/28/19	<sup>23</sup> TD 17006'	<sup>24</sup> PBTD 16880'	<sup>25</sup> Perforations 10,180-16,920'	<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		
14 3/4"	10 3/4"	595'	750		
9 7/8"	7 5/8"	9464'	2600		
6 3/4"	5 1/2"	16995'	2025		
	2 7/8"	9404'			

V. Well Test Data

<sup>31</sup> Date New Oil 5/28/19	<sup>32</sup> Gas Delivery Date 5/28/19	<sup>33</sup> Test Date 5/28/19	<sup>34</sup> Test Length 24 Hrs	<sup>35</sup> Tbg. Pressure 2850#	<sup>36</sup> Csg. Pressure 2160#
<sup>37</sup> Choke Size 24/64"	<sup>38</sup> Oil 514	<sup>39</sup> Water 1559	<sup>40</sup> Gas 2676		<sup>41</sup> Test Method Flowing

<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: *Amanda Avery*

Printed name:  
Amanda Avery

Title:  
Regulatory Analyst

E-mail Address:  
aavery@concho.com

Date:  
6/24/19

Phone:  
575-748-6962

OIL CONSERVATION DIVISION

Approved by: *Karen Sharp*

Title: *Staff Mgr*

Approval Date:  
7-16-19

Pending BLM approvals will  
subsequently be reviewed  
and scanned

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM 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.  
NMLC065928A

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
LITTLEFIELD 33 FEDERAL COM 706H9. API Well No.  
30-015-4516310. Field and Pool or Exploratory Area  
PURPLE SAGE; WOLFCAMP GAS11. County or Parish, State  
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other2. Name of Operator  
COG OPERATING LLC  
Contact: AMANDA AVERY  
E-Mail: aavery@concho.com3a. Address  
2208 W MAIN STREET  
ARTESIA, NM 88210  
3b. Phone No. (include area code)  
Ph: 575-748-69404. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 33 T26S R29E Mer NMP SESW 300FSL 2376FWL  
32.000938 N Lat, 103.990531 W Lon**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
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Hydraulic Fracture
	<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 must 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 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.

3/8/19 Test annulus to 1500# Set Composite Bridge plug @ 16,935' and test csg to 11,181#. Good test.

3/29/19 to 4/9/19 Perf 10,180-16,920' (1216). Acdz w/113,316 gal 7 1/2%; frac w/ 13,422,098# sand & 14,193,440 gal fluid.

4/30/19 to 5/1/19 Drilled out CFP's. Clean down to PBTD @16,880'.

5/13/19 -5/16/19 Set 2 7/8" 6.5# L-80 tbg @ 9,405' packer @ 9,395'. Installed gas lift system.

5/28/19 Began flowing back & testing. Date of first production.

RECEIVED

JUN 27 2019

DISTRICT II-ARTESIA O.C.D.

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

Electronic Submission #470255 verified by the BLM Well Information System  
For COG OPERATING LLC, sent to the Carlsbad

Name (Printed/Typed) AMANDA AVERY

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 06/24/2019

**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

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

(Instructions on page 2)

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***Pending BLM approvals will  
subsequently be reviewed  
and scanned

Agency of the United

RECEIVED

JUN 27 2019

Form 3160-4  
(August 2007)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT DISTRICT II-ARTESIA O.C.D.FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMLC065928A1a. 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 LLCContact: AMANDA AVERY  
E-Mail: aavery@concho.com8. Lease Name and Well No.  
LITTLEFIELD 33 FEDERAL COM 706H3. Address 2208 W MAIN STREET  
ARTESIA, NM 882103a. Phone No. (include area code)  
Ph: 575-748-69409. API Well No.  
30-015-451634. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
Sec 33 T26S R29E Mer NMP  
At surface SESW Lot 10 300FSL 2376FWL 32.000938 N Lat, 103.990531 W Lon  
Sec 33 T26S R29E Mer NMP  
At top prod interval reported below SESW Lot 10 300FSL 2376FWL 32.000938 N Lat, 103.990531 W Lon  
Sec 28 T26S R29E Mer NMP  
At total depth NENW Lot C 203FNL 1536FWL 32.020579 N Lat, 103.992958 W Lon10. Field and Pool, or Exploratory  
PURPLE SAGE; WOLFCAMP GAS11. Sec., T., R., M., or Block and Survey  
or Area Sec 33 T26S R29E Mer NMP12. County or Parish  
EDDY13. State  
NM14. Date Spudded  
10/08/201815. Date T.D. Reached  
02/11/201916. Date Completed  
☐ D & A ☒ Ready to Prod.  
05/28/201917. Elevations (DF, KB, RT, GL)\*  
2860 GL18. Total Depth: MD 17006  
TVD 1008219. Plug Back T.D.: MD 16880  
TVD 1008220. Depth Bridge Plug Set: MD 16935  
TVD 10082

21. Type Electric &amp; 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 Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
14.750	10.750 L80	45.5	0	595		1000		0	
9.875	7.625 L80	29.7	0	9465	2734	1650		0	
6.750	5.500 P110	23.0	0	16995		2025		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	9404	9395						

## 25. Producing Intervals

## 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	10180	16920	10180 TO 16920		1216	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
10180 TO 16920	SEE ATTACHED

## 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
05/28/2019	05/28/2019	24	→	514.0	2676.0	1559.0			GAS LIFT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
24/64	SI	2160.0	→	514	2676	1559		PGW	

## 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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

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

ELECTRONIC SUBMISSION #470248 VERIFIED BY THE BLM WELL INFORMATION S

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

Pending BLM approvals will  
subsequently be reviewed  
and scanned

## 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
LAMAR	2719			LAMAR	2719
CHERRY CANYON	3664			CHERRY CANYON	3664
BRUSHY CANYON	4945			BRUSHY CANYON	4945
BONE SPRING LIMESTONE	6497			BONE SPRING LIMESTONE	6497
1ST BONE SPRING	7435			1ST BONE SPRING	7435
2ND BONE SPRING	8222			2ND BONE SPRING	8222
3RD BONE SPRING	9311			3RD BONE SPRING	9311
WOLFCAMP	9665			WOLFCAMP	9665

## 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 #470248 Verified by the BLM Well Information System.  
For COG OPERATING LLC, sent to the Carlsbad

Name (please print) AMANDA AVERY

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 06/24/2019

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 \*\***