

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

Form C-104  
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

<sup>1</sup> Operator name and Address MATADOR PRODUCTION COMPANY 5400 LBJ FREEWAY, STE. 1500, DALLAS, TX 75240		<sup>2</sup> OGRID Number 228937
		<sup>3</sup> Reason for Filing Code/ Effective Date NW
<sup>4</sup> API Number 30 - 015-43477	<sup>5</sup> Pool Name Purple Sage;Wolfcamp (Gas)	<sup>6</sup> Pool Code 98220
<sup>7</sup> Property Code 315284	<sup>8</sup> Property Name JIMMY KONE 05 24S 28E RB	<sup>9</sup> Well Number 223H

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
I	05	24S	28E		2473	S	320	E	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
L	05	24S	28E		2283	S	241	W	Eddy
<sup>12</sup> Lse Code P	<sup>13</sup> Producing Method Code F	<sup>14</sup> Gas Connection Date 02/19/17	<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
372018	LONGWOOD RB PIPELINE, LLC 5400 LBJ FREEWAY, STE. 1500 DALLAS, TX 75240	G
311333	BRIDGER TRANSPORTATION, LLC 2009 CHENAULT DR. #100 CARROLLTON, TX 75006	O

IV. Well Completion Data

<sup>21</sup> Spud Date 11/28/16	<sup>22</sup> Ready Date 02/18/17	<sup>23</sup> TD TVD: 10,349' MD: 15,247'	<sup>24</sup> PBDT 15,227'	<sup>25</sup> Perforations 10,607' - 15,082'	<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		
Please see attached.					

V. Well Test Data

<sup>31</sup> Date New Oil 02/18/17	<sup>32</sup> Gas Delivery Date 02/19/17	<sup>33</sup> Test Date 03/03/17	<sup>34</sup> Test Length 24 HRS	<sup>35</sup> Tbg. Pressure ---	<sup>36</sup> Csg. Pressure 2900
<sup>37</sup> Choke Size 34/64	<sup>38</sup> Oil 582	<sup>39</sup> Water 3432	<sup>40</sup> Gas 8704	60R 14955	<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:

*Ava Monroe*

Printed name: Ava Monroe

Title: Sr. Engineering Technician

E-mail Address: amonroe@matadorresources.com

Date: 04/27/17

Phone: 972-371-5218

OIL CONSERVATION DIVISION

Approved by:

*Raymond H. Padany*

Title:

*Geologist*

Approval Date:

5-3-17



**NM OIL CONSERVATION**  
ARTESIA DISTRICT

Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**MAR 23 2017**

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

**WELL COMPLETION OR RECOMPLETION REPORT**

5. Lease Serial No.  
NMNM121474

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.  
COPPERHEAD 31 FEDERAL COM 3H

9. API Well No.  
30-015-43924

10. Field and Pool, or Exploratory  
PURPLE SAGE, WOLFCAMP

11. Sec., T., R., M., or Block and Survey  
or Area Sec 30 T26S R29E Mer NMP

12. County or Parish  
EDDY

13. State  
NM

17. Elevations (DF, KB, RT, GL)\*  
2942 GL

16. Date Completed  
☐ D & A ☒ Ready to Prod.  
02/17/2017

19. Plug Back T.D.: MD 17340  
TVD 10736

20. Depth Bridge Plug Set: MD 17340  
TVD 10736

22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit analysis)  
Directional Survey? ☐ No ☒ Yes (Submit analysis)

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 PRODUCTION LLC

Contact: STORMI DAVIS  
E-Mail: sdavis@concho.com

3. Address 2208 WEST MAIN  
ARTESIA, NM 88210

3a. Phone No. (include area code)  
Ph: 575-748-6946

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface NENE 349FNL 773FEL  
At top prod interval reported below  
Sec 31 T26S R29E Mer NMP  
At total depth SENE 1980FNL 656FEL

14. Date Spudded  
11/03/2016

15. Date T.D. Reached  
11/29/2016

16. Date Completed  
☐ D & A ☒ Ready to Prod.  
02/17/2017

18. Total Depth: MD 17495  
TVD 10736

19. Plug Back T.D.: MD 17340  
TVD 10736

20. Depth Bridge Plug Set: MD 17340  
TVD 10736

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
NONE

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
18.125	16.000 J55	75.0	0	414		400		0	
13.500	10.750 N80	45.5	0	2801		1250		0	
6.750	5.500 P110	23.0	0	9443		1500		0	
9.875	7.625 P110	29.7	0	10015		1325		2580	
6.750	5.000 P110	18.0	9443	17445					

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	9561							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	10916	17324	10916 TO 17324	0.430	1848	OPEN
B)			17370 TO 17380		60	UNDER CBP
C)						
D)						

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

Depth Interval	Amount and Type of Material
10916 TO 17324	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
02/17/2017	02/20/2017	24	→	81.0	1641.0	2990.0			ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
23/64	SI	3600.0	→	81	1641	2990		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.	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 #370323 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

SUBMITTED \*\*

Pending BLM approvals will  
subsequently be reviewed  
and scanned

RUP 4-7-17

## 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	2734	2772		RUSTLER	840
BELL CANYON	2773	3621		TOP OF SALT	1050
CHERRY CANYON	3622	4964		BOTTOM OF SALT	2512
BRUSHY CANYON	4965	6481		LAMAR	2734
BONE SPRING LM	6482	7397		BELL CANYON	2773
1ST BONE SPRING	7398	8779		CHERRY CANYON	3622
CHARKEY	8780	9259		BRUSHY CANYON	4965
3RD BONE SPRING	9260	9621		BONE SPRING LM	6482

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

Surveys &amp; perms/stimulation are attached.

Additional Tops:  
Wolfcamp 9622'

## 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 #370323 Verified by the BLM Well Information System.  
For COG PRODUCTION LLC, sent to the Carlsbad

Name (please print) STORMI DAVISTitle PREPARER

Signature \_\_\_\_\_ (Electronic Submission)

Date 03/20/2017

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 \*\***

**COPPERHEAD 31 FEDERAL COM #3H (30-015-43924)**

<u>Perfs</u>	<u>7 1/2% Acid (Gal)</u>	<u>Sand (#)</u>	<u>Fluid (Gal)</u>
1	1470	239920	505722
2	3012	301800	382692
3	2982	299930	366618
4	2940	303200	376446
5	3012	304780	378156
6	3024	300140	378084
7	2940	299550	373044
8	2982	293840	369558
9	3234	294620	375102
10	3024	302440	379092
11	2940	299690	369516
12	2940	300590	387954
13	3024	307960	375774
14	3012	302380	375216
15	3024	300750	374094
16	2940	300300	372582
17	2940	299290	370482
18	3012	301540	374754
19	3012	298730	378576
20	2970	300170	371834
21	2940	300270	371322
22	3012	299740	372696
23	3012	299750	372570
24	2982	292470	365190
25	2940	300180	368046
26	2982	299240	373044
27	3012	300710	394788
28	2940	300350	371784
29	3024	300470	372918
30	3024	294650	363216
31	3024	303070	371910
32	3024	302610	370944
33	3024	304490	371910
34	3024	298280	372582
35	3024	296470	366744
36	3024	300600	363342
37	3012	305720	372948
38	3024	303530	374430
39	3024	300330	361746
40	3024	298520	363846
41	3024	300600	360780
42	3024	301990	377202
<b>Totals</b>	<b>124,576</b>	<b>12,555,660</b>	<b>15,789,252</b>

From Bottom to Top	Stage 1	Distance Between Perfs	Shots	Stage 2	Distance Between Perfs	Shots	Stage 3	Distance Between Perfs	Shots	Stage 4	Distance Between Perfs	Shots	Stage 5	Distance Between Perfs	Shots
	17,324	42	14	17,120	85	14	17,010	42	14	16,855	43	14	16,706	36	14
	17,282	39	12	17,100	7	12	16,975	38	12	16,821	38	12	16,668	38	12
	17,243	38	10	17,093	41	10	16,937	39	10	16,783	41	10	16,630	39	10
	17,205		8	17,052		8	16,898		8	16,742		8	16,591		8
	Plug to Plug	135	44	Plug to Plug	88	44	Plug to Plug	134	44	Plug to Plug	128	44	Plug to Plug	135	44
	Frac Plug	17,340	Total Shots	Frac Plug	17,140	Total Shots	Frac Plug	17,032	Total Shots	Frac Plug	16,870	Total Shots	Frac Plug	16,726	Total Shots

From Bottom to Top	Stage 6	Distance Between Perfs	Shots	Stage 7	Distance Between Perfs	Shots	Stage 8	Distance Between Perfs	Shots	Stage 9	Distance Between Perfs	Shots	Stage 10	Distance Between Perfs	Shots
	16,553	38	14	16,400	38	14	16,246	39	14	16,093	38	14	15,941	34	14
	16,515	35	12	16,361	38	12	16,209	39	12	16,055	39	12	15,901	38	12
	16,480	42	10	16,323	38	10	16,170	39	10	16,016	41	10	15,863	39	10
	16,438		8	16,285		8	16,131		8	15,975		8	15,824		8
	Plug to Plug	134	44	Plug to Plug	134	44	Plug to Plug	134	44	Plug to Plug	131	44	Plug to Plug	135	44
	Frac Plug	16,572	Total Shots	Frac Plug	16,419	Total Shots	Frac Plug	16,265	Total Shots	Frac Plug	16,106	Total Shots	Frac Plug	15,959	Total Shots

From Bottom to Top	Stage 11	Distance Between Perfs	Shots	Stage 12	Distance Between Perfs	Shots	Stage 13	Distance Between Perfs	Shots	Stage 14	Distance Between Perfs	Shots	Stage 15	Distance Between Perfs	Shots
	15,780	44	14	15,633	38	14	15,479	39	14	15,326	38	14	15,173	38	14
	15,748	43	12	15,594	38	12	15,440	36	12	15,288	39	12	15,137	41	12
	15,705	34	10	15,556	38	10	15,404	40	10	15,249	38	10	15,096	38	10
	15,671		8	15,518		8	15,364		8	15,211		8	15,058		8
	Plug to Plug	121	44	Plug to Plug	134	44	Plug to Plug	135	44	Plug to Plug	132	44	Plug to Plug	134	44
	Frac Plug	15,792	Total Shots	Frac Plug	15,652	Total Shots	Frac Plug	15,499	Total Shots	Frac Plug	15,343	Total Shots	Frac Plug	15,192	Total Shots

From Bottom to Top	Stage 16	Distance Between Perfs	Shots	Stage 17	Distance Between Perfs	Shots	Stage 18	Distance Between Perfs	Shots	Stage 19	Distance Between Perfs	Shots	Stage 20	Distance Between Perfs	Shots
	15,019	39	14	14,861	43	14	14,687	64	14	14,559	42	14	14,406	38	14
	14,981	39	12	14,827	38	12	14,674	38	12	14,521	39	12	14,367	36	12
	14,942	38	10	14,789	38	10	14,636	35	10	14,482	38	10	14,331	40	10
	14,904		8	14,751		8	14,601		8	14,444		8	14,291		8
	Plug to Plug	129	44	Plug to Plug	134	44	Plug to Plug	119	44	Plug to Plug	134	44	Plug to Plug	135	44
	Frac Plug	15,033	Total Shots	Frac Plug	14,885	Total Shots	Frac Plug	14,720	Total Shots	Frac Plug	14,578	Total Shots	Frac Plug	14,426	Total Shots

From Bottom to Top	Stage 21	Distance Between Perfs	Shots	Stage 22	Distance Between Perfs	Shots	Stage 23	Distance Between Perfs	Shots	Stage 24	Distance Between Perfs	Shots	Stage 25	Distance Between Perfs	Shots
	14,252	39	14	14,099	38	14	13,945	39	14	13,786	44	14	13,630	47	14
	14,214	38	12	14,065	43	12	13,907	38	12	13,754	39	12	13,600	39	12
	14,176	39	10	14,022	38	10	13,869	39	10	13,715	38	10	13,561	34	10
	14,137		8	13,984		8	13,830		8	13,677		8	13,527		8
	Plug to Plug	134	44	Plug to Plug	134	44	Plug to Plug	129	44	Plug to Plug	134	44	Plug to Plug	121	44
	Frac Plug	14,271	Total Shots	Frac Plug	14,118	Total Shots	Frac Plug	13,959	Total Shots	Frac Plug	13,811	Total Shots	Frac Plug	13,648	Total Shots

From Bottom to Top	Stage 26	Distance Between Perfs	Shots	Stage 27	Distance Between Perfs	Shots	Stage 28	Distance Between Perfs	Shots	Stage 29	Distance Between Perfs	Shots	Stage 30	Distance Between Perfs	Shots
	13,485	42	14	13,332	38	14	13,179	38	14	13,021	42	14	12,872	38	14
	13,447	38	12	13,294	37	12	13,140	38	12	12,989	41	12	12,833	38	12
	13,409	39	10	13,257	40	10	13,102	39	10	12,948	38	10	12,795	41	10
	13,370		8	13,217		8	13,063		8	12,910		8	12,754		8
	Plug to Plug	134	44	Plug to Plug	134	44	Plug to Plug	135	44	Plug to Plug	134	44	Plug to Plug	130	44
	Frac Plug	13,504	Total Shots	Frac Plug	13,351	Total Shots	Frac Plug	13,198	Total Shots	Frac Plug	13,044	Total Shots	Frac Plug	12,884	Total Shots

From Bottom to Top	Stage 31	Distance Between Perfs	Shots	Stage 32	Distance Between Perfs	Shots	Stage 33	Distance Between Perfs	Shots	Stage 34	Distance Between Perfs	Shots	Stage 35	Distance Between Perfs	Shots
	12,719	35	14	12,565	38	14	12,412	38	14	12,258	39	14	12,105	38	14
	12,680	38	12	12,527	42	12	12,373	38	12	12,218	33	12	12,066	38	12
	12,642	39	10	12,485	35	10	12,335	38	10	12,185	42	10	12,028	38	10
	12,603		8	12,450		8	12,297		8	12,143		8	11,990		8
	Plug to Plug	135	44	Plug to Plug	120	44	Plug to Plug	134	44	Plug to Plug	136	44	Plug to Plug	134	44
	Frac Plug	12,738	Total Shots	Frac Plug	12,570	Total Shots	Frac Plug	12,431	Total Shots	Frac Plug	12,279	Total Shots	Frac Plug	12,124	Total Shots

From Bottom to Top	Stage 36	Distance Between Perfs	Shots	Stage 37	Distance Between Perfs	Shots	Stage 38	Distance Between Perfs	Shots	Stage 39	Distance Between Perfs	Shots	Stage 40	Distance Between Perfs	Shots
	11,951	39	14	11,798	38	14	11,647	36	14	11,491	39	14	11,338	41	14
	11,909	34	12	11,760	39	12	11,606	38	12	11,453	40	12	11,300	39	12
	11,875	39	10	11,721	38	10	11,568	38	10	11,413	34	10	11,261	38	10
	11,836		8	11,683		8	11,530		8	11,379		8	11,223		8
	Plug to Plug	135	44	Plug to Plug	128	44	Plug to Plug	134	44	Plug to Plug	121	44	Plug to Plug	134	44
	Frac Plug	11,971	Total Shots	Frac Plug	11,811	Total Shots	Frac Plug	11,664	Total Shots	Frac Plug	11,500	Total Shots	Frac Plug	11,357	Total Shots

From Bottom to Top	Stage 41	Distance Between Perfs	Shots	Stage 42	Distance Between Perfs	Shots	Stage 43	Distance Between Perfs	Shots	Stage 44	Distance Between Perfs	Shots	Stage 45	Distance Between Perfs	Shots
	11,184	39	14	11,031	38		10916			0			0		
	11,146	38	12	10,993	39										
	11,108	39	10	10,954	38										
	11,069		8	10,916											
	Plug to Plug	135	44	Plug to Plug	134	0	Plug to Plug	0	0	Plug to Plug	0	0	Plug to Plug	0	0
	Frac Plug	11,204	Total Shots	Frac Plug	11,050	Total Shots	Frac Plug		Total Shots	Frac Plug		Total Shots	Frac Plug		Total Shots