

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

HOBBS OCD  
FEB 06 2017  
RECEIVED

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 COG Production LLC 2208 W. Main Street Artesia, NM 88210		<sup>2</sup> OGRID Number 217955
		<sup>3</sup> Reason for Filing Code/ Effective Date NW
<sup>4</sup> API Number 30 - 025-43178	<sup>5</sup> Pool Name WC-025 G-06 S253206M; Bone Spring	<sup>6</sup> Pool Code 97899
<sup>7</sup> Property Code 39881	<sup>8</sup> Property Name Azores Federal	<sup>9</sup> Well Number 12H

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

Ul or lot no. N	Section 29	Township 24S	Range 32E	Lot Idn	Feet from the 210	North/South Line South	Feet from the 1780	East/West line West	County Lea
--------------------	---------------	-----------------	--------------	---------	----------------------	---------------------------	-----------------------	------------------------	---------------

<sup>11</sup> Bottom Hole Location

Ul or lot no. D	Section 29	Township 24S	Range 32E	Lot Idn	Feet from the 97	North/South Line North	Feet from the 1009	East/West line West	County Lea
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code F	<sup>14</sup> Gas Connection Date 12/29/16	<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
	Alpha Crude Connector Pipeline	O
	Lucid Energy	G

IV. Well Completion Data

<sup>21</sup> Spud Date 7/18/16	<sup>22</sup> Ready Date 12/6/16	<sup>23</sup> TD 14092'	<sup>24</sup> PBSD 14060'	<sup>25</sup> Perforations 9335-13860'	<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"	800'	700		
12 1/4"	9 5/8"	4576'	1470		
8 3/4"	5 1/2"	14092'	2090		
	2 7/8"	8673'			

V. Well Test Data

<sup>31</sup> Date New Oil 12/26/16	<sup>32</sup> Gas Delivery Date 12/29/16	<sup>33</sup> Test Date 12/30/16	<sup>34</sup> Test Length 24 Hrs	<sup>35</sup> Tbg. Pressure 900#	<sup>36</sup> Csg. Pressure 500#
<sup>37</sup> Choke Size	<sup>38</sup> Oil 199	<sup>39</sup> Water 1134	<sup>40</sup> Gas 227		<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:

Printed name:  
Stormi Davis

Title:  
Regulatory Analyst

E-mail Address:  
sdavis@concho.com

Date:  
2/1/17

Phone:  
575-748-6946

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Petroleum Engineer

02/08/17

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

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM120908
2. Name of Operator COG PRODUCTION LLC		6. If Indian, Allottee or Tribe Name
3a. Address 2208 WEST MAIN ARTESIA, NM 88210		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 575-748-6946		8. Well Name and No. AZORES FEDERAL 12H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 29 T24S R32E Mer NMP SESW 210FSL 1680FWL		9. API Well No. 30-025-43178
		10. Field and Pool or Exploratory Area WC; BONE SPRING
		11. County or Parish, State LEA COUNTY, NM

**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	
	<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 recomple 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 recomple 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.

8/23/16 Load &amp; test annulus to 1500#. Good test. Ran CBL. TOC @ 1474'. Set CBP @ 14060'.

10/31/16 to 11/10/16 Test CBP to 8547# for 30 mins. Good test. Perf 9335-13860' (1364). Acdz w/97,692 gal 7 1/2% acid; frac w/9,168,023# sand &amp; 10,709,454 gal fluid.

11/28/16 to 11/29/16 Drilled out all frac plugs &amp; cleaned down to CBP.

12/5/16 to 12/6/16 Set 2 7/8" 6.5# L-80 tbg @ 8673' &amp; pkr @ 8664'. Installed gas-lift system.

12/24/16 Began flowing back &amp; testing.

12/26/16 Date of 1st production.

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #365610 verified by the BLM Well Information System For COG PRODUCTION LLC, sent to the Hobbs</b>	
Name (Printed/Typed) STORMI DAVIS	Title PREPARER
Signature (Electronic Submission)	Date 02/01/2017

**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.

(Instructions on page 2)

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



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

HOBBS OCD

FEB 06 2017

RECEIVED

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 PRODUCTION LLC			8. Lease Name and Well No. AZORES FEDERAL 12H		
3. Address 2208 WEST MAIN ARTESIA, NM 88210			9. API Well No. 30-025-43178		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Sec 29 T24S R32E Mer NMP SESW 210FSL 1680FWL At top prod interval reported below Sec 29 T24S R32E Mer NMP At total depth NWNW 97FNL 1009FWL			10. Field and Pool, or Exploratory WC; BONE SPRING		
14. Date Spudded 07/18/2016			15. Date T.D. Reached 07/30/2016		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 12/06/2016			17. Elevations (DF, KB, RT, GL)* 3496 GL		
18. Total Depth: MD 14092 TVD 9092			19. Plug Back T.D.: MD 14060 TVD 9092		
20. Depth Bridge Plug Set: MD 14060 TVD 9092			21. Type Electric & Other Mechanical Logs Run (Submit copy of each) NONE		
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 Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	54.5	0	800		700		0	
12.250	9.625 J55	40.0	0	4576		1470		0	
8.750	5.500 P110	17.0	0	14092		2090		1474	

## 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	8673	8664						

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	9335	13860	9335 TO 13860	0.430	1364	OPEN
B)						
C)						
D)						

## 26. Perforation Record

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

Depth Interval	Amount and Type of Material
9335 TO 13860	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
12/26/2016	12/30/2016	24	→	199.0	227.0	1134.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. 900 SI	Csg. Press. 500.0	24 Hr. Rate →	Oil BBL 199	Gas MCF 227	Water BBL 1134	Gas:Oil Ratio	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 #365608 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.)

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	4584	4608		RUSTLER	766
BELL CANYON	4609	5521		TOS	1070
CHERRY CANYON	5522	6875		BOS	4358
BRUSHY CANYON	6876	8513		LAMAR	4584
BONE SPRING LM	8514	9149		BELL CANYON	4609
				CHERRY CANYON	5522
				BRUSHY CANYON	6876
				BONE SPRING LM	8514

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

Surveys, perms &amp; stimulation are attached.

## 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 #365608 Verified by the BLM Well Information System.  
For COG PRODUCTION LLC, sent to the Hobbs**

Name (please print) STORMI DAVIS Title PREPARERSignature \_\_\_\_\_ (Electronic Submission) Date 02/01/2017

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 \*\*

**AZORES FEDERAL #12H (30-025-43178)**

<u>Perfs</u>	<u>7 1/2% Acid (Gal)</u>	<u>Sand (#)</u>	<u>Fluid (Gal)</u>
1	5544	296212	388920
2	3024	298406	346500
3	3024	300060	344568
4	2982	297707	343392
5	3024	300649	347088
6	3024	301089	340410
7	4536	300008	372456
8	3024	242438	314832
9	3024	303865	371322
10	3024	299675	347214
11	3024	302080	352002
12	3024	301912	344274
13	3024	297552	345912
14	3024	301095	348810
15	3024	301186	340368
16	3024	302142	345366
17	3066	300162	347592
18	3024	263178	347214
19	3024	247627	328356
20	3024	299897	345492
21	3024	299294	346374
22	3024	301415	344694
23	3024	301635	340830
24	3024	301579	342762
25	2982	300223	346668
26	3024	297587	337386
27	3024	300312	336210
28	2982	301246	333354
29	3024	301093	343518
30	3024	300488	339444
31	3024	306211	336126
<b>Totals</b>	<b>97692</b>	<b>9168023</b>	<b>10709454</b>



AZORES FEDERAL #12H  
30-025-43178

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
	13,860	30	14	13,734	36	14	13,614	30	14	13,493	31	14	13,370	30	14
	13,830	30	12	13,704	30	12	13,584	30	12	13,464	30	12	13,340	32	12
	13,800	30	10	13,674	30	10	13,554	30	10	13,434	34	10	13,308	30	10
	13,770		8	13,644		8	13,524		8	13,400		8	13,278		8
	Plug to Plug	126	44	Plug to Plug	120	44	Plug to Plug	116	44	Plug to Plug	128	44	Plug to Plug	122	44
Frac Plug		13,870	Total Shots	Frac Plug	13,744	Total Shots	Frac Plug	13,624	Total Shots	Frac Plug	13,508	Total Shots	Frac Plug	13,380	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
	13,248	30	14	13,112	46	14	12,984	41	14	12,860	33	14	12,746	32	14
	13,217	29	12	13,082	27	12	12,953	30	12	12,836	30	12	12,716	32	12
	13,188	30	10	13,055	30	10	12,923	30	10	12,806	28	10	12,684	28	10
	13,158		8	13,025		8	12,893		8	12,778		8	12,656		8
	Plug to Plug	136	44	Plug to Plug	128	44	Plug to Plug	118	44	Plug to Plug	120	44	Plug to Plug	120	44
Frac Plug		13,258	Total Shots	Frac Plug	13,122	Total Shots	Frac Plug	12,994	Total Shots	Frac Plug	12,876	Total Shots	Frac Plug	12,756	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
	12,626	30	14	12,498	41	14	12,375	32	14	12,255	30	14	12,135	30	14
	12,596	27	12	12,467	30	12	12,345	30	12	12,225	30	12	12,105	30	12
	12,569	30	10	12,437	30	10	12,315	30	10	12,195	30	10	12,075	30	10
	12,539		8	12,407		8	12,285		8	12,165		8	12,045		8
	Plug to Plug	128	44	Plug to Plug	118	44	Plug to Plug	125	44	Plug to Plug	120	44	Plug to Plug	131	44
Frac Plug		12,636	Total Shots	Frac Plug	12,508	Total Shots	Frac Plug	12,390	Total Shots	Frac Plug	12,265	Total Shots	Frac Plug	12,145	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
	12,004	41	14	11,871	43	14	11,748	33	14	11,635	30	14	11,502	43	14
	11,973	29	12	11,841	30	12	11,718	30	12	11,605	30	12	11,470	30	12
	11,944	30	10	11,811	30	10	11,688	23	10	11,575	30	10	11,440	30	10
	11,914		8	11,781		8	11,665		8	11,545		8	11,410		8
	Plug to Plug	133	44	Plug to Plug	120	44	Plug to Plug	116	44	Plug to Plug	133	44	Plug to Plug	139	44
Frac Plug		12,014	Total Shots	Frac Plug	11,881	Total Shots	Frac Plug	11,761	Total Shots	Frac Plug	11,645	Total Shots	Frac Plug	11,512	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
	11,363	47	14	11,175	47	14	10,987	47	14	10,800	47	14	10,616	37	14
	11,316	47	12	11,128	47	12	10,940	47	12	10,755	45	12	10,561	46	12
	11,269	47	10	11,081	47	10	10,893	46	10	10,710	57	10	10,515	38	10
	11,222		8	11,034		8	10,847		8	10,653		8	10,477		8
	Plug to Plug	182	44	Plug to Plug	177	44	Plug to Plug	187	44	Plug to Plug	194	44	Plug to Plug	176	44
Frac Plug		11,373	Total Shots	Frac Plug	11,191	Total Shots	Frac Plug	11,014	Total Shots	Frac Plug	10,827	Total Shots	Frac Plug	10,633	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
	10,423	54	14	10,235	47	14	10,047	47	14	9,859	47	14	9,671	47	14
	10,376	47	12	10,188	47	12	10,000	47	12	9,812	47	12	9,622	45	12
	10,329	47	10	10,141	47	10	9,953	47	10	9,765	47	10	9,577	47	10
	10,282		8	10,094		8	9,906		8	9,718		8	9,530		8
	Plug to Plug	195	44	Plug to Plug	188	44	Plug to Plug	199	44	Plug to Plug	179	44	Plug to Plug	202	44
Frac Plug		10,457	Total Shots	Frac Plug	10,262	Total Shots	Frac Plug	10,074	Total Shots	Frac Plug	9,875	Total Shots	Frac Plug	9,696	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
	9,476	54	14		9335			0			0			0	
	9,429	49	12												
	9,380	45	10												
	9,335		8												
	Plug to Plug	9494	44	Plug to Plug	0	0	Plug to Plug	0	0	Plug to Plug	0	0	Plug to Plug	0	0
Frac Plug		9,494	Total Shots	Frac Plug		Total Shots	Frac Plug		Total Shots	Frac Plug		Total Shots	Frac Plug		Total Shots