

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

HOBBS OCD

Submit one copy to appropriate District Office

JAN 26 2017

AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address COG Production LLC 2208 W. Main Street Artesia, NM 88210		² OGRID Number 217955
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 025-43212	⁵ Pool Name WC-025 G-06 S253206M; Bone Spring	⁶ Pool Code 97899
⁷ Property Code 39881	⁸ Property Name Azores Federal	⁹ Well Number 8H

II. ¹⁰ Surface Location

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

¹¹ 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
C	29	24S	32E		77	North	1671	West	Lea

¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 12/14/16	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
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III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
	Alpha Crude Connector Pipeline	O
	Lucid Energy	G

IV. Well Completion Data

²¹ Spud Date 7/4/16	²² Ready Date 12/4/16	²³ TD 14035'	²⁴ PBSD 14033'	²⁵ Perforations 9290-13985'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8"	810'	660		
12 1/4"	9 5/8"	4534'	1470		
8 3/4"	5 1/2"	14035'	2090		
	2 7/8"	8583'			

V. Well Test Data

³¹ Date New Oil 12/14/16	³² Gas Delivery Date 12/14/16	³³ Test Date 12/14/16	³⁴ Test Length 24 Hrs	³⁵ Tbg. Pressure 650#	³⁶ Csg. Pressure 550#
³⁷ Choke Size 44/64"	³⁸ Oil 197	³⁹ Water 3215	⁴⁰ Gas 504		⁴¹ Test Method Flowing

⁴² 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: 1/23/17

OIL CONSERVATION DIVISION
Approved by: 
Title: Petroleum Engineer
Approval Date: 01/27/17
Phone: 575-748-6946

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NNMM120908

1a. Type of Well Oil Well Gas Well Dry Other **RECEIVED**
 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 **Sec 29 T24S R32E Mer NMP SESW 210FSL 1780FWL**
 At top prod interval reported below **Sec 29 T24S R32E Mer NMP**
 At total depth **NENW 77FNL 1671FWL**

6. If Indian, Allottee or Tribe Name _____
 7. Unit or CA Agreement Name and No. _____

8. Lease Name and Well No. **AZORES FEDERAL 8H**
 9. API Well No. **30-025-43212**

10. Field and Pool, or Exploratory **WC; BONE SPRING**
 11. Sec., T., R., M., or Block and Survey or Area **Sec 29 T24S R32E Mer NMP**
 12. County or Parish **LEA** 13. State **NM**

14. Date Spudded **07/04/2016** 15. Date T.D. Reached **07/15/2016** 16. Date Completed D & A Ready to Prod.
12/04/2016

17. Elevations (DF, KB, RT, GL)* **3495 GL**

18. Total Depth: MD **14035** TVD **9120** 19. Plug Back T.D.: MD **14033** TVD **9120** 20. Depth Bridge Plug Set: MD **14033** TVD **9120**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) **NONE**
 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
17.500	13.375 J55	54.5	0	810		660		0	
12.250	9.625 J55	40.0	0	4534		1470		0	
8.750	5.500 P110	17.0	0	14035		2090		1740	

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	8583	8564						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	9290	13985	9290 TO 13985	0.430	1364	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
9290 TO 13985	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
12/14/2016	12/14/2016	24	→	197.0	504.0	3215.0			FLOW FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
44/64	SI	550.0	→	197	504	3215		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 #364520 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	4594	4618		RUSTLER	772
BELL CANYON	4619	5529		TOS	1076
CHERRY CANYON	5530	6896		BOS	4368
BRUSHY CANYON	6897	8510		LAMAR	4594
BONE SPRING LM	8511	9135		BELL CANYON	4619
				CHERRY CANYON	5530
				BRUSHY CANYON	6897
				BONE SPRING LM	8511

32. Additional remarks (include plugging procedure):
Surveys, perms & 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 #364520 Verified by the BLM Well Information System.
For COG PRODUCTION LLC, sent to the Hobbs**

Name (please print) STORMI DAVIS Title PREPARER

Signature _____ (Electronic Submission) Date 01/23/2017

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 ****

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OCD

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. 26 2017

5. Lease Serial No.
NMNM120908

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on page 2

RECEIVED

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
AZORES FEDERAL 8H

2. Name of Operator
COG PRODUCTION LLC
Contact: STORMI DAVIS
E-Mail: sdavis@concho.com

9. API Well No.
30-025-43212

3a. Address
2208 WEST MAIN
ARTESIA, NM 88210

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

10. Field and Pool or Exploratory Area
WC; BONE SPRING

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 29 T24S R32E Mer NMP SESW 210FSL 1780FWL

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 recomplete 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.

8/24/16 Test 9 5/8" x 5 1/2" annulus to 1500#. Good test. Ran CBL. TOC @ 1740'.
11/1/16 to 11/9/16 Perforate 9290-13985' (1364). Acdz w/95,046 gal 7 1/2% acid; frac w/9,242,838# sand & 10,783,542 gal fluid.
12/1/16 to 12/2/16 Drilled out all frac plugs & circ clean.
12/3/16 to 12/4/16 Set 2 7/8" 6.5# L-80 tbg @ 8583' & pkr @ 8564'. Installed gas-lift system.
12/11/16 Began flowing back & testing.
12/14/16 Date of 1st production.

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #364518 verified by the BLM Well Information System For COG PRODUCTION LLC, sent to the Hobbs

Name (Printed/Typed) STORMI DAVIS Title PREPARER

Signature (Electronic Submission) Date 01/23/2017

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 ****

AZORES FEDERAL #8H (30-025-43212)

HOBBS OCD

JAN 26 2017

RECEIVED

<u>Perfs</u>	<u>7 1/2% Acid (Gal)</u>	<u>Sand (#)</u>	<u>Fluid (Gal)</u>
1	4032	296565	372414
2	2982	300608	345534
3	3024	300301	396648
4	3024	304473	349356
5	3024	300062	368382
6	3024	253412	316890
7	3024	301716	349020
8	3024	300624	383082
9	3024	301215	341922
10	3024	297685	392112
11	3066	301553	345702
12	3024	300206	348852
13	3024	301905	343476
14	3024	302973	346584
15	3024	299349	346332
16	3024	299368	340620
17	3024	300244	338394
18	3024	300695	345576
19	3024	299553	344358
20	3024	300915	331590
21	3024	300963	341628
22	3024	301214	345240
23	3150	300034	342594
24	3024	281757	325038
25	3024	298888	333438
26	3276	298771	343056
27	2982	298653	342216
28	2982	298285	341754
29	3024	300201	337596
30	3024	300491	340704
31	3024	300159	343434
Totals	95046	9242838	10783542

AZORES FEDERAL #8H
30-025-43212

	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
	From Bottom to Top	13,985	38	14	13,832	38	14	13,681	36	14	13,527	38	14	13,374	38
13,947		38	12	13,794	38	12	13,641	38	12	13,486	35	12	13,336	38	12
13,909		39	10	13,756	39	10	13,603	38	10	13,451	39	10	13,298	31	10
13,870			8	13,717		8	13,565		8	13,412		8	13,267		8
	Plug to Plug	156	44	Plug to Plug	152	44	Plug to Plug	151	44	Plug to Plug	158	44	Plug to Plug	149	44
	Frac Plug	14,007	Total Shots	Frac Plug	13,851	Total Shots	Frac Plug	13,699	Total Shots	Frac Plug	13,548	Total Shots	Frac Plug	13,390	Total Shots

	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
	From Bottom to Top	13,222	45	14	13,069	38	14	12,916	38	14	12,764	41	14	12,610	39
13,183		38	12	13,035	42	12	12,878	38	12	12,725	38	12	12,574	39	12
13,145		38	10	12,993	39	10	12,840	35	10	12,687	38	10	12,535	39	10
13,107			8	12,954		8	12,805		8	12,649		8	12,496		8
	Plug to Plug	153	44	Plug to Plug	160	44	Plug to Plug	145	44	Plug to Plug	153	44	Plug to Plug	164	44
	Frac Plug	13,241	Total Shots	Frac Plug	13,088	Total Shots	Frac Plug	12,928	Total Shots	Frac Plug	12,783	Total Shots	Frac Plug	12,630	Total Shots

	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
	From Bottom to Top	12,456	40	14	12,305	39	14	12,160	31	14	11,995	43	14	11,847	39
12,420		41	12	12,267	38	12	12,115	39	12	11,962	35	12	11,809	38	12
12,379		35	10	12,229	38	10	12,076	38	10	11,927	41	10	11,771	38	10
12,344			8	12,191		8	12,038		8	11,886		8	11,733		8
	Plug to Plug	141	44	Plug to Plug	153	44	Plug to Plug	167	44	Plug to Plug	139	44	Plug to Plug	152	44
	Frac Plug	12,466	Total Shots	Frac Plug	12,325	Total Shots	Frac Plug	12,172	Total Shots	Frac Plug	12,005	Total Shots	Frac Plug	11,866	Total Shots

	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
	From Bottom to Top	11,695	38	14	11,542	38	14	11,389	39	14	11,240	35	14	11,084	38
11,657		39	12	11,501	35	12	11,351	38	12	11,199	39	12	11,046	37	12
11,618		38	10	11,468	38	10	11,313	38	10	11,160	38	10	11,009	40	10
11,580			8	11,428		8	11,275		8	11,122		8	10,969		8
	Plug to Plug	152	44	Plug to Plug	154	44	Plug to Plug	152	44	Plug to Plug	153	44	Plug to Plug	155	44
	Frac Plug	11,714	Total Shots	Frac Plug	11,562	Total Shots	Frac Plug	11,408	Total Shots	Frac Plug	11,256	Total Shots	Frac Plug	11,103	Total Shots

	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
	From Bottom to Top	10,931	38	14	10,779	36	14	10,626	38	14	10,473	38	14	10,321	44
10,893		38	12	10,740	38	12	10,585	35	12	10,435	38	12	10,282	38	12
10,855		40	10	10,702	38	10	10,550	39	10	10,397	32	10	10,244	38	10
10,815			8	10,664		8	10,511		8	10,365		8	10,206		8
	Plug to Plug	150	44	Plug to Plug	153	44	Plug to Plug	157	44	Plug to Plug	148	44	Plug to Plug	153	44
	Frac Plug	10,948	Total Shots	Frac Plug	10,798	Total Shots	Frac Plug	10,645	Total Shots	Frac Plug	10,488	Total Shots	Frac Plug	10,340	Total Shots

	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
	From Bottom to Top	10,168	38	14	10,015	38	14	9,864	36	14	9,710	38	14	9,557	38
10,133		41	12	9,977	38	12	9,824	38	12	9,669	35	12	9,519	38	12
10,092		39	10	9,939	39	10	9,786	38	10	9,634	39	10	9,481	30	10
10,053			8	9,900		8	9,748		8	9,596		8	9,451		8
	Plug to Plug	161	44	Plug to Plug	144	44	Plug to Plug	151	44	Plug to Plug	157	44	Plug to Plug	150	44
	Frac Plug	10,187	Total Shots	Frac Plug	10,026	Total Shots	Frac Plug	9,882	Total Shots	Frac Plug	9,731	Total Shots	Frac Plug	9,574	Total Shots

	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
	From Bottom to Top	9,405	46	14		9290			0			0			0
9,366		38	12												
9,328		38	10												
9,290			8												
	Plug to Plug	134	44	Plug to Plug	0	0									
	Frac Plug	9,424	Total Shots	Frac Plug		Total Shots									