

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

HOBBS OCD

Form C-104
Revised August 1, 2011

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

FEB 06 2017

Submit one copy to appropriate District Office

AMENDED REPORT

RECEIVED

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 - 025-43178	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 12H

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
D	29	24S	32E		97	North	1009	West	Lea

¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 12/29/16	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 7/18/16	²² Ready Date 12/6/16	²³ TD 14092'	²⁴ PBSD 14060'	²⁵ Perforations 9335-13860'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ 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

³¹ Date New Oil 12/26/16	³² Gas Delivery Date 12/29/16	³³ Test Date 12/30/16	³⁴ Test Length 24 Hrs	³⁵ Tbg. Pressure 900#	³⁶ Csg. Pressure 500#
³⁷ Choke Size	³⁸ Oil 199	³⁹ Water 1134	⁴⁰ Gas 227	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:
2/1/17

Phone:
575-748-6946

OIL CONSERVATION DIVISION

Approved by:



Title:

Petroleum Engineer

Approval Date:

02/08/17

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.

HOBBS OCD
FEB 06 2017
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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

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
AZORES FEDERAL 12H

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

9. API Well No.
30-025-43178

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 1680FWL

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.

8/23/16 Load & 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 & 10,709,454 gal fluid.

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

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

12/24/16 Began flowing back & testing.

12/26/16 Date of 1st production.

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

**Electronic Submission #365610 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 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 MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

HOBBS OCD
FEB 06 2017
RECEIVED

5. Lease Serial No.
NMNM120908

1a. 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 PRODUCTION LLC** Contact: **STORMI DAVIS**
 E-Mail: **sdavis@concho.com**

8. Lease Name and Well No.
AZORES FEDERAL 12H

3. Address **2208 WEST MAIN** 3a. Phone No. (include area code)
ARTESIA, NM 88210 Ph: **575-748-6946**

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
 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 **07/18/2016** 15. Date T.D. Reached **07/30/2016** 16. Date Completed
 D & A Ready to Prod.
12/06/2016

17. Elevations (DF, KB, RT, GL)*
3496 GL

18. Total Depth: MD **14092** 19. Plug Back T.D.: MD **14060**
 TVD **9092** 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? 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 Sks. & 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

26. Perforation Record

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)						

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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI	900	500.0	→	199	227	1134		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 #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 & 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 PREPARER

Signature _____ (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.

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
Totals	97692	9168023	10709454

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									
	Frac Plug	9,494	Total Shots	Frac Plug		Total Shots									