

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

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 - 025-43708	⁵ Pool Name WC-025 G-06 S253206M; Bone Spring	⁶ Pool Code 97899
⁷ Property Code 40143	⁸ Property Name Windward 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
A	30	24S	32E		210	North	531	East	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
P	31	24S	32E		241	South	308	East	Lea

¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 8/10/17	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

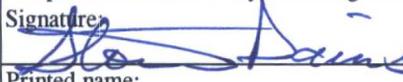
IV. Well Completion Data

²¹ Spud Date 5/7/17	²² Ready Date 8/5/17	²³ TD 19062'	²⁴ PBDT 18985'	²⁵ Perforations 9301-18960'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8"	825'	750		
12 1/4"	9 5/8"	4654'	1555		
8 3/4"	5 1/2"	19062'	3300		
	2 7/8"	8663'			

V. Well Test Data

³¹ Date New Oil 8/7/17	³² Gas Delivery Date 8/10/17	³³ Test Date 8/7/17	³⁴ Test Length 24 Hrs	³⁵ Tbg. Pressure 300#	³⁶ Csg. Pressure 450#
³⁷ Choke Size	³⁸ Oil 166	³⁹ Water 3633	⁴⁰ Gas 350	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: 8/22/17 Phone: 575-748-6946

OIL CONSERVATION DIVISION
Approved by: 
Title: Petroleum Engineer
Approval Date: 09/06/17
C-104 TEMPORARY APPROVAL pending receipt of approved BLM forms attached

HOBBS OCD
AUG 29 2017
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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

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other 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 _____			5. Lease Serial No. NMNM120908		
2. Name of Operator COG PRODUCTION LLC Contact: STORMI DAVIS E-Mail: sdavis@concho.com			6. If Indian, Allottee or Tribe Name 7. Unit or CA Agreement Name and No.		
3. Address 2208 WEST MAIN ARTESIA, NM 88210		3a. Phone No. (include area code) 707-245-8226	8. Lease Name and Well No. WINDWARD FEDERAL 12H		9. API Well No. 30-025-43708
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 30 T24S R32E Mer NMP At surface NENE 210FNL 531FEL At top prod interval reported below Sec 31 T24S R32E Mer NMP At total depth SESE 241FSL 308FEL			AUG 25 2017 RECEIVED		
10. Field and Pool, or Exploratory WILDCAT; BONE SPRING	11. Sec., T., R., M., or Block and Survey or Area Sec 30 T24S R32E Mer NMP	12. County or Parish LEA	13. State NM	17. Elevations (DF, KB, RT, GL)* 3548 GL	
14. Date Spudded 05/07/2017	15. Date T.D. Reached 05/21/2017	16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 08/05/2017			
18. Total Depth: MD 19062 TVD 9177	19. Plug Back T.D.: MD 18985 TVD 9175	20. Depth Bridge Plug Set: MD 18985 TVD 9175			
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 K55	54.5	0	825		750		0	
12.250	9.625 L80	40.0	0	4654		1555		0	
8.750	5.500 P110	17.0	0	19062		3300		2860	

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	8663	8654						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	9301	18960	9301 TO 18960	0.430	2816	OPEN
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
9301 TO 18960	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
08/07/2017	08/07/2017	24	→	166.0	350.0	3633.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. 300 SI	Csg. Press. 450.0	24 Hr. Rate →	Oil BBL 166	Gas MCF 350	Water BBL 3633	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 #385784 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	4630	4650		RUSTLER	842
BELL CANYON	4651	5557		TOS	1060
CHERRY CANYON	5558	6875		BOS	4391
BRUSHY CANYON	6876	8498		LAMAR	4630
BONE SPRING LM	8499	9182		BELL CANYON	4651
				CHERRY CANYON	5558
				BRUSHY CANYON	6876
				BONE SPRING LM	8499

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 #385784 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 08/23/2017

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 ****

WINDWARD FEDERAL #12H

<u>Perfs</u>	<u>7 1/2% Acid (Gal)</u>	<u>Sand (#)</u>	<u>Fluid (Gal)</u>
1	1512	299298	335076
2	3024	300053	365022
3	3024	299185	365190
4	3024	301664	360654
5	3024	299475	360318
6	3024	300261	360024
7	3024	300229	354270
8	3024	299933	356832
9	3024	299474	405594
10	3108	299175	354984
11	3066	300930	355740
12	3024	212028	296772
13	3024	300464	358134
14	3024	300077	359688
15	3024	298992	351372
16	3024	300735	354186
17	3024	299932	356622
18	3024	300414	354354
19	3024	299960	351204
20	3024	300103	353514
21	2982	299460	352044
22	2982	300032	352380
23	3024	258833	339486
24	3024	301105	346836
25	3024	300130	485226
26	3024	299206	420546
27	3024	299887	347172
28	3024	299874	346416
29	3024	299207	346668
30	3024	299713	345870
31	3024	301083	348096
32	3024	299799	347634
33	3024	298108	347214
34	3024	298716	348474
35	3024	300173	346920
36	3024	299580	349440
37	3024	300245	344358
38	3024	300397	345492
39	3024	300012	343938
40	3024	300029	344358
41	3024	300954	345492
42	3024	300869	344400
43	3024	299941	345114
44	3024	299538	345996
45	3024	300110	343224
46	3234	301052	346878
47	3024	299318	338814
48	3024	273353	327852
49	3024	300625	343350
50	3024	299998	342594
51	3024	300831	344820
52	3024	299054	349440
53	3024	300746	343980
54	3024	387518	554568
55	3024	299960	340452
56	3024	300694	343308
57	3024	299945	336126
58	3024	299399	355782
59	3024	300457	336840
60	3024	300638	335832
61	3024	300263	336966
62	2982	299672	337260
63	3024	303543	340158
64	3024	299905	377412
Totals	192,234	19,136,354	22,714,776

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Windward Federal 12H

	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	Total Shots	Distance Between Perfs	Shots
	From Bottom to Top	18,960	6	18,791	37	6	18,655	20	6	18,499	44	6	18,349	24	6	18,985	18,788	18,985
		18,641	6	18,775	16	6	18,639	21	6	18,487	19	6	18,333	16	6	18,985	18,788	18,985
		18,023	6	18,759	13	6	18,599	17	5	18,466	18	6	18,294	23	6	18,985	18,788	18,985
		18,884	5	18,733	19	5	18,582	19	5	18,431	19	5	18,279	18	5	18,985	18,788	18,985
		18,665	5	18,714	19	5	18,563	20	5	18,412	19	5	18,261	19	5	18,985	18,788	18,985
		18,847	5	18,695	20	5	18,543	20	5	18,393	20	5	18,242	19	5	18,985	18,788	18,985
		18,928	5	18,676	20	5	18,543	20	5	18,393	20	5	18,242	19	5	18,985	18,788	18,985
	Plug to Plug	187	44	134	134	44	134	134	44	134	134	44	134	134	44	187	187	187
	Frac Plug	16,985	Total Shots	18,788	Total Shots	18,684	Total Shots	18,684	Total Shots	18,684	Total Shots	18,684	Total Shots	18,684	Total Shots	18,684	18,684	18,684

	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	Total Shots	Distance Between Perfs	Shots
	From Bottom to Top	18,166	6	18,053	19	6	17,991	29	6	17,750	19	6	17,593	25	6	18,166	18,053	18,166
		18,185	21	18,033	18	6	17,882	20	6	17,731	19	6	17,580	19	6	18,185	18,033	18,185
		18,164	6	18,015	24	6	17,862	17	6	17,712	22	6	17,561	19	6	18,164	18,015	18,164
		18,147	6	17,991	14	6	17,845	17	6	17,696	15	6	17,542	20	6	18,147	17,991	18,147
		18,131	22	17,971	19	5	17,828	21	5	17,675	15	5	17,522	18	5	18,131	17,971	18,131
		18,109	5	17,958	19	5	17,807	19	5	17,660	23	5	17,504	14	5	18,109	17,958	18,109
		18,090	18	17,939	19	5	17,889	19	5	17,738	19	5	17,490	23	5	18,090	17,939	18,090
		18,972	5	17,920	19	5	17,769	19	5	17,618	19	5	17,467	23	5	18,972	17,920	18,972
	Plug to Plug	141	44	163	163	44	163	163	44	163	163	44	163	163	44	141	141	141
	Frac Plug	17,467	Total Shots	18,082	Total Shots	17,899	Total Shots	17,899	Total Shots	17,899	Total Shots	17,899	Total Shots	17,899	Total Shots	17,899	17,899	17,899

	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	Total Shots	Distance Between Perfs	Shots
	From Bottom to Top	17,448	6	17,290	20	6	17,141	23	6	16,994	19	6	16,843	27	6	17,448	17,290	17,448
		17,429	6	17,278	19	6	17,126	17	6	16,970	14	6	16,824	14	6	17,429	17,278	17,429
		17,410	6	17,258	19	6	17,109	20	6	16,956	17	6	16,810	24	6	17,410	17,258	17,410
		17,391	19	17,240	19	6	17,089	19	6	16,939	21	6	16,789	19	6	17,391	17,240	17,391
		17,372	20	17,221	19	5	17,070	19	5	16,918	19	5	16,767	19	5	17,372	17,221	17,372
		17,352	18	17,202	19	5	17,051	19	5	16,899	11	5	16,748	19	5	17,352	17,202	17,352
		17,334	24	17,183	19	5	17,032	19	5	16,881	11	5	16,729	19	5	17,334	17,183	17,334
		17,310	5	17,164	19	5	17,013	19	5	16,870	19	5	16,710	19	5	17,310	17,164	17,310
	Plug to Plug	160	44	141	141	44	141	141	44	141	141	44	141	141	44	160	160	160
	Frac Plug	17,467	Total Shots	18,287	Total Shots	17,987	Total Shots	17,987	Total Shots	17,987	Total Shots	17,987	Total Shots	17,987	Total Shots	18,287	18,287	18,287

	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	Total Shots	Distance Between Perfs	Shots
	From Bottom to Top	16,692	6	16,535	24	6	16,389	19	6	16,231	26	6	16,087	18	6	16,692	16,535	16,692
		16,671	17	16,521	19	6	16,370	19	6	16,219	20	6	16,068	19	6	16,671	16,521	16,671
		16,654	15	16,502	18	6	16,351	22	6	16,199	18	6	16,049	15	6	16,654	16,502	16,654
		16,639	23	16,484	15	6	16,329	16	6	16,181	16	6	16,034	23	6	16,639	16,484	16,639
		16,616	5	16,469	23	5	16,313	18	5	16,165	22	5	16,011	19	5	16,616	16,469	16,616
		16,597	19	16,446	19	5	16,295	19	5	16,143	19	5	15,992	19	5	16,597	16,446	16,597
		16,578	19	16,427	19	5	16,276	19	5	16,124	19	5	15,973	10	5	16,578	16,427	16,578
		16,559	5	16,408	19	5	16,257	19	5	16,105	19	5	15,953	10	5	16,559	16,408	16,559
	Plug to Plug	157	44	148	148	44	148	148	44	148	148	44	148	148	44	157	157	157
	Frac Plug	16,698	Total Shots	16,542	Total Shots	16,396	Total Shots	16,396	Total Shots	16,396	Total Shots	16,396	Total Shots	16,396	Total Shots	16,698	16,698	16,698

	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	Total Shots	Distance Between Perfs	Shots
	From Bottom to Top	15,935	6	15,784	19	6	15,633	27	6	15,482	19	6	15,330	29	6	15,935	15,784	15,935
		15,916	22	15,765	19	6	15,614	23	6	15,463	19	6	15,312	23	6	15,916	15,765	15,916
		15,894	15	15,746	15	6	15,591	15	6	15,444	24	6	15,289	15	6	15,894	15,746	15,894
		15,879	17	15,731	22	6	15,576	17	6	15,420	14	6	15,274	18	6	15,879	15,731	15,879
		15,862	21	15,709	15	5	15,559	21	5	15,406	19	5	15,260	20	5	15,862	15,709	15,862
		15,841	5	15,690	19	5	15,539	19	5	15,387	19	5	15,236	19	5	15,841	15,690	15,841
		15,822	19	15,671	11	5	15,519	18	5	15,368	9	5	15,217	19	5	15,822	15,671	15,822
		15,803	5	15,660	19	5	15,501	19	5	15,358	9	5	15,198	19	5	15,803	15,660	15,803
	Plug to Plug	162	44	142	142	44	142	142	44	142	142	44	142	142	44	162	162	162
	Frac Plug	15,933	Total Shots	15,791	Total Shots	15,648	Total Shots	15,648	Total Shots	15,648	Total Shots	15,648	Total Shots	15,648	Total Shots	15,933	15,933	15,933

	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	Total Shots	Distance Between Perfs	Shots
	From Bottom to Top	15,171	6	15,021	26	6	14,876	17	6	14,720	24	6	14,574	19	6	15,171	15,021	15,171
		15,160	19	15,009	20	6	14,858	19	6	14,707	19	6	14,554	18	6	15,160	15,009	15,160
		15,141	22	14,989	18	6	14,839	21	6	14,688	19	6	14,536	18	6	15,141	14,989	15,141
		15,119	15	14,971	16	6	14,818	17	6	14,669	20	6	14,518	19	6	15,119	14,971	15,119
		15,104	18	14,955	22	5	14,801	16	5	14,649	18	5	14,499	14	5	15,104	14,955	15,104
		15,086	20	14,933	18	5	14,785	22	5	14,631	17	5	14,485	24	5	15,086	14,933	15,086
		15,066	19	14,916	22	5	14,763	19	5	14,614	21	5	14,461	19	5	15,066	14,916	15,066
		15,047	5	14,893	22	5	14,744	19	5	14,593	21	5	14,442	19	5	15,047	14,893	15,047
	Plug to Plug	161	44	145	145	44	145	145	44	145	145	44	145	145	44	161	161	161
	Frac Plug	15,189	Total Shots	15,028	Total Shots	14,883	Total Shots	14,883	Total Shots	14,883	Total Shots	14,883	Total Shots	14,883	Total Shots	15,189	15,189	15,189

	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	Total Shots	Distance Between Perfs	Shots
	From Bottom to Top	14,419	6	14,260	31	6	14,121	22										

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
12,911	19	6	12,750	19	6	12,601	26	6	12,457	19	6	12,303	22	6
12,892	19	6	12,729	17	6	12,586	16	6	12,438	19	6	12,287	19	6
12,873	19	6	12,722	15	6	12,570	18	6	12,419	19	6	12,268	19	6
12,854	19	6	12,707	23	6	12,552	22	6	12,400	19	6	12,249	21	6
12,835	19	5	12,684	18	5	12,530	16	5	12,381	13	5	12,228	17	5
12,816	19	5	12,666	20	5	12,514	18	5	12,368	24	5	12,211	15	5
12,797	19	5	12,648	19	5	12,498	22	5	12,344	19	5	12,196	23	5
12,778	19	5	12,627	19	5	12,476	22	5	12,325	19	5	12,173	23	5
Plug to Plug	152	44	Plug to Plug	158	44	Plug to Plug	144	44	Plug to Plug	154	44	Plug to Plug	148	44
Frac Plug	12,918	Total Shots	Frac Plug	12,766	Total Shots	Frac Plug	12,808	Total Shots	Frac Plug	12,464	Total Shots	Plug to Plug	12,310	Total Shots

Stage 46	Distance Between Perfs	Shots	Stage 47	Distance Between Perfs	Shots	Stage 48	Distance Between Perfs	Shots	Stage 49	Distance Between Perfs	Shots	Stage 50	Distance Between Perfs	Shots
12,155	18	6	12,003	24	6	11,841	30	6	11,701	17	6	11,539	30	6
12,136	19	6	11,984	18	6	11,825	18	6	11,680	19	6	11,525	13	6
12,117	19	6	11,960	19	6	11,809	14	6	11,650	16	6	11,512	19	6
12,098	19	6	11,947	19	6	11,795	18	6	11,647	22	6	11,493	14	6
12,079	20	5	11,928	19	5	11,777	19	5	11,625	19	5	11,479	24	5
12,059	18	5	11,909	19	5	11,758	19	5	11,606	19	5	11,455	18	5
12,041	14	5	11,890	19	5	11,739	19	5	11,589	18	5	11,437	20	5
12,027	14	5	11,871	19	5	11,720	19	5	11,569	18	5	11,417	20	5
Plug to Plug	152	44	Plug to Plug	162	44	Plug to Plug	140	44	Plug to Plug	152	44	Plug to Plug	141	44
Frac Plug	12,162	Total Shots	Frac Plug	12,010	Total Shots	Frac Plug	11,948	Total Shots	Frac Plug	11,708	Total Shots	Plug to Plug	11,546	Total Shots

Stage 51	Distance Between Perfs	Shots	Stage 52	Distance Between Perfs	Shots	Stage 53	Distance Between Perfs	Shots	Stage 54	Distance Between Perfs	Shots	Stage 55	Distance Between Perfs	Shots
11,398	19	6	11,247	25	6	11,099	19	6	10,945	26	6	10,788	26	6
11,379	18	6	11,228	19	6	11,077	19	6	10,926	19	6	10,775	19	6
11,361	19	6	11,209	19	6	11,058	19	6	10,907	19	6	10,756	19	6
11,342	19	6	11,190	18	6	11,039	19	6	10,888	19	6	10,737	19	6
11,323	19	5	11,172	19	5	11,020	19	5	10,869	19	5	10,718	19	5
11,304	19	5	11,153	21	5	11,001	18	5	10,850	20	5	10,699	19	5
11,285	13	5	11,132	14	5	10,983	12	5	10,830	16	5	10,680	12	5
11,272	13	5	11,119	14	5	10,971	12	5	10,814	16	5	10,668	12	5
Plug to Plug	151	44	Plug to Plug	148	44	Plug to Plug	154	44	Plug to Plug	149	44	Plug to Plug	152	44
Frac Plug	11,405	Total Shots	Frac Plug	11,254	Total Shots	Frac Plug	11,108	Total Shots	Frac Plug	10,952	Total Shots	Plug to Plug	10,803	Total Shots

Stage 56	Distance Between Perfs	Shots	Stage 57	Distance Between Perfs	Shots	Stage 58	Distance Between Perfs	Shots	Stage 59	Distance Between Perfs	Shots	Stage 60	Distance Between Perfs	Shots
10,644	24	6	10,491	19	6	10,340	25	6	10,193	18	6	10,037	26	6
10,623	19	6	10,472	19	6	10,322	20	6	10,170	19	6	10,022	22	6
10,604	18	6	10,453	19	6	10,302	19	6	10,151	19	6	10,000	19	6
10,586	19	6	10,434	19	6	10,283	19	6	10,132	19	6	9,981	19	6
10,567	19	5	10,415	19	5	10,264	18	5	10,113	19	5	9,962	19	5
10,548	23	5	10,396	18	5	10,245	19	5	10,094	19	5	9,943	19	5
10,528	19	5	10,378	13	5	10,226	15	5	10,075	12	5	9,924	19	5
10,510	19	5	10,365	13	5	10,211	15	5	10,063	12	5	9,905	19	5
Plug to Plug	153	44	Plug to Plug	151	44	Plug to Plug	147	44	Plug to Plug	158	44	Plug to Plug	165	44
Frac Plug	10,651	Total Shots	Frac Plug	10,498	Total Shots	Frac Plug	10,347	Total Shots	Frac Plug	10,200	Total Shots	Plug to Plug	10,044	Total Shots

Stage 61	Distance Between Perfs	Shots	Stage 62	Distance Between Perfs	Shots	Stage 63	Distance Between Perfs	Shots	Stage 64	Distance Between Perfs	Shots	Stage 65	Distance Between Perfs	Shots
9,872	33	6	9,735	19	6	9,577	28	6	9,432	19	6			
9,856	15	6	9,715	18	6	9,561	15	6	9,413	18	6			
9,841	16	6	9,697	24	6	9,546	19	6	9,395	21	6			
9,825	15	6	9,679	14	6	9,527	14	6	9,374	17	6			
9,810	18	5	9,659	18	5	9,513	24	5	9,357	19	5			
9,792	19	5	9,641	20	5	9,498	19	5	9,338	19	5			
9,773	19	5	9,621	18	5	9,479	19	5	9,319	18	5			
9,754	19	5	9,603	18	5	9,459	19	5	9,301	18	5			
Plug to Plug	137	44	Plug to Plug	158	44	Plug to Plug	145	44	Plug to Plug	65	44	Plug to Plug	0	0
Frac Plug	9,879	Total Shots	Frac Plug	9,742	Total Shots	Frac Plug	9,584	Total Shots	Frac Plug	9,439	Total Shots	Plug to Plug	0	Total Shots

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.

HBBS OF
 AUG 25 2017
 RECEIVED

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. WINDWARD FEDERAL 12H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 30 T24S R32E Mer NMP NENE 210FNL 531FEL	9. API Well No. 30-025-43708
10. Field and Pool or Exploratory Area WILDCAT; 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 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.

5/27/17 to 6/22/17 Load & test csg to 1500# for 30 mins. Good test. Ran CBL. TOC @ 2860'. Set CBP @ 18985'. Test to 8486#. Perf 9301-18960' (2816). Acdz w/192,234 gal 7 1/2%; Frac w/19,136,354# sand & 22,714,776 gal fluid.

7/12/17 to 7/14/17 Drilled out CFP's. Clean down to CBP @ 18985'.
7/16/17 Set 2 7/8" 6.5# L-80 tbg @ 8663' & pkr @ 8654'. Installed gas-lift system.

8/5/17 Began flowing back & testing.
8/7/17 Date of first production.

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #385769 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 08/23/2017

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 ****