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
OCT 02 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

[1] Operator Name and Address	[2] OGRID Number
COG Production LLC 2208 W. Main Street Artesia, NM 88210	217955
	[3] Reason for Filing Code/ Effective Date NW

[4] API Number	[5] Pool Name	[6] Pool Code
30 – 025-43517	WC-025 G-06 S253206M; Bone Spring	97899

[7] Property Code	[8] Property Name	[9] Well Number
40143	Windward Federal	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
C	30	24S	32E		210	North	1900	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
N	31	24S	32E		238	South	2308	West	Lea

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
F	F	8/28/17			

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	[22] Ready Date	[23] TD	[24] PBTD	[25] Perforations	[26] DHC, MC
2/1/17	8/24/17	19142'	19045'	9307-19020'	

[27] Hole Size	[28] Casing & Tubing Size	[29] Depth Set	[30] Sacks Cement
17 1/2"	13 3/8"	814'	710
12 1/4"	9 5/8"	4540'	1520
8 3/4"	5 1/2"	19115'	3700
	2 7/8"	8801'	

V. Well Test Data

[31] Date New Oil	[32] Gas Delivery Date	[33] Test Date	[34] Test Length	[35] Tbg. Pressure	[36] Csg. Pressure
8/25/17	8/28/17	8/28/17	24 Hrs	700#	300#
[37] Choke Size	**[38] Oil**	**[39] Water**	**[40] Gas**		**[41] Test Method**
	534	2881	768		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: Stormi Davis

Printed name: Stormi Davis

Title: Regulatory Analyst

E-mail Address: sdavis@concho.com

Date: 9/28/17

Phone: 575-748-6946

OIL CONSERVATION DIVISION

Approved by:

Title: Petroleum Engineer

Approval Date: 10/06/17

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OCD
OCT 02 2017
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FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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.: WINDWARD FEDERAL 8H

3. Address: 2208 WEST MAIN, ARTESIA, NM 88210

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

9. API Well No.: 30-025-43517

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface: Sec 30 T24S R32E Mer NMP NENW 210FNL 1900FWL
At top prod interval reported below: Sec 31 T24S R32E Mer NMP
At total depth: SESW 238FSL 2308FWL

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

14. Date Spudded: 02/01/2017

15. Date T.D. Reached: 02/21/2017

16. Date Completed: ☐ D & A ☒ Ready to Prod. 08/24/2017

17. Elevations (DF, KB, RT, GL)*: 3543 GL

18. Total Depth: MD 19142 TVD 9133

19. Plug Back T.D.: MD 19045 TVD 9134

20. Depth Bridge Plug Set: MD 19045 TVD 9134

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	814		710		0	
12.250	9.625 J55	40.0	0	4540		1520		0	
8.750	5.500 P110	17.0	0	19115		3700		0	

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	8801	8750						

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	BONE SPRING	9307	19020	9307 TO 19020	0.430	2816	OPEN
B)							
C)							
D)							

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

Depth Interval	Amount and Type of Material
9307 TO 19020	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
08/25/2017	08/28/2017	24	→	534.0	768.0	2881.0			FLOWS FROM WELL

Choke Size	Tbg. Press. Flwg. SI 700	Csg. Press. 300.0	24 Hr. Rate →	Oil BBL 534	Gas MCF 768	Water BBL 2881	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 #390171 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	4546	4572		RUSTLER	823
BELL CANYON	4573	5531		TOS	1059
CHERRY CANYON	5532	6803		BOS	4324
BRUSHY CANYON	6804	8458		LAMAR	4546
BONE SPRING LM	8459	9165		BELL CANYON	4573
				CHERRY CANYON	5532
				BRUSHY CANYON	6804
				BONE SPRING LM	8459

32. Additional remarks (include plugging procedure):
Surveys, perfs & 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 #390171 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 09/28/2017

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 fradulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

WINDWARD FEDERAL #8H

Perfs	7 1/2% Acid (Gal)	15% Acid (Gal)	Sand (#)	Fluid (Gal)
1	0	1512	300850	390894
2	1500	1512	308210	396342
3	1500	1500	284830	479028
4	1512	1512	302190	417690
5	1500	1512	300280	507516
6	1512	1512	300500	524202
7	1512	1500	300330	397476
8	1512	1512	303340	382620
9	1512	1512	304723	698670
10	1500	1512	302030	563838
11	1512	1512	300370	386862
12	1512	1500	302990	468372
13	1512	1512	300720	384804
14	1512	1512	300050	554064
15	1512	1512	299630	454818
16	1500	1512	300180	389118
17	1500	1512	300210	396804
18	1500	1512	301120	379332
19	1512	1512	299570	408240
20	1512	1512	300030	383922
21	1500	1512	300010	378114
22	1500	1512	301360	387942
23	1512	1512	297500	378084
24	1512	1512	300940	384510
25	1500	1512	300140	381558
26	1512	1512	300170	442386
27	1512	1512	302360	369306
28	1512	1512	300010	360738
29	1500	1512	301840	377148
30	1512	1512	300100	368046
31	1512	1512	301880	383208
32	1512	1512	297510	443604
33	1512	630	273550	357840
34	1512	1512	297720	482874
35	1500	1512	294620	388740
36	1500	1512	300950	428010
37	1512	1512	300820	546882
38	1512	1512	299270	400764
39	1512	1512	289280	385434
40	1512	1512	301180	382200
41	1512	1512	303440	366912
42	1512	1512	295730	372792
43	1500	1512	300260	417300
44	1512	1512	297770	374220
45	1512	1500	300190	367404
46	1512	1512	300550	365652
47	1512	1512	300220	365778
48	1512	1512	300380	358764
49	1512	1512	300280	411432
50	1512	1500	299830	396048
51	1500	1512	300000	364338
52	1512	1512	301190	363090
53	1512	1512	307680	361494
54	1500	1512	300030	380676
55	1512	1512	300270	371322
56	1512	1512	283210	334866
57	1500	1512	284180	348462
58	1512	1512	301710	352002
59	1512	1512	291790	350112
60	1512	1500	300170	348000
61	1512	1512	299840	380814
62	1512	1512	300070	348138
63	1500	1512	292790	354888
64	1500	1512	319460	366186
Totals	**95,025**	**95,813**	**19,154,403**	**25,812,686**

Windward Federal 8H

	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
	19,020	38	14	18,867	39	6	18,681	54	6	18,562	29	6	18,402	29	6
	18,982	38	12	18,849	19	6	18,668	13	6	18,545	19	6	18,390	16	6
From Bottom	18,944	38	10	18,830	19	6	18,655	13	6	18,526	19	6	18,374	19	6
to Top	18,906		8	18,811	19	6	18,642	13	6	18,507	19	6	18,355	19	6
				18,792	19	5	18,629		5	18,488	14	5	18,336	19	5
				18,773	19	5	18,616	13	5	18,474	24	5	18,317	13	5
				18,754	19	5	18,603	12	5	18,450	19	5	18,304	19	5
				18,735		5	18,591		5	18,431		5	18,285		5
	Plug to Plug	139	44	Plug to Plug	64	44	Plug to Plug	47	44	Plug to Plug	63	44	Plug to Plug	55	44
	Frac Plug	19,045	Total Shots	Frac Plug	18,875	Total Shots	Frac Plug	18,689	Total Shots	Frac Plug	18,570	Total Shots	Frac Plug	18,410	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
	18,253	32	6	18,099	28	6	17,947	28	6	17,785	38	6	17,640	32	6
	18,240	18	6	18,080	15	6	17,937	24	6	17,772	18	6	17,630	17	6
From Bottom	18,222	19	6	18,065	11	6	17,913	14	6	17,754	14	6	17,613	19	6
to Top	18,203	19	6	18,054	22	6	17,899	16	6	17,740	14	6	17,594	19	6
	18,184	19	5	18,032	19	5	17,883	22	5	17,726	17	5	17,575	19	5
	18,165	19	5	18,013	19	5	17,861	20	5	17,709	19	5	17,556	21	5
	18,146	19	5	17,994	19	5	17,841	18	5	17,690	18	5	17,535	17	5
	18,127		5	17,975		5	17,823		5	17,672		5	17,518		5
	Plug to Plug	65	44	Plug to Plug	26	44	Plug to Plug	56	44	Plug to Plug	58	44	Plug to Plug	54	44
	Frac Plug	18,268	Total Shots	Frac Plug	18,080	Total Shots	Frac Plug	17,955	Total Shots	Frac Plug	17,798	Total Shots	Frac Plug	17,648	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
	17,485	33	6	17,330	36	6	17,181	33	6	17,032	30	6	16,878	31	6
	17,473	15	6	17,317	13	6	17,169	12	6	17,020	15	6	16,865	15	6
From Bottom	17,458	16	6	17,304	18	6	17,157	19	6	17,005	19	6	16,850	16	6
to Top	17,442	15	6	17,286	15	6	17,138	24	6	16,986	19	6	16,834	19	6
	17,427	23	5	17,271	16	5	17,114	14	5	16,967	19	5	16,815	19	5
	17,404	19	5	17,255	32	5	17,100	24	5	16,948	19	5	16,796	19	5
	17,385	19	5	17,223	9	5	17,076	14	5	16,929	20	5	16,777	19	5
	17,366		5	17,214		5	17,062		5	16,909		5	16,758		5
	Plug to Plug	51	44	Plug to Plug	60	44	Plug to Plug	51	44	Plug to Plug	62	44	Plug to Plug	52	44
	Frac Plug	17,493	Total Shots	Frac Plug	17,346	Total Shots	Frac Plug	17,189	Total Shots	Frac Plug	17,048	Total Shots	Frac Plug	16,886	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
	16,722	36	6	16,574	32	6	16,422	32	6	16,262	40	6	16,117	33	6
	16,708	15	6	16,560	14	6	16,410	18	6	16,250	14	6	16,103	14	6
From Bottom	16,693	15	6	16,546	12	6	16,392	14	6	16,236	18	6	16,089	15	6
to Top	16,678	15	6	16,534	23	6	16,378	18	6	16,218	18	6	16,074	18	6
	16,663	19	5	16,511	19	5	16,360	20	5	16,200	14	5	16,056	20	5
	16,644	19	5	16,492	19	5	16,340	19	5	16,186	17	5	16,036	19	5
	16,625	19	5	16,473	19	5	16,321	19	5	16,169	19	5	16,017	19	5
	16,606		5	16,454		5	16,302		5	16,150		5	15,998		5
	Plug to Plug	52	44	Plug to Plug	48	44	Plug to Plug	52	44	Plug to Plug	62	44	Plug to Plug	51	44
	Frac Plug	16,730	Total Shots	Frac Plug	16,582	Total Shots	Frac Plug	16,430	Total Shots	Frac Plug	16,280	Total Shots	Frac Plug	16,125	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
	15,970	28	6	15,813	33	6	15,663	31	6	15,513	33	6	15,362	28	6
	15,958	17	6	15,800	12	6	15,650	15	6	15,498	14	6	15,348	18	6
From Bottom	15,941	23	6	15,788	18	6	15,635	17	6	15,484	17	6	15,330	16	6
to Top	15,918	15	6	15,770	13	6	15,618	19	6	15,467	20	6	15,314	14	6
	15,903	16	5	15,757	25	5	15,599	19	5	15,447	19	5	15,300	25	5
	15,887	22	5	15,732	15	5	15,580	19	5	15,428	19	5	15,275	17	5
	15,865	19	5	15,717	23	5	15,561	15	5	15,409	19	5	15,258	18	5
	15,846		5	15,694		5	15,546		5	15,390		5	15,240		5
	Plug to Plug	60	44	Plug to Plug	51	44	Plug to Plug	61	44	Plug to Plug	54	44	Plug to Plug	56	44
	Frac Plug	15,978	Total Shots	Frac Plug	15,821	Total Shots	Frac Plug	15,679	Total Shots	Frac Plug	15,521	Total Shots	Frac Plug	15,370	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
	15,202	38	6	15,060	44	6	14,907	26	6	14,756	19	6	14,584	45	6
	15,190	15	6	15,047	19	6	14,895	19	6	14,740	16	6	14,570	17	6
From Bottom	15,175	15	6	15,028	19	6	14,876	21	6	14,724	19	6	14,553	13	6
to Top	15,160	18	6	15,009	23	6	14,855	17	6	14,705	25	6	14,540	15	6
	15,142	15	5	14,986	15	5	14,838	26	5	14,680	16	5	14,525	15	5
	15,127	23	5	14,971	18	5	14,812	12	5	14,664	15	5	14,510	14	5
	15,104		5	14,953	20	5	14,800	25	5	14,649	20	5	14,496	18	5
				14,933		5	14,775		5	14,629		5	14,478		5
	Plug to Plug	60	39	Plug to Plug	59	44	Plug to Plug	60	44	Plug to Plug	59	44	Plug to Plug	52	44
	Frac Plug	15,220	Total Shots	Frac Plug	15,068	Total Shots	Frac Plug	14,915	Total Shots	Frac Plug	14,764	Total Shots	Frac Plug	14,592	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
	14,452	26	6	14,287	43	6	14,147	33	6	13,992	29	6	13,833	36	6
	14,439	19	6	14,270	15	6	14,130	14	6	13,978	16	6	13,820	17	6
From Bottom	14,420	19	6	14,255	15	6	14,116	14	6	13,962	17	6	13,803	14	6
to Top	14,401	19	6	14,240	15	6	14,102	24	6	13,945	15	6	13,789	15	6
	14,382	19	5	14,225	14	5	14,078	17	5	13,930	23	5	13,774	14	5
	14,363	23	5	14,211	13	5	14,061	21	5	13,907	19	5	13,760	24	5
	14,340	10	5	14,198	18	5	14,040	19	5	13,888	19	5	13,736	19	5
	14,330		5	14,180		5	14,021		5	13,869		5	13,717		5
	Plug to Plug	59	44	Plug to Plug	55	44	Plug to Plug	53	44	Plug to Plug	55	44	Plug to Plug	60	44
	Frac Plug	14,460	Total Shots	Frac Plug	14,295	Total Shots	Frac Plug	14,155	Total Shots	Frac Plug	14,000	Total Shots	Frac Plug	13,849	Total Shots

Windward Federal 8H

	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
	13,662	55	6	13,520	45	6	13,392	25	6	13,234	36	6	13,081	33	6
	13,650	12	6	13,508	18	6	13,380	24	6	13,220	16	6	13,071	19	6
From Bottom	13,638	18	6	13,490	12	6	13,356	19	6	13,204	19	6	13,052	19	6
to Top	13,620	6	6	13,478	13	6	13,337	19	6	13,185	19	6	13,033	19	6
	13,614	11	5	13,465	16	5	13,318	19	5	13,166	19	5	13,014	19	5
	13,603	16	5	13,449	17	5	13,299	12	5	13,147	19	5	12,995	20	5
	13,587	22	5	13,432	15	5	13,287	17	5	13,128	14	5	12,975	18	5
	13,565		5	13,417		5	13,270		5	13,114		5	12,957		5
	Plug to Plug	59	44	Plug to Plug	50	44	Plug to Plug	63	44	Plug to Plug	57	44	Plug to Plug	56	44
	Frac Plug	13,679	Total Shots	Frac Plug	13,528	Total Shots	Frac Plug	13,400	Total Shots	Frac Plug	13,242	Total Shots	Frac Plug	13,089	Total Shots

	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
	12,930	27	6	12,782	28	6	12,616	36	6	12,474	33	6	12,312	36	6
	12,918	19	6	12,760	13	6	12,602	17	6	12,456	13	6	12,296	16	6
From Bottom	12,899	19	6	12,747	19	6	12,585	12	6	12,443	19	6	12,280	15	6
to Top	12,880	19	6	12,728	19	6	12,573	16	6	12,424	19	6	12,265	13	6
	12,861	19	5	12,709	19	5	12,557	19	5	12,405	19	5	12,252	18	5
	12,842	19	5	12,690	20	5	12,538	19	5	12,386	19	5	12,234	19	5
	12,823	13	5	12,670	18	5	12,519	12	5	12,367	19	5	12,215	20	5
	12,810		5	12,652		5	12,507		5	12,348		5	12,195		5
	Plug to Plug	66	44	Plug to Plug	62	44	Plug to Plug	51	44	Plug to Plug	58	44	Plug to Plug	55	44
	Frac Plug	12,946	Total Shots	Frac Plug	12,790	Total Shots	Frac Plug	12,624	Total Shots	Frac Plug	12,482	Total Shots	Frac Plug	12,320	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
	12,164	31	6	12,011	33	6	11,872	20	6	11,714	36	6	11,568	30	6
	12,150	14	6	11,998	14	6	11,854	19	6	11,702	19	6	11,550	19	6
From Bottom	12,136	16	6	11,984	16	6	11,835	21	6	11,683	19	6	11,531	19	6
to Top	12,120	19	6	11,968	23	6	11,814	14	6	11,664	24	6	11,512	19	6
	12,101	19	5	11,945	15	5	11,800	15	5	11,640	10	5	11,493	16	5
	12,082	19	5	11,930	18	5	11,785	20	5	11,630	23	5	11,477	22	5
	12,063	19	5	11,912	20	5	11,765	15	5	11,607	9	5	11,455	17	5
	12,044		5	11,892		5	11,750		5	11,598		5	11,438		5
	Plug to Plug	52	44	Plug to Plug	51	44	Plug to Plug	66	44	Plug to Plug	58	44	Plug to Plug	64	44
	Frac Plug	12,172	Total Shots	Frac Plug	12,019	Total Shots	Frac Plug	11,880	Total Shots	Frac Plug	11,722	Total Shots	Frac Plug	11,576	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
	11,410	28	6	11,265	25	6	11,112	25	6	10,942	38	6	10,799	29	6
	11,396	17	6	11,246	19	6	11,096	21	6	10,930	20	6	10,784	20	6
From Bottom	11,379	19	6	11,227	19	6	11,075	19	6	10,910	20	6	10,764	17	6
to Top	11,360	19	6	11,208	19	6	11,056	16	6	10,890	20	6	10,747	14	6
	11,341	19	5	11,189	21	5	11,040	22	5	10,870	10	5	10,733	18	5
	11,322	12	5	11,168	17	5	11,018	19	5	10,860	13	5	10,715	20	5
	11,310	20	5	11,151	14	5	10,999	19	5	10,847	19	5	10,695	19	5
	11,290		5	11,137		5	10,980		5	10,828		5	10,676		5
	Plug to Plug	58	44	Plug to Plug	66	44	Plug to Plug	64	44	Plug to Plug	60	44	Plug to Plug	60	44
	Frac Plug	11,418	Total Shots	Frac Plug	11,274	Total Shots	Frac Plug	11,120	Total Shots	Frac Plug	10,950	Total Shots	Frac Plug	10,807	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
	10,645	31	6	10,482	41	6	10,344	22	6	10,186	33	6	10,040	27	6
	10,632	16	6	10,466	14	6	10,325	11	6	10,172	16	6	10,026	16	6
From Bottom	10,616	16	6	10,452	15	6	10,314	19	6	10,156	16	6	10,010	20	6
to Top	10,600	21	6	10,437	15	6	10,295	19	6	10,140	16	6	9,990	18	6
	10,579	17	5	10,422	14	5	10,276	19	5	10,124	19	5	9,972	24	5
	10,562	26	5	10,408	18	5	10,257	19	5	10,105	19	5	9,948	14	5
	10,536	13	5	10,390	24	5	10,238	19	5	10,086	19	5	9,934	16	5
	10,523		5	10,366		5	10,219		5	10,067		5	9,918		5
	Plug to Plug	53	44	Plug to Plug	53	44	Plug to Plug	57	44	Plug to Plug	54	44	Plug to Plug	58	44
	Frac Plug	10,653	Total Shots	Frac Plug	10,490	Total Shots	Frac Plug	10,352	Total Shots	Frac Plug	10,194	Total Shots	Frac Plug	10,048	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
	9,886	32	6	9,727	36	6	9,582	28	6	9,424	35			9307	
	9,877	19	6	9,714	18	6	9,568	14	6	9,412	10				
From Bottom	9,858	19	6	9,696	14	6	9,554	19	6	9,402	19				
to Top	9,839	19	6	9,682	14	6	9,535	19	6	9,383	25				
	9,820	19	5	9,668	19	5	9,516	19	5	9,358	13				
	9,801	19	5	9,649	19	5	9,497	19	5	9,345	17				
	9,782	19	5	9,630	20	5	9,478	19	5	9,328	21				
	9,763		5	9,610		5	9,459		5	9,307					
	Plug to Plug	55	44	Plug to Plug	53	44	Plug to Plug	55	44	Plug to Plug	49	0	Plug to Plug	0	0
	Frac Plug	9,894	Total Shots	Frac Plug	9,735	Total Shots	Frac Plug	9,590	Total Shots	Frac Plug	9,432	Total Shots	Frac Plug		Total Shots

McVAY DRILLING COMPANY
P.O. Box 2450
Hobbs, New Mexico 88241
(575) 397-3311
FAX: 39-DRILL

Well Name and Num: Windward Federal # 8 H
Location: Sec 30, T24S, R32E
Operator: COG
Drilling Contractor: McVay Drilling Company

The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

Degrees @	Depth	Degrees @	Depth	Degrees @	Depth	Degrees @	Depth
0.20	327	1.20	7247	88.50	13349		
0.50	664	1.40	7625	89.70	13821		
0.80	1038	1.10	8002	91.60	14198		
0.40	1405	1.40	8380	88.80	14389		
0.50	1782	1.60	8553	88.30	14861		
0.50	2537	16.00	8763	90.80	15238		
1.70	2915	49.80	9070	89.60	15709		
0.00	3481	77.80	9355	91.00	15895		
1.10	3858	89.80	9767	89.90	16370		
1.10	4236	89.00	10244	89.50	16842		
1.20	4483	89.70	10626	88.00	17314		
0.60	4983	93.10	11099	86.50	17692		
0.70	5361	91.70	11570	86.00	17892		
0.60	5738	92.10	11947	88.90	18175		
0.80	6115	92.20	12325	89.90	18270		
0.40	6492	93.10	12796	90.50	18647		
0.40	6870	90.50	13079	91.30	19062		

By: Marie A. Cannon

Subscribed and sworn to before me this 2nd day of March, 2017

Tina Flemens
Notary Public, Lea County, New Mexico

OFFICIAL SEAL
TINA FLEMENS
Notary Public
State of New Mexico
My Comm. Expires 9-16-17

Form 3160-5
(June 2015)

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.

SUBMIT IN TRIPLICATE - Other instructions on page 2

HOBBS OCD
OCT 02 2017
RECEIVED

5. Lease Serial No.
NMNM120908

6. If Indian, Allottee or Tribe Name

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

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
WINDWARD FEDERAL 8H

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

9. API Well No.
30-025-43517

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
WILDCAT; BONE SPRING

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 30 T24S R32E Mer NMP NENW 210FNL 1900FWL

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			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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.

4/25/17 to 4/28/17 Test csg to 8500# for 30 mins. Good test. Drill out FC, FS & new formation to 19142'.

5/4/17 to 7/24/17 Ran CBL. TOC @ surface. Set CBP @ 19045'. Test to 8434#. Perf 9307-19020' (2816). Acdz w/95,025 gal 7 1/2% and 95,813 gal 15%; Frac w/19,154,403# sand & 25,812,686 gal fluid.

8/8/17 to 8/10/17 Drilled out CFP's. Clean down to CBP @ 19045'.

8/12/17 Set 2 7/8" 6.5# L-80 tbg @ 8801' & pkr @ 8750'. Installed gas-lift system.

8/24/17 Began flowing back & testing.

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #390156 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 09/28/2017

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 ****

Additional data for EC transaction #390156 that would not fit on the form

32. Additional remarks, continued

8/25/17 Date of first production.