

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well [X] Oil Well [] Gas Well [] Dry [] Other
b. Type of Completion [X] New Well [] Work Over [] Deepen [] Plug Back [] Diff. Resvr.
2. Name of Operator COG PRODUCTION LLC Contact: STORMI DAVIS
3. Address 2208 W MAIN STREET ARTESIA, NM 88210
4. Location of Well (Report location clearly and in accordance with Federal requirements)*
14. Date Spudded 05/07/2017
15. Date T.D. Reached 05/21/2017
16. Date Completed 08/07/2017
17. Elevations (DF, KB, RT, GL)* 3548 GL
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? [X] No [] Yes (Submit analysis)
Was DST run? [X] No [] Yes (Submit analysis)
Directional Survey? [] No [X] Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)
Table with columns: 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

24. Tubing Record
Table with columns: Size, Depth Set (MD), Packer Depth (MD), Size, Depth Set (MD), Packer Depth (MD), Size, Depth Set (MD), Packer Depth (MD)

25. Producing Intervals
26. Perforation Record
Table with columns: Formation, Top, Bottom, Perforated Interval, Size, No. Holes, Perf. Status

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.
Table with columns: Depth Interval, Amount and Type of Material

28. Production - Interval A
Table with columns: Date First Produced, Test Date, Hours Tested, Test Production, Oil BBL, Gas MCF, Water BBL, Oil Gravity Corr. API, Gas Gravity, Production Method

28a. Production - Interval B
Table with columns: Date First Produced, Test Date, Hours Tested, Test Production, Oil BBL, Gas MCF, Water BBL, Oil Gravity Corr. API, Gas Gravity, Production Method

ACCEPTED FOR RECORD (DATE SCD) DAVID R. GLASS OCT 26 2017

(See Instructions and spaces for additional data on reverse side) ELECTRONIC SUBMISSION #385784 VERIFIED BY THE BLM WELL INFORMATION SYSTEM ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** DAVID R. GLASS

RECLAMATION DUE: FEB 07 2018

Handwritten signature/initials

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 LS	4630	4650	OIL\GAS\WATER	RUSTLER	842
BELL CANYON	4651	5557		TOP OF SALT	1060
CHERRY CANYON	5558	6875		BASE OF SALT	4391
BRUSHY CANYON	6876	8498		LAMAR LS	4630
BONE SPRING	9301	18960		BELL CANYON	4651
				CHERRY CANYON	5558
				BRUSHY CANYON	6876
				BONE SPRING	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
Committed to AFMSS for processing by DUNCAN WHITLOCK on 09/13/2017 (17DW0079SE)

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.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

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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	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	Total Shots
	12,011	19	6	12,793	18	6	12,801	28	6	12,437	19	6	12,713	19	6	22
From	12,081	19	6	12,730	17	6	12,596	19	6	12,418	19	6	12,317	19	6	19
Bottom	12,813	19	6	12,792	15	6	12,570	19	6	12,418	19	6	12,348	19	6	19
to Top	12,154	19	6	12,707	23	6	12,452	22	6	12,405	13	6	12,228	21	6	21
	12,433	19	6	12,650	19	6	12,630	13	6	12,351	13	6	12,228	17	6	17
	12,818	19	6	12,668	20	6	12,514	20	6	12,311	24	6	12,111	16	6	16
	12,707	19	6	12,648	18	6	12,495	22	6	12,444	20	6	12,168	23	6	23
	12,778	19	6	12,827	18	6	12,479	18	6	12,313	18	6	12,173	18	6	18
Plug to Plug	182	44	44	182	44	44	182	44	44	182	44	44	182	44	44	44
Free Plug	13,918	13,716	13,516	13,316	13,116	12,916	12,716	12,516	12,316	12,116	11,916	11,716	11,516	11,316	11,116	10,916

	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	Total Shots
	12,155	18	6	12,803	24	6	11,841	20	6	11,201	19	6	11,529	19	6	6
From	12,136	18	6	11,884	18	6	11,823	19	6	11,853	17	6	11,529	13	6	6
Bottom	12,117	19	6	11,901	19	6	11,806	14	6	11,863	18	6	11,512	19	6	6
to Top	12,098	19	6	11,847	19	6	11,795	19	6	11,847	22	6	11,821	14	6	6
	12,079	20	6	11,829	19	6	11,777	19	6	11,829	19	6	11,479	24	6	6
	12,099	19	6	11,809	19	6	11,758	19	6	11,809	19	6	11,463	18	6	6
	12,041	14	6	11,890	19	6	11,720	19	6	11,877	18	6	11,437	20	6	6
	12,027	14	6	11,871	19	6	11,720	19	6	11,877	18	6	11,417	20	6	6
Plug to Plug	182	44	44	182	44	44	182	44	44	182	44	44	182	44	44	44
Free Plug	13,162	12,916	12,716	12,516	12,316	12,116	11,916	11,716	11,516	11,316	11,116	10,916	10,716	10,516	10,316	10,116

	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	Total Shots
	11,263	19	6	11,247	25	6	11,299	19	6	10,948	20	6	10,789	28	6	6
From	11,270	18	6	11,223	19	6	11,277	19	6	10,978	19	6	10,779	19	6	6
Bottom	11,281	19	6	11,251	19	6	11,258	19	6	10,977	19	6	10,779	19	6	6
to Top	11,242	19	6	11,190	18	6	11,058	19	6	10,888	19	6	10,797	19	6	6
	11,253	19	6	11,172	19	6	11,032	19	6	10,969	19	6	10,718	19	6	6
	11,204	19	6	11,153	21	6	11,001	18	6	10,839	20	6	10,699	19	6	6
	11,289	13	6	11,133	14	6	10,983	12	6	10,819	10	6	10,653	12	6	6
	11,272	13	6	11,113	14	6	10,871	12	6	10,814	10	6	10,689	12	6	6
Plug to Plug	161	48	48	161	48	48	161	48	48	161	48	48	161	48	48	48
Free Plug	11,466	11,264	11,064	10,864	10,664	10,464	10,264	10,064	9,864	9,664	9,464	9,264	9,064	8,864	8,664	8,464

	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	Total Shots
	10,644	24	6	10,491	18	6	10,240	23	6	10,183	18	6	10,037	20	6	6
From	10,623	19	6	10,472	19	6	10,317	20	6	10,170	19	6	10,023	22	6	6
Bottom	10,634	18	6	10,453	19	6	10,302	19	6	10,151	19	6	10,000	19	6	6
to Top	10,586	19	6	10,434	19	6	10,233	19	6	10,132	19	6	9,991	19	6	6
	10,587	19	6	10,415	19	6	10,264	19	6	10,113	19	6	9,982	19	6	6
	10,448	23	6	10,396	18	6	10,245	19	6	10,094	19	6	9,943	19	6	6
	10,623	15	6	10,378	13	6	10,226	15	6	10,075	12	6	9,924	19	6	6
	10,510	15	6	10,365	13	6	10,211	15	6	10,061	12	6	9,910	19	6	6
Plug to Plug	182	44	44	182	44	44	182	44	44	182	44	44	182	44	44	44
Free Plug	10,831	10,631	10,431	10,231	10,031	9,831	9,631	9,431	9,231	9,031	8,831	8,631	8,431	8,231	8,031	7,831

	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	Total Shots
	9,712	33	6	9,225	18	6	9,177	28	6	9,432	19	6				
From	9,659	19	6	9,219	18	6	9,401	15	6	9,413	18	6				
Bottom	9,711	19	6	9,097	24	6	9,459	19	6	9,399	21	6				
to Top	9,628	15	6	9,173	14	6	9,027	14	6	9,374	17	6				
	9,619	18	6	9,053	19	6	9,113	24	6	9,357	19	6				
	9,702	18	6	9,041	20	6	9,489	19	6	9,339	19	6				
	9,773	18	6	9,021	19	6	9,170	19	6	9,319	18	6				
	9,754	18	6	9,001	19	6	9,451	19	6	9,301	18	6				
Plug to Plug	137	44	44	137	44	44	137	44	44	137	44	44				
Free Plug	9,879	9,679	9,479	9,279	9,079	8,879	8,679	8,479	8,279	8,079	7,879	7,679	7,479	7,279	7,079	6,879