

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTNMOCD
ArtesiaFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM109748

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No.		
2. Name of Operator COG PRODUCTION LLC			Contact: STORMI DAVIS E-Mail: sdavis@concho.com		
3. Address 2208 W MAIN STREET 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 SESE 190FSL 350FEL At top prod interval reported below Sec 24 T25S R26E Mer NMP At total depth NENE 66FNL 307FEL			8. Lease Name and Well No. ROAD RUNNER FEDERAL COM 11H		
14. Date Spudded 01/30/2017			15. Date T.D. Reached 02/20/2017		
16. Date Completed ☐ D & A ☒ Ready to Prod. 06/15/2017			9. API Well No. 30-015-43900-00-S1		
18. Total Depth: MD 17935 TVD 7821			19. Plug Back T.D.: MD 17680 TVD 7821		
20. Depth Bridge Plug Set: MD 17680 TVD 7821			10. Field and Pool, or Exploratory COTTONWOOD DRAW-BONE SPRING		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) NONE			11. Sec., T., R., M., or Block and Survey or Area Sec 25 T25S R26E Mer NMP		
22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☐ No ☒ Yes (Submit analysis)			12. County or Parish EDDY		
23. Casing and Liner Record (Report all strings set in well)			13. State NM		
17. Elevations (DF, KB, RT, GL)* 3250 GL			16. Date Completed ☐ D & A ☒ Ready to Prod. 06/15/2017		

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 J-55	54.5	0	379		500		0	
12.250	9.625 J-55	40.0	0	1973		875		0	
8.750	5.500 P-110	17.0	0	17915	4605	3625		450	

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	7323	7313						

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7947	17650	7947 TO 17650	0.430	2728	OPEN - Bone Spring
B)						
C)						
D)						

Depth Interval	Amount and Type of Material
7947 TO 17650	SEE ATTACHED

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
06/16/2017	06/16/2017	24	→	77.0	55.0	1205.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. 800 SI	Csg. Press. 300.0	24 Hr. Rate →	Oil BBL 77	Gas MCF 55	Water BBL 1205	Gas:Oil Ratio	Well Status	POW

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 #380737 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED

DAVID R. GLASS

PETROLEUM ENGINEER

RECLAMATION DUE:
DEC 15 2017

yf

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.)
FLARED

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
BELL CANYON	1996	2871		RUSTLER	255
CHERRY CANYON	2872	3937		TOP SALT	386
BRUSHY CANYON	3938	5510		BASE OF SALT	1757
BONE SPRING LIME	5511	6477		BELL CANYON	1996
BONE SPRING 1ST	6478	7179		CHERRY CANYON	2872
BONE SPRING 2ND	7180	7821		BRUSHY CANYON	3938
				BONE SPRING LIME	5511
				BONE SPRING 1ST	6478
				BONE SPRING 2ND	7180

32. Additional remarks (include plugging procedure):
Surveys, perfs & stimulation are attached.

Additional Tops:
2nd Bone Spring 7180'

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 #380737 Verified by the BLM Well Information System.
For COG PRODUCTION LLC, sent to the Carlsbad
Committed to AFMSS for processing by DEBORAH HAM on 07/20/2017 (17DMH0136SE)**

Name (please print) STORMI DAVISTitle PREPARER

Signature _____ (Electronic Submission)

Date 07/07/2017

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 ****

ROAD RUNNER FEDERAL COM 11H

<u>Perfs</u>	<u>7 1/2% Acid (Gal)</u>	<u>Sand (#)</u>	<u>Fluid (Gal)</u>
1	1512	307930	469686
2	3024	315650	362964
3	3024	313170	374850
4	3024	311680	367164
5	3024	313140	362250
6	3024	313140	364014
7	3024	311520	361746
8	3024	309360	356874
9	3024	310170	356748
10	3024	312440	360234
11	3024	301800	357840
12	3024	313370	359604
13	3024	311550	364854
14	3024	312100	364812
15	3024	312480	354942
16	3024	309620	351456
17	3024	312630	355068
18	3024	314670	441084
19	3024	308750	346458
20	3024	291710	356958
21	3024	314190	347424
22	3024	310420	355824
23	3024	310340	414162
24	3024	305040	361074
25	3024	311260	422268
26	3024	313150	461496
27	3024	312490	373380
28	3024	301990	390516
29	3024	309330	362712
30	3024	311820	348600
31	3024	312550	346836
32	3024	312340	348012
33	3024	311480	362754
34	3024	327140	354858
35	3024	289330	372330
36	3024	303870	339990
37	3024	312420	343854
38	3024	317670	350154
39	3024	311110	382368
40	3024	309310	412944
41	3024	312320	341964
42	3024	311560	345660
43	3024	311940	349272
44	3024	318770	358092
45	3024	315310	343644
46	3024	311930	360948
47	3024	311330	354942
48	3024	316230	341922
49	3024	311300	342384
50	3024	309570	363216
51	3024	293670	467082
52	3024	312750	341796
53	3024	312240	340158
54	3024	315570	370020
55	3024	312190	381822
56	3024	310630	354312
57	3024	306140	339696
58	3024	312580	361452
59	3024	313100	363552
60	3024	316670	370734
61	3024	313500	435036
62	3024	329300	370944
Totals	185,976	19,292,730	22,839,810

ROAD RUNNER FEDERAL COM #11H

30-015-43900

From Bottom to Top	Stage 1	Shots	Stage 2	Shots	Stage 3	Shots	Stage 4	Shots	Stage 5	Shots
	17,850	8	17,493	8	17,328	8	17,160	8	17,023	8
	17,830	8	17,474	8	17,314	8	17,145	8	17,003	8
	17,811	8	17,454	8	17,297	8	17,128	8	16,984	8
	17,591	8	17,434	8	17,278	8	17,109	8	16,964	8
	17,572	5	17,415	5	17,258	5	17,092	5	16,944	5
	17,552	5	17,395	5	17,239	5	17,075	5	16,925	5
	17,532	5	17,378	5	17,219	5	17,061	5	16,905	5
	17,513	5	17,358	5	17,199	5	17,042	5	16,891	5
	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44
	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots

From Bottom to Top	Stage 6	Shots	Stage 7	Shots	Stage 8	Shots	Stage 9	Shots	Stage 10	Shots
	16,864	8	16,693	8	16,544	8	16,396	8	16,230	8
	16,847	8	16,673	8	16,533	8	16,376	8	16,215	8
	16,827	8	16,658	8	16,513	8	16,356	8	16,199	8
	16,807	8	16,641	8	16,493	8	16,337	8	16,180	8
	16,788	5	16,628	5	16,476	5	16,317	5	16,180	5
	16,788	5	16,611	5	16,454	5	16,297	5	16,141	5
	16,748	5	16,587	5	16,436	5	16,278	5	16,121	5
	16,729	5	16,572	5	16,415	5	16,258	5	16,101	5
	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44
	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots

From Bottom to Top	Stage 11	Shots	Stage 12	Shots	Stage 13	Shots	Stage 14	Shots	Stage 15	Shots
	16,070	8	15,925	8	15,768	8	15,600	8	15,446	8
	16,060	8	15,905	8	15,745	8	15,590	8	15,435	8
	16,043	8	15,886	8	15,729	8	15,571	8	15,415	8
	16,023	8	15,868	8	15,711	8	15,553	8	15,396	8
	16,003	5	15,847	5	15,690	5	15,528	5	15,376	5
	15,984	5	15,827	5	15,670	5	15,513	5	15,357	5
	15,958	5	15,807	5	15,651	5	15,495	5	15,337	5
	15,945	5	15,788	5	15,631	5	15,474	5	15,317	5
	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44
	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots

From Bottom to Top	Stage 16	Shots	Stage 17	Shots	Stage 18	Shots	Stage 19	Shots	Stage 20	Shots
	15,298	8	15,126	8	14,977	8	14,825	8	14,678	8
	15,277	8	15,107	8	14,965	8	14,808	8	14,654	8
	15,259	8	15,100	8	14,946	8	14,788	8	14,631	8
	15,234	8	15,082	8	14,925	8	14,767	8	14,612	8
	15,219	5	15,063	5	14,906	5	14,749	5	14,592	5
	15,203	5	15,043	5	14,886	5	14,724	5	14,572	5
	15,180	5	15,019	5	14,867	5	14,710	5	14,553	5
	15,161	5	15,004	5	14,847	5	14,694	5	14,533	5
	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44
	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots

From Bottom to Top	Stage 21	Shots	Stage 22	Shots	Stage 23	Shots	Stage 24	Shots	Stage 25	Shots
	14,502	8	14,357	8	14,200	8	14,043	8	13,878	8
	14,489	8	14,337	8	14,180	8	14,024	8	13,867	8
	14,472	8	14,318	8	14,161	8	14,004	8	13,847	8
	14,455	8	14,298	8	14,141	8	13,984	8	13,828	8
	14,440	5	14,278	5	14,122	5	13,965	5	13,808	5
	14,416	5	14,258	5	14,102	5	13,945	5	13,788	5
	14,398	5	14,239	5	14,082	5	13,926	5	13,769	5
	14,378	5	14,224	5	14,063	5	13,906	5	13,749	5
	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44
	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots

From Bottom to Top	Stage 26	Shots	Stage 27	Shots	Stage 28	Shots	Stage 29	Shots	Stage 30	Shots
	13,712	6	13,573	6	13,410	6	13,246	6	13,103	6
	13,700	6	13,553	6	13,399	6	13,236	6	13,083	6
	13,683	6	13,534	6	13,377	6	13,218	6	13,063	6
	13,671	6	13,514	6	13,357	6	13,200	6	13,044	6
	13,651	5	13,494	5	13,338	5	13,177	5	13,024	5
	13,632	5	13,473	5	13,318	5	13,161	5	13,004	5
	13,612	5	13,455	5	13,298	5	13,144	5	12,985	5
	13,592	5	13,431	5	13,279	5	13,122	5	12,963	5
	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44
	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots

From Bottom to Top	Stage 31	Shots	Stage 32	Shots	Stage 33	Shots	Stage 34	Shots	Stage 35	Shots
	12,940	6	12,772	6	12,632	6	12,470	6	12,312	6
	12,921	6	12,758	6	12,612	6	12,455	6	12,299	6
	12,908	6	12,744	6	12,593	6	12,436	6	12,282	6
	12,887	6	12,722	6	12,573	6	12,416	6	12,259	6
	12,867	5	12,705	5	12,553	5	12,397	5	12,241	5
	12,848	5	12,691	5	12,531	5	12,377	5	12,220	5
	12,828	5	12,671	5	12,514	5	12,357	5	12,201	5
	12,808	5	12,651	5	12,497	5	12,338	5	12,181	5
	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44
	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots

From Bottom to Top	Stage 36	Shots	Stage 37	Shots	Stage 38	Shots	Stage 39	Shots	Stage 40	Shots
	12,181	6	12,005	6	11,830	6	11,691	6	11,534	6
	12,142	6	11,985	6	11,818	6	11,671	6	11,515	6
	12,122	6	11,965	6	11,801	6	11,652	6	11,495	6
	12,103	6	11,948	6	11,789	6	11,632	6	11,475	6
	12,085	5	11,928	5	11,769	5	11,613	5	11,456	5
	12,059	5	11,907	5	11,750	5	11,593	5	11,433	5
	12,044	5	11,887	5	11,730	5	11,573	5	11,417	5
	12,024	5	11,867	5	11,711	5	11,554	5	11,401	5
	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44
	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots

From Bottom to Top	Stage 41	Shots	Stage 42	Shots	Stage 43	Shots	Stage 44	Shots	Stage 45	Shots
	11,377	6	11,218	6	11,084	6	10,907	6	10,742	6
	11,358	6	11,201	6	11,044	6	10,884	6	10,730	6
	11,338	6	11,178	6	11,025	6	10,868	6	10,711	6
	11,319	6	11,162	6	11,005	6	10,851	6	10,691	6
	11,299	5	11,144	5	10,985	5	10,829	5	10,672	5
	11,278	5	11,123	5	10,968	5	10,809	5	10,652	5
	11,260	5	11,103	5	10,948	5	10,789	5	10,631	5
	11,240	5	11,083	5	10,923	5	10,770	5	10,613	5
	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44
	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots

From Bottom to Top	Stage 46	Shots	Stage 47	Shots	Stage 48	Shots	Stage 49	Shots	Stage 50	Shots
	10,589	6	10,436	6	10,270	6	10,121	6	9,980	6
	10,574	6	10,417	6	10,260	6	10,103	6	9,942	6
	10,559	6	10,397	6	10,240	6	10,084	6	9,927	6
	10,534	6	10,373	6	10,221	6	10,064	6	9,909	6
	10,515	5	10,358	5	10,201	5	10,044	5	9,888	5
	10,495	5	10,339	5	10,182	5	10,025	5	9,868	5
	10,478	5	10,319	5	10,159	5	10,005	5	9,848	5
	10,458	5	10,299	5	10,142	5	9,986	5	9,829	5
	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44
	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots

From Bottom to Top	Stage 51	Shots	Stage 52	Shots	Stage 53	Shots	Stage 54	Shots	Stage 55	Shots
	9,809	6	9,652	6	9,498	6	9,335	6	9,178	6
	9,790	6	9,633	6	9,476	6	9,319	6	9,162	6
	9,770	6	9,613	6	9,458	6	9,300	6	9,143	6
	9,750	6	9,594	6	9,437	6	9,280	6	9,123	6
	9,731	5	9,574	5	9,417	5	9,260	5	9,106	5
	9,711	5	9,554	5	9,398	5	9,241	5	9,084	5
	9,692	5	9,535	5	9,378	5	9,221	5	9,064	5
	9,672	5	9,515	5	9,358	5	9,202	5	9,045	5
	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44
	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots

From Bottom to Top	Stage 56	Shots	Stage 57	Shots	Stage 58	Shots	Stage 59	Shots	Stage 60	Shots
	9,025	6	8,868	6	8,711	6	8,555	6	8,398	6
	9,006	6	8,849	6	8,692	6	8,535	6	8,378	6
	8,986	6	8,829	6	8,672	6	8,515	6	8,359	6
	8,966	6	8,809	6	8,653	6	8,496	6	8,339	6
	8,947	5	8,790	5	8,633	5	8,478	5	8,319	5
	8,927	5	8,770	5	8,613	5	8,457	5	8,298	5
	8,908	5	8,751	5	8,594	5	8,437	5	8,280	5
	8,888	5	8,731	5	8,574	5	8,417	5	8,261	5
	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44	Plug to Plug	44
	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots

From Bottom to Top	Stage 61	Shots	Stage 62	Shots	Stage 63	Shots	Stage 64	Shots	Stage 65	Shots
	8,241	6	8,084	6						
	8,221	6	8,065	6						
	8,202	6	8,045	6						
	8,182	6	8,025	6						
	8,163	5	8,006	5						
	8,143	5	7,986	5						
	8,123	5	7,967	5						
	8,104	5	7,947	5						
	Plug to Plug	44	Plug to Plug	44	Plug to Plug	0	Plug to Plug	0	Plug to Plug	0
	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots	Frac Plug	Total Shots