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	[2] OGRID Number
COG Operating LLC 2208 W. Main Street Artesia, NM 88210	229137
	[3] Reason for Filing Code/ Effective Date NW

[4] API Number	[5] Pool Name	[6] Pool Code
30 – 015-44148	Cottonwood Draw; Bone Spring	97494

[7] Property Code	[8] Property Name	[9] Well Number
316776	Road Runner Federal Com	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
O	25	25S	26E		210	South	1995	East	Eddy

[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
B	24	25S	26E		201	North	2317	East	Eddy

[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	12/22/17			

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] O/G/W
	Alpha Crude Connector	O
	Lucid Energy	G

NM OIL CONSERVATION
ARTESIA DISTRICT
JAN 22 2018
RECEIVED

IV. Well Completion Data

[21] Spud Date	[22] Ready Date	[23] TD	[24] PBTD	[25] Perforations	[26] DHC, MC
8/16/17	12/21/17	17898' /7812	17785'	7950-17698'	

[27] Hole Size	[28] Casing & Tubing Size	[29] Depth Set	[30] Sacks Cement
17 1/2"	13 3/8"	290'	500
12 1/4"	9 5/8"	2400'	1025
8 3/4"	5 1/2"	17890'	3605
	2 7/8"	7372'	

V. Well Test Data

[31] Date New Oil	[32] Gas Delivery Date	[33] Test Date	[34] Test Length	[35] Tbg. Pressure	[36] Csg. Pressure
12/22/17	12/22/17	12/22/17	24 Hrs	600#	
[37] Choke Size	**[38] Oil**	**[39] Water**	**[40] Gas**		**[41] Test Method**
34/64"	213	2386	468		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: 1/18/18

Phone: 575-748-6946

OIL CONSERVATION DIVISION

Approved by: Raymond M. Dodany

Title: Geologist

Approval Date: 1-26-2018

Pending BLM approvals will subsequently be reviewed and scanned

Form 3160-4
(August 2007)

NM OIL CONSERVATION
ARTESIA DISTRICT
JAN 22 2018

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

RECEIVED

5. Lease Serial No. NMNM112907

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 OPERATING LLC
Contact: STORMI DAVIS
E-Mail: sdavis@concho.com

8. Lease Name and Well No.: ROAD RUNNER FEDERAL COM 12H

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

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

9. API Well No.: 30-015-44148

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface: Sec 25 T25S R26E Mer NMP, SWSE 210FSL 1995FEL
At top prod interval reported below: Sec 24 T25S R26E Mer NMP
At total depth: NWNE 201FNL 2317FEL

10. Field and Pool, or Exploratory: COTTONWOOD DRAW; BONE SPR

11. Sec., T., R., M., or Block and Survey or Area: Sec 25 T25S R26E Mer NMP

12. County or Parish: EDDY

13. State: NM

14. Date Spudded: 08/16/2017

15. Date T.D. Reached: 09/04/2017

16. Date Completed: ☐ D & A ☒ Ready to Prod. 12/21/2017

17. Elevations (DF, KB, RT, GL)*: 3248 GL

18. Total Depth: MD 17898 TVD 7812

19. Plug Back T.D.: MD 17785 TVD 7815

20. Depth Bridge Plug Set: MD 17785 TVD 7815

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	290		500		0	
12.250	9.625 J55	40.0	0	2400		1025		0	
8.750	5.500 P110	17.0	0	17890		3605		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	7372	7363						

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	BONE SPRING	7950	17760	7950 TO 17698	0.430	2816	OPEN
B)				17750 TO 17760		60	OPEN
C)							
D)							

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

Depth Interval	Amount and Type of Material
7950 TO 17698	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
12/22/2017	12/22/2017	24	→	213.0	468.0	2386.0			FLOWS FROM WELL

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
34/64	600		→	213	468	2386		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
			→					

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio
			→				

Pending BLM approvals will subsequently be reviewed and scanned
SC 1-26-18

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #401479 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** C … OR-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	1964	2003		RUSTLER	31
BELL CANYON	2004	2853		TOS	304
CHERRY CANYON	2854	3919		BOS	1765
BRUSHY CANYON	3920	5513		LAMAR	1964
BONE SPRING LM	5514	6442		BELL CANYON	2004
1ST BONE SPRING	6443	7184		CHERRY CANYON	2854
2ND BONE SPRING	7185	7822		BRUSHY CANYON	3920
				BONE SPRING LM	5514

32. Additional remarks (include plugging procedure):
Surveys and Perfs/Stimulation are attached.

Additional Tops:

1st Bone Spring: 6443'
2nd Bone Spring: 7185'

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 #401479 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad

Name *(please print)* STORMI DAVIS Title PREPARER

Signature (Electronic Submission) Date 01/18/2018

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 ****

ROAD RUNNER FEDERAL COM #12H (30-015-44148)

Perfs	7 1/2% Acid (Gal)	Sand (#)	Fluid (Gal)
1	4032	312746	388458
2	2982	290590	333984
3	2982	313499	359100
4	3150	313684	368928
5	3024	314234	350154
6	2226	312003	351666
7	2940	311491	370188
8	3024	312937	355866
9	3024	311864	354564
10	2898	312165	354396
11	2940	313369	360570
12	3024	312056	347214
13	2772	311786	341712
14	2646	312066	341124
15	2772	311364	341040
16	2730	313323	343224
17	2730	312005	339024
18	2730	312900	342636
19	2688	312302	342636
20	3024	312918	339654
21	3024	313207	338520
22	3066	314203	312858
23	2898	312901	325920
24	2898	313911	326676
25	2898	307842	321174
26	3024	313686	308994
27	2982	310386	311220
28	3024	311134	315504
29	3024	311495	289464
30	3024	313533	290724
31	3024	313554	285810
32	3192	312731	285894
33	3024	315465	287826
34	3024	313252	286440
35	3066	312597	283794
36	3024	313442	282534
37	3024	310489	285222
38	2940	312834	283542
39	2940	312321	282534
40	2940	313236	296688
41	3024	312397	288078
42	3024	311988	282576
43	3066	313495	287994
44	3024	313019	297906
45	2898	312623	309246
46	3024	313184	283668
47	2982	313059	283206
48	3024	313470	298662
49	3024	314837	288876
50	3108	315457	300006
51	3024	312432	278670
52	2520	311502	282828
53	2772	312429	295218
54	2982	313542	276948
55	3150	313300	283542
56	3024	314321	279342
57	3024	312327	286776
58	3024	312983	279594
59	3024	310192	280728
60	3024	313959	305760
61	2982	309906	273966
62	3150	313315	277116
63	3024	308659	305004
64	3654	316606	349188
Totals	**190,974**	**19,990,523**	**20,002,374**

ROAD RUNNER FEDERAL COM 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
From Bottom to Top	17,698	17	6	17,562	19	6	17,405	20	6	17,255	25	6	17,101	22	6
	17,681	17	6	17,543	19	6	17,391	20	6	17,237	22	6	17,084	19	6
	17,664	17	6	17,524	19	6	17,371	19	6	17,215	16	6	17,065	19	6
	17,647	20	6	17,505	19	6	17,352	19	6	17,199	22	6	17,046	19	6
	17,627	16	5	17,486	19	5	17,333		5	17,177	16	5	17,027	19	5
	17,611	15	5	17,467	20	5	17,314	19	5	17,161	24	5	17,008	19	5
	17,596	15	5	17,447	22	5	17,295	15	5	17,137	14	5	16,989	21	5
	17,581		5	17,425		5	17,280		5	17,123		5	16,968		5
	Plug to Plug	136	44	Plug to Plug	157	44	Plug to Plug	145	44	Plug to Plug	159	44	Plug to Plug	153	44
	Frac Plug	17,708	Total Shots	Frac Plug	17,572	Total Shots	Frac Plug	17,415	Total Shots	Frac Plug	17,270	Total Shots	Frac Plug	17,111	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
From Bottom to Top	16,948	20	6	16,784	30	6	16,644	20	6	16,489	20	6	16,328	30	6
	16,925	13	6	16,767	17	6	16,626	19	6	16,475	21	6	16,315	14	6
	16,912	19	6	16,750	17	6	16,607	19	6	16,454	19	6	16,301	19	6
	16,893	19	6	16,733	18	6	16,588	20	6	16,435	19	6	16,282	19	6
	16,874	19	5	16,715	17	5	16,568	19	5	16,416	20	5	16,263	19	5
	16,855	19	5	16,698	22	5	16,549	19	5	16,396	19	5	16,244	20	5
	16,836	22	5	16,676	12	5	16,530	21	5	16,377	19	5	16,224	16	5
	16,814		5	16,664		5	16,509		5	16,358		5	16,208		5
	Plug to Plug	164	44	Plug to Plug	140	44	Plug to Plug	155	44	Plug to Plug	161	44	Plug to Plug	140	44
	Frac Plug	16,958	Total Shots	Frac Plug	16,794	Total Shots	Frac Plug	16,654	Total Shots	Frac Plug	16,499	Total Shots	Frac Plug	16,338	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
From Bottom to Top	16,183	25	6	16,032	20	6	15,876	25	6	15,728	19	6	15,574	20	6
	16,167	16	6	16,014	19	6	15,861	19	6	15,708	16	6	15,556	20	6
	16,151	22	6	15,995	22	6	15,842	19	6	15,692	22	6	15,536	19	6
	16,129	19	6	15,973	16	6	15,823	19	6	15,670	16	6	15,517	19	6
	16,110	19	5	15,957	24	5	15,804	19	5	15,654	17	5	15,498	21	5
	16,091	19	5	15,933	14	5	15,785	19	5	15,637	24	5	15,477	17	5
	16,072	20	5	15,919	18	5	15,766	19	5	15,613	19	5	15,460	18	5
	16,052		5	15,901		5	15,747		5	15,594		5	15,442		5
	Plug to Plug	156	44	Plug to Plug	156	44	Plug to Plug	148	44	Plug to Plug	154	44	Plug to Plug	157	44
	Frac Plug	16,198	Total Shots	Frac Plug	16,042	Total Shots	Frac Plug	15,886	Total Shots	Frac Plug	15,738	Total Shots	Frac Plug	15,584	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
From Bottom to Top	15,417	25	6	15,254	34	6	15,115	20	6	14,960	20	6	14,809	25	6
	15,403	19	6	15,240	13	6	15,097	19	6	14,940	15	6	14,791	20	6
	15,384	20	6	15,227	15	6	15,078	19	6	14,925	16	6	14,771	18	6
	15,364	19	6	15,212	20	6	15,059	19	6	14,909	22	6	14,753	24	6
	15,345	19	5	15,192	19	5	15,040	22	5	14,887	19	5	14,729	14	5
	15,326	19	5	15,173	19	5	15,018	17	5	14,868	20	5	14,715	18	5
	15,307	19	5	15,154	19	5	15,001	21	5	14,848	14	5	14,697	20	5
	15,288		5	15,135		5	14,980		5	14,834		5	14,677		5
	Plug to Plug	163	44	Plug to Plug	139	44	Plug to Plug	155	44	Plug to Plug	151	44	Plug to Plug	152	44
	Frac Plug	15,427	Total Shots	Frac Plug	15,264	Total Shots	Frac Plug	15,125	Total Shots	Frac Plug	14,970	Total Shots	Frac Plug	14,819	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
From Bottom to Top	14,657	20	6	14,501	20	6	14,349	25	6	14,198	20	6	14,065	4	6
	14,638	19	6	14,479	16	6	14,333	17	6	14,180	19	6	14,027	19	6
	14,619	19	6	14,463	16	6	14,316	22	6	14,161	23	6	14,008	19	6
	14,600	19	6	14,447	19	6	14,294	19	6	14,138	16	6	13,989	23	6
	14,581	20	5	14,428	19	5	14,275	19	5	14,122	19	5	13,966	16	5
	14,561	18	5	14,409	19	5	14,256	19	5	14,103	19	5	13,950	19	5
	14,543	22	5	14,390	16	5	14,237	19	5	14,084	15	5	13,931	19	5
	14,521		5	14,374		5	14,218		5	14,069		5	13,912		5
	Plug to Plug	156	44	Plug to Plug	147	44	Plug to Plug	156	44	Plug to Plug	153	44	Plug to Plug	153	44
	Frac Plug	14,667	Total Shots	Frac Plug	14,511	Total Shots	Frac Plug	14,364	Total Shots	Frac Plug	14,208	Total Shots	Frac Plug	14,055	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
From Bottom to Top	13,892	20	6	13,738	24	6	13,582	25	6	13,433	20	6	13,270	31	6
	13,874	19	6	13,721	19	6	13,567	16	6	13,409	15	6	13,255	15	6
	13,855	19	6	13,702	19	6	13,551	21	6	13,394	15	6	13,240	16	6
	13,836	19	6	13,683	19	6	13,530	19	6	13,379	21	6	13,224	24	6
	13,817	20	5	13,664	19	5	13,511	19	5	13,358	19	5	13,200	14	5
	13,797	19	5	13,645	20	5	13,492	19	5	13,339	19	5	13,186	19	5
	13,778	16	5	13,625	18	5	13,473	20	5	13,320	19	5	13,167	19	5
	13,762		5	13,607		5	13,453		5	13,301		5	13,148		5
	Plug to Plug	154	44	Plug to Plug	151	44	Plug to Plug	154	44	Plug to Plug	163	44	Plug to Plug	142	44
	Frac Plug	13,902	Total Shots	Frac Plug	13,748	Total Shots	Frac Plug	13,597	Total Shots	Frac Plug	13,443	Total Shots	Frac Plug	13,280	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
From Bottom to Top	13,128	20	6	12,973	20	6	12,822	25	6	12,669	20	6	12,512	25	6
	13,109	19	6	12,959	22	6	12,804	15	6	12,651	19	6	12,495	16	6
	13,090	19	6	12,937	18	6	12,789	23	6	12,632	22	6	12,479	19	6
	13,071	19	6	12,919	20	6	12,766	19	6	12,610	16	6	12,460	19	6
	13,052	20	5	12,899	19	5	12,747	20	5	12,594	16	5	12,441	19	5
	13,032	18	5	12,880	19	5	12,727	19	5	12,578	23	5	12,422	20	5
	13,014	21	5	12,861	14	5	12,708	19	5	12,555	18	5	12,402	17	5
	12,993		5	12,847		5	12,689		5	12,537		5	12,385		5
	Plug to Plug	155	44	Plug to Plug	151	44	Plug to Plug	153	44	Plug to Plug	157	44	Plug to Plug	147	44
	Frac Plug	13,138	Total Shots	Frac Plug	12,983	Total Shots	Frac Plug	12,832	Total Shots	Frac Plug	12,679	Total Shots	Frac Plug	12,522	Total Shots

	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
From Bottom to Top	12,360	25	6	12,210	20	6	12,049	29	6	11,907	20	6	11,752	20	6
	12,345	16	6	12,191	18	6	12,035	18	6	11,886	18	6	11,734	20	6
	12,329	22	6	12,173	24	6	12,017	16	6	11,868	20	6	11,714	19	6
	12,307	19	6	12,149	14	6	12,001	19	6	11,848	19	6	11,695	19	6
	12,288	19	5	12,135	19	5	11,982	19	5	11,829	19	5	11,676	22	5
	12,269	19	5	12,116	19	5	11,963	24	5	11,810	19	5	11,654	16	5
	12,250	20	5	12,097	19	5	11,939	12	5	11,791	19	5	11,638	16	5
	12,230		5	12,078		5	11,927		5	11,772		5	11,622		5
	Plug to Plug	155	44	Plug to Plug	161	44	Plug to Plug	142	44	Plug to Plug	155	44	Plug to Plug	155	44
	Frac Plug	12,375	Total Shots	Frac Plug	12,220	Total Shots	Frac Plug	12,059	Total Shots	Frac Plug	11,917	Total Shots	Frac Plug	11,762	Total Shots

- **ROAD RUNNER FEDERAL COM 12H**

	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
From Bottom to Top	11,597	25	6	11,445	25	6	11,293	20	6	11,132	28	6	10,988	20	6
	11,581	19	6	11,428	18	6	11,275	19	6	11,117	14	6	10,969	19	6
	11,562	20	6	11,410	20	6	11,256	24	6	11,103	19	6	10,950	19	6
	11,542	19	6	11,390	20	6	11,232	16	6	11,084	22	6	10,931	19	6
	11,523	19	5	11,370	19	5	11,216	15	5	11,062	16	5	10,912	21	5
	11,504	19	5	11,351	19	5	11,201	22	5	11,046	17	5	10,891	17	5
	11,485	15	5	11,332	19	5	11,179	19	5	11,029	21	5	10,874	16	5
	11,470		5	11,313		5	11,160		5	11,008		5	10,858		5
	Plug to Plug	147	44	Plug to Plug	157	44	Plug to Plug	161	44	Plug to Plug	144	44	Plug to Plug	155	44
	Frac Plug	11,607	Total Shots	Frac Plug	11,460	Total Shots	Frac Plug	11,303	Total Shots	Frac Plug	11,142	Total Shots	Frac Plug	10,998	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
From Bottom to Top	10,833	25	6	10,677	25	6	10,528	20	6	10,367	29	6	10,223	20	6
	10,816	19	6	10,661	16	6	10,509	18	6	10,358	20	6	10,205	19	6
	10,797	19	6	10,645	20	6	10,491	24	6	10,338	19	6	10,186	19	6
	10,778	19	6	10,625	19	6	10,467	14	6	10,319	24	6	10,167	20	6
	10,759	19	5	10,606	19	5	10,453	17	5	10,295	14	5	10,147	19	5
	10,740	20	5	10,587	19	5	10,436	21	5	10,281	18	5	10,128	19	5
	10,720	18	5	10,568	20	5	10,415	19	5	10,263	20	5	10,109	14	5
	10,702		5	10,548		5	10,396		5	10,243		5	10,095		5
	Plug to Plug	151	44	Plug to Plug	154	44	Plug to Plug	161	44	Plug to Plug	144	44	Plug to Plug	153	44
	Frac Plug	10,843	Total Shots	Frac Plug	10,692	Total Shots	Frac Plug	10,538	Total Shots	Frac Plug	10,377	Total Shots	Frac Plug	10,233	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
From Bottom to Top	10,070	25	6	9,918	26	6	9,765	19	6	9,607	20	6	9,458	25	6
	10,053	20	6	9,899	23	6	9,746	19	6	9,593	19	6	9,440	15	6
	10,033	18	6	9,876	15	6	9,727	19	6	9,574	19	6	9,425	23	6
	10,015	20	6	9,861	20	6	9,708	19	6	9,555	19	6	9,402	19	6
	9,995	20	5	9,841	18	5	9,689	22	5	9,536	19	5	9,383	19	5
	9,975	19	5	9,823	20	5	9,667	16	5	9,517	19	5	9,364	19	5
	9,956	12	5	9,803	19	5	9,651	24	5	9,498	15	5	9,345	19	5
	9,944		5	9,784		5	9,627		5	9,483		5	9,326		5
	Plug to Plug	146	44	Plug to Plug	159	44	Plug to Plug	158	44	Plug to Plug	144	44	Plug to Plug	157	44
	Frac Plug	10,080	Total Shots	Frac Plug	9,934	Total Shots	Frac Plug	9,775	Total Shots	Frac Plug	9,617	Total Shots	Frac Plug	9,473	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
From Bottom to Top	9,306	20	6	9,148	27	6	8,994	26	6	8,848	19	6	8,688	26	6
	9,287	19	6	9,135	20	6	8,982	19	6	8,826	16	6	8,676	19	6
	9,268	21	6	9,115	19	6	8,963	19	6	8,810	17	6	8,657	19	6
	9,247	17	6	9,096	21	6	8,944	20	6	8,793	21	6	8,638	20	6
	9,230	17	5	9,075	17	5	8,924	19	5	8,772	20	5	8,618	18	5
	9,213	21	5	9,058	23	5	8,905	19	5	8,752	19	5	8,600	16	5
	9,192	19	5	9,035	15	5	8,886	19	5	8,733	19	5	8,584	23	5
	9,173		5	9,020		5	8,867		5	8,714		5	8,561		5
	Plug to Plug	160	44	Plug to Plug	146	44	Plug to Plug	152	44	Plug to Plug	160	44	Plug to Plug	147	44
	Frac Plug	9,316	Total Shots	Frac Plug	9,156	Total Shots	Frac Plug	9,010	Total Shots	Frac Plug	8,858	Total Shots	Frac Plug	8,698	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
From Bottom to Top	8,541	20	6	8,389	25	6	8,231	25	6	8,083	20	6		7950	
	8,523	19	6	8,370	19	6	8,217	19	6	8,060	15	6			
	8,504	19	6	8,351	19	6	8,198	19	6	8,045	18	6			
	8,485	19	6	8,332	19	6	8,179	19	6	8,027	20	6			
	8,466	23	5	8,313	19	5	8,160	19	5	8,007	19	5			
	8,443	15	5	8,294	19	5	8,141	19	5	7,988	19	5			
	8,428	14	5	8,275	19	5	8,122	19	5	7,969	19	5			
	8,414		5	8,256		5	8,103		5	7,950		5			
	Plug to Plug	152	44	Plug to Plug	153	44	Plug to Plug	153	44	Plug to Plug	1328	44	Plug to Plug	6765	0
	Frac Plug	8,551	Total Shots	Frac Plug	8,399	Total Shots	Frac Plug	8,246	Total Shots	Frac Plug	8,093	Total Shots	Frac Plug	6,765	Total Shots

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

5. Lease Serial No.
NMNM112907

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.
ROAD RUNNER FEDERAL COM 12H

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

9. API Well No.
30-015-44148

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
COTTONWOOD DRAW; BONE SPR

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 25 T25S R26E Mer NMP SWSE 210FSL 1995FEL

11. County or Parish, State
EDDY 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.

9/19/17 Set CBP @ 17785' and test csg to 8540# for 30 mins. Good test. Perf 17750-17760' (60). Injection test.

11/7/17 to 11/29/17 Perf 7950-17698' (2816). Acdz w/190,974 gal 7 1/2%; frac w/19,990,523# sand & 20,002,374 gal fluid.

12/6/17 to 12/8/17 Drilled out CFP's. Clean down to CBP @ 17785'.

12/9/17 Set 2 7/8" 6.5# J-55 tbg @ 7372' & pkr @ 7363'. Installed gas-lift system.

12/21/17 Began flowing back & testing.

NM OIL CONSERVATION
ARTESIA DISTRICT
JAN 22 2018
RECEIVED

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #401467 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Carlsbad

Name *(Printed/Typed)* STORMI DAVIS — Title PREPARER

Signature (Electronic Submission) — Date 01/18/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____ Title _____

Pending BLM approvals will subsequently be reviewed and scanned

SC 1-26-18

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 knowing States any false, fictitious or fraudulent statements or representations as to any matter within its jurisd United

(Instructions on page 2)

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****