

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. NMNM38636
6. If Indian, Allottee or Tribe Name
7. Unit or CA Agreement Name and No.
8. Lease Name and Well No. SIDEWINDER FED COM 4H
9. API Well No. 30-015-44192-00-S1
10. Field and Pool, or Exploratory PURPLE SAGE-WOLFCAMP (GAS)
11. Sec., T., R., M., or Block and Survey or Area Sec 32 T26S R29E Mer NMP
12. County or Parish EDDY
13. State NM
17. Elevations (DF, KB, RT, GL)* 2885 GL

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

2. Name of Operator
COG OPERATING LLC

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

3. Address 600 W ILLINOIS AVENUE
MIDLAND, TX 79701

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

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
Sec 32 T26S R29E Mer NMP
At surface Lot 1 1970FNL 950FWL 32.000782 N Lat, 104.012253 W Lon
Sec 32 T26S R29E Mer NMP
At top prod interval reported below Lot 1 1970FNL 950FWL 32.000782 N Lat, 104.012253 W Lon
Sec 29 T26S R29E Mer NMP
At total depth NWNW 216FNL 719FWL

14. Date Spudded
06/07/2017

15. Date T.D. Reached
07/08/2017

16. Date Completed
☐ D & A ☒ Ready to Prod.
09/01/2017

18. Total Depth: MD 17800
TVD 10757

19. Plug Back T.D.: MD 17700
TVD 10755

20. Depth Bridge Plug Set: MD 17700
TVD 10755

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
20.000	16.000 J-55	75.0	0	343		850		0	
13.500	10.750 L-80	45.5	0	2657		1150		0	
6.750	5.500 P-110	23.0	0	9245		1700		0	
9.875	7.625 P-110	29.7	0	9743		975		0	
6.750	5.000 P-110	18.0	9245	17793					

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	9192	9183						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	10874	17675	10874 TO 17610	0.430	1980	OPEN
B)			17665 TO 17675		60	OPEN
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
10874 TO 17610	SEE ATTACHED

NM OIL CONSERVATION
ARTESIA DISTRICT

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
09/02/2017	09/02/2017	24	→	72.0	322.0	834.0			FLows FROM WELL
Choke Size	Tbgs. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
26/64	3100		→	72	322	834		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	Tbgs. 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 #394152 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED

RECLAMATION DUE:
MAR 01 2018

DAVID R. GLASS

RECEIVED

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
RUSTLER	35	902		RUSTLER	35
SALADO	902	2518		TOP SALT	902
LAMAR	2705	2737		BASE OF SALT	2518
BELL CANYON	2738	3597		LAMAR	2705
CHERRY CANYON	3598	4923		BELL CANYON	2738
BRUSHY CANYON	4924	6402		CHERRY CANYON	3598
BONE SPRING LIME	6403	7316		BRUSHY CANYON	4924
BONE SPRING 1ST	7317	8094		BONE SPRING LIME	6403
BONE SPRING 2ND	8095	9144		BONE SPRING 1ST	7317
BONE SPRING 3RD	9145	9588		BONE SPRING 2ND	8095
				BONE SPRING 3RD	9145
				WOLFCAMP	9589

32. Additional remarks (include plugging procedure):

Additional Tops:

1st Bone Spring: 7317'
2nd Bone Spring: 8095'
3rd Bone Spring: 9145'
Wolfcamp: 9589'

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 #394152 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by DAVID GLASS on 11/07/2017 (18DRG0013SE)

Name (please print) STORMI DAVIS Title PREPARERSignature _____ (Electronic Submission) Date 11/07/2017

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 ****

SIDEWINDER FEDERAL COM #4H (30-015-44192)

<u>Perfs</u>	<u>7 1/2% Acid (Gal)</u>	<u>Sand (#)</u>	<u>Fluid (Gal)</u>
1	5536	299080	414280
2	3024	299090	389298
3	3024	300540	402402
4	3024	300220	396732
5	3024	305930	388248
6	3024	307310	389508
7	3024	306040	387366
8	3000	300300	383982
9	3024	300720	386400
10	3024	301470	366744
11	3024	302620	383586
12	3024	301790	404208
13	3024	300410	379428
14	3066	302920	383964
15	3066	306670	381192
16	3066	300394	379806
17	3024	301749	383502
18	3066	302290	382536
19	3024	303920	383670
20	3066	301270	379680
21	3024	300680	423192
22	3024	303970	381696
23	3024	294670	416010
24	3012	300850	377064
25	3024	297600	377412
26	3024	261000	365064
27	3012	298870	413226
28	3066	304490	380100
29	3024	302500	378630
30	3024	308460	385770
31	3024	298910	386736
32	3024	298880	377706
33	3024	299940	376572
34	3012	302220	521670
35	3024	311000	378420
36	3024	300870	396564
37	3024	300040	376278
38	3024	300960	377202
39	3012	300020	373704
40	3024	300920	374598
41	3000	302920	372222
42	3024	303880	374640
43	3024	300870	372750
44	3024	304590	375186
45	3024	300870	367248
Totals	138,746	13,544,713	17,446,190

Stewinder Federal Com 4H

	Distance Between Perfs	Shots	Distance Between Perfs	Shots	Distance Between Perfs	Shots	Distance Between Perfs	Shots	Distance Between Perfs	Shots
From Bottom to Top	17,610	4	17,465	26	17,304	39	17,172	28	17,022	28
	17,600	19	17,451	14	17,295	10	17,155	19	17,004	18
	17,591	16	17,437	16	17,285	6	17,135	6	17,004	18
	17,582	19	17,419	20	17,268	19	17,117	19	16,984	18
	17,569	19	17,399	16	17,249	5	17,098	16	16,948	15
	17,551	19	17,381	19	17,230	19	17,080	15	16,933	23
	17,537	19	17,362	19	17,211	11	17,065	15	16,918	16
	17,525	5	17,345	5	17,200	5	17,050	5	16,902	5
	17,505	130	17,325	161	17,312	132	17,295	159	16,882	160
	17,485	44	17,305	44	17,295	44	17,278	44	16,862	44
	17,465	44	17,285	44	17,278	44	17,261	44	16,842	44
	17,445	44	17,265	44	17,261	44	17,244	44	16,822	44
	17,425	44	17,245	44	17,244	44	17,227	44	16,802	44
	17,405	44	17,225	44	17,227	44	17,210	44	16,782	44
	17,385	44	17,205	44	17,210	44	17,193	44	16,762	44
	17,365	44	17,185	44	17,193	44	17,176	44	16,742	44
	17,345	44	17,165	44	17,176	44	17,159	44	16,722	44
	17,325	44	17,145	44	17,159	44	17,142	44	16,702	44
	17,305	44	17,125	44	17,142	44	17,125	44	16,682	44
	17,285	44	17,105	44	17,125	44	17,108	44	16,662	44
	17,265	44	17,085	44	17,108	44	17,091	44	16,642	44
	17,245	44	17,065	44	17,091	44	17,074	44	16,622	44
	17,225	44	17,045	44	17,074	44	17,057	44	16,602	44
	17,205	44	17,025	44	17,057	44	17,040	44	16,582	44
	17,185	44	17,005	44	17,040	44	17,023	44	16,562	44
	17,165	44	16,985	44	17,023	44	17,006	44	16,542	44
	17,145	44	16,965	44	17,006	44	16,989	44	16,522	44
	17,125	44	16,945	44	16,989	44	16,972	44	16,502	44
	17,105	44	16,925	44	16,972	44	16,955	44	16,482	44
	17,085	44	16,905	44	16,955	44	16,938	44	16,462	44
	17,065	44	16,885	44	16,938	44	16,921	44	16,442	44
	17,045	44	16,865	44	16,921	44	16,904	44	16,422	44
	17,025	44	16,845	44	16,904	44	16,887	44	16,402	44
	17,005	44	16,825	44	16,887	44	16,870	44	16,382	44
	16,985	44	16,805	44	16,870	44	16,853	44	16,362	44
	16,965	44	16,785	44	16,853	44	16,836	44	16,342	44
	16,945	44	16,765	44	16,836	44	16,819	44	16,322	44
	16,925	44	16,745	44	16,819	44	16,802	44	16,302	44
	16,905	44	16,725	44	16,802	44	16,785	44	16,282	44
	16,885	44	16,705	44	16,785	44	16,768	44	16,262	44
	16,865	44	16,685	44	16,768	44	16,751	44	16,242	44
	16,845	44	16,665	44	16,751	44	16,734	44	16,222	44
	16,825	44	16,645	44	16,734	44	16,717	44	16,202	44
	16,805	44	16,625	44	16,717	44	16,700	44	16,182	44
	16,785	44	16,605	44	16,700	44	16,683	44	16,162	44
	16,765	44	16,585	44	16,683	44	16,666	44	16,142	44
	16,745	44	16,565	44	16,666	44	16,649	44	16,122	44
	16,725	44	16,545	44	16,649	44	16,632	44	16,102	44
	16,705	44	16,525	44	16,632	44	16,615	44	16,082	44
	16,685	44	16,505	44	16,615	44	16,598	44	16,062	44
	16,665	44	16,485	44	16,598	44	16,581	44	16,042	44
	16,645	44	16,465	44	16,581	44	16,564	44	16,022	44
	16,625	44	16,445	44	16,564	44	16,547	44	16,002	44
	16,605	44	16,425	44	16,547	44	16,530	44	15,982	44
	16,585	44	16,405	44	16,530	44	16,513	44	15,962	44
	16,565	44	16,385	44	16,513	44	16,496	44	15,942	44
	16,545	44	16,365	44	16,496	44	16,479	44	15,922	44
	16,525	44	16,345	44	16,479	44	16,462	44	15,902	44
	16,505	44	16,325	44	16,462	44	16,445	44	15,882	44
	16,485	44	16,305	44	16,445	44	16,428	44	15,862	44
	16,465	44	16,285	44	16,428	44	16,411	44	15,842	44
	16,445	44	16,265	44	16,411	44	16,394	44	15,822	44
	16,425	44	16,245	44	16,394	44	16,377	44	15,802	44
	16,405	44	16,225	44	16,377	44	16,360	44	15,782	44
	16,385	44	16,205	44	16,360	44	16,343	44	15,762	44
	16,365	44	16,185	44	16,343	44	16,326	44	15,742	44
	16,345	44	16,165	44	16,326	44	16,309	44	15,722	44
	16,325	44	16,145	44	16,309	44	16,292	44	15,702	44
	16,305	44	16,125	44	16,292	44	16,275	44	15,682	44
	16,285	44	16,105	44	16,275	44	16,258	44	15,662	44
	16,265	44	16,085	44	16,258	44	16,241	44	15,642	44
	16,245	44	16,065	44	16,241	44	16,224	44	15,622	44
	16,225	44	16,045	44	16,224	44	16,207	44	15,602	44
	16,205	44	16,025	44	16,207	44	16,190	44	15,582	44
	16,185	44	16,005	44	16,190	44	16,173	44	15,562	44
	16,165	44	15,985	44	16,173	44	16,156	44	15,542	44
	16,145	44	15,965	44	16,156	44	16,139	44	15,522	44
	16,125	44	15,945	44	16,139	44	16,122	44	15,502	44
	16,105	44	15,925	44	16,122	44	16,105	44	15,482	44
	16,085	44	15,905	44	16,105	44	16,088	44	15,462	44
	16,065	44	15,885	44	16,088	44	16,071	44	15,442	44
	16,045	44	15,865	44	16,071	44	16,054	44	15,422	44
	16,025	44	15,845	44	16,054	44	16,037	44	15,402	44
	16,005	44	15,825	44	16,037	44	16,020	44	15,382	44
	15,985	44	15,805	44	16,020	44	16,003	44	15,362	44
	15,965	44	15,785	44	16,003	44	15,986	44	15,342	44
	15,945	44	15,765	44	15,986	44	15,969	44	15,322	44
	15,925	44	15,745	44	15,969	44	15,952	44	15,302	44
	15,905	44	15,725	44	15,952	44	15,935	44	15,282	44
	15,885	44	15,705	44	15,935	44	15,918	44	15,262	44
	15,865	44	15,685	44	15,918	44	15,901	44	15,242	44
	15,845	44	15,665	44	15,901	44	15,884	44	15,222	44
	15,825	44	15,645	44	15,884	44	15,867	44	15,202	44
	15,805	44	15,625	44	15,867	44	15,850	44	15,182	44
	15,785	44	15,605	44	15,850	44	15,833	44	15,162	44
	15,765	44	15,585	44	15,833	44	15,816	44	15,142	44
	15,745	44	15,565	44	15,816	44	15,799	44	15,122	44
	15,725	44	15,545	44	15,799	44	15,782	44	15,102	44
	15,705	44	15,525	44	15,782	44	15,765	44	15,082	44
	15,685	44	15,505	44	15,765	44	15,748	44	15,062	44
	15,665	44	15,485	44	15,748	44	15,731	44	15,042	44
	15,645	44	15,465	44	15,731	44	15,714	44	15,022	44
	15,625	44	15,445	44	15,714	44	15,697	44	15,002	44
	15,605	44	15,425	44	15,697	44	15,680	44	14,982	44
	15,585	44	15,405	44	15,680	44	15,663	44	14,962	44
	15,565	44	15,385	44	15,663	44	15,646	44	14,942	44
	15,545	44	15,365	44	15,646	44	15,629	44	14,922	44
	15,525	44	15,345	44	15,629	44	15,612	44	14,902	44
	15,505	44	15,325	44	15,612	44	15,595	44	14,882	44
	15,485	44	15,305	44	15,595	44	15,578	44	14,862	44
	15,465	44	15,285	44	15,578	44	15,561	44	14,842	44
	15,445	44	15,265	44	15,561	44	15,544	44	14,822	44
	15,425	44	15,245	44	15,544	44	15,527	44	14,802	44
	15,405	44	15,225	44	15,527	44	15,510	44	14,782	44
	15,385	44	15,205	44	15,510	44	15,493	44	14,762	44
	15,365	44	15,185	44	15,493	44	15,476	44	14,742	44
	15,345	44	15,165	44	15,476	44	15,459	44	14,722	44
	15,325	44	15,145	44	15,459	44	15,442	44	14,702	44
	15,305	44	15,125	44	15,442	44	15,425	44	14,682	44
	15,285	44	15,105	44	15,425	44	15,408	44	14,662	44
	15,265	44	15,085	44	15,408	44	15,391	44	14,642	44
	15,245	44	15,065	44	15,391	44	15,374	44	14,622	44

	Distance Between Perfs	Shots	Distance Between Perfs	Shots	Distance Between Perfs	Shots	Distance Between Perfs	Shots	Distance Between Perfs	Shots
From Bottom to Top	13,642	56	13,701	33	13,546	36	13,391	33	13,248	33
	13,630	8	13,690	14	13,534	12	13,383	16	13,236	11
	13,622	14	13,678	19	13,522	21	13,370	14	13,226	19
	13,608	19	13,657	22	13,501	13	13,350	18	13,206	19
	13,780	19	13,635	15	13,488	19	13,337	18	13,187	19
	13,770	19	13,620	19	13,468	19	13,319	19	13,168	19
	13,761	17	13,601	19	13,450	19	13,300	19	13,148	18
	13,754	5	13,582	5	13,431	5	13,281	5	13,131	5
	Plug to Plug	141	Plug to Plug	147	Plug to Plug	156	Plug to Plug	150	Plug to Plug	154
	Frac Plug	13,850	Frac Plug	13,709	Frac Plug	13,562	Frac Plug	13,406	Frac Plug	13,256
	Total Shots	44	Total Shots	44	Total Shots	44	Total Shots	44	Total Shots	44

	Distance Between Perfs	Shots	Distance Between Perfs	Shots	Distance Between Perfs	Shots	Distance Between Perfs	Shots	Distance Between Perfs	Shots
From Bottom to Top	13,004	37	12,957	33	12,792	36	12,632	27	12,500	29
	13,004	10	12,935	13	12,780	15	12,635	15	12,480	15
	13,074	19	12,922	17	12,765	15	12,620	14	12,468	11
	13,065	18	12,905	19	12,750	14	12,608	21	12,454	19
	13,037	19	12,886	19	12,736	19	12,595	18	12,435	19
	13,018	19	12,867	16	12,717	19	12,578	16	12,416	19
	12,989	9	12,849	19	12,688	19	12,548	19	12,397	19
	12,960	5	12,830	5	12,670	5	12,529	5	12,376	5
	Plug to Plug	137	Plug to Plug	165	Plug to Plug	140	Plug to Plug	132	Plug to Plug	150
	Frac Plug	13,102	Frac Plug	12,985	Frac Plug	12,890	Frac Plug	12,690	Frac Plug	12,498
	Total Shots	44	Total Shots	44	Total Shots	44	Total Shots	44	Total Shots	44

	Distance Between Perfs	Shots	Distance Between Perfs	Shots	Distance Between Perfs	Shots	Distance Between Perfs	Shots	Distance Between Perfs	Shots
From Bottom to Top	12,342	36	12,192	35	12,032	26	11,897	30	11,732	45
	12,330	13	12,180	20	12,040	19	11,885	15	11,720	18
	12,318	19	12,180	20	12,021	21	11,870	18	11,702	14
	12,297	13	12,140	15	12,000	17	11,852	22	11,690	15
	12,284	16	12,125	15	11,983	13	11,830	16	11,673	15
	12,266	19	12,110	14	11,970	24	11,814	18	11,658	18
	12,247	19	12,088	16	11,948	19	11,788	21	11,632	16
	12,228	5	12,078	5	11,927	5	11,777	5	11,628	5
	Plug to Plug	158	Plug to Plug	140	Plug to Plug	155	Plug to Plug	155	Plug to Plug	140
	Frac Plug	12,358	Frac Plug	12,290	Frac Plug	12,080	Frac Plug	11,905	Frac Plug	11,740
	Total Shots	44	Total Shots	44	Total Shots	44	Total Shots	44	Total Shots	44

	Distance Between Perfs	Shots	Distance Between Perfs	Shots	Distance Between Perfs	Shots	Distance Between Perfs	Shots	Distance Between Perfs	Shots
From Bottom to Top	11,992	34	11,432	44	11,302	28	11,140	35	10,992	32
	11,982	18	11,420	20	11,288	18	11,128	16	10,978	15
	11,964	19	11,400	10	11,280	19	11,110	16	10,964	15
	11,945	19	11,380	10	11,260	22	11,094	13	10,940	16
	11,930	13	11,360	20	11,228	18	11,081	19	10,923	21
	11,913	14	11,340	16	11,212	12	11,062	19	10,912	19
	11,898	23	11,324	14	11,200	25	11,043	19	10,893	19
	11,878	5	11,330	5	11,175	5	11,024	5	10,874	5
	Plug to Plug	160	Plug to Plug	130	Plug to Plug	163	Plug to Plug	157	Plug to Plug	51
	Frac Plug	11,690	Frac Plug	11,440	Frac Plug	11,318	Frac Plug	11,157	Frac Plug	11,000
	Total Shots	44	Total Shots	44	Total Shots	44	Total Shots	44	Total Shots	44