

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTNM OIL CONSERVATION
ARTESIA DISTRICT
OCD Artesia
OCT 11 2016
RECEIVEDFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM115413 BH / NMNM 115414-51a. 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 LLCContact: STORMI DAVIS
E-Mail: sdavis@concho.com8. Lease Name and Well No.
ADMIRAL FEDERAL COM 2H3. Address 2208 WEST MAIN
ARTESIA, NM 882103a. Phone No. (include area code)
Ph: 575-748-69469. API Well No.
30-015-428204. Location of Well (Report location clearly and in accordance with Federal requirements)*
Sec 28 T25S R29E Mer NMP
At surface SWSE 190FSL 1980FEL10. Field and Pool, or Exploratory
WILDCAT; WOLFCAMPAt top prod interval reported below
Sec 21 T25S R29E Mer NMP
At total depth NWNE 341FNL 1986FEL11. Sec., T., R., M., or Block and Survey
or Area Sec 28 T25S R29E Mer NMP12. County or Parish
EDDY13. State
NM14. Date Spudded
02/13/201615. Date T.D. Reached
03/24/201616. Date Completed
☐ D & A ☒ Ready to Prod.
05/19/201617. Elevations (DF, KB, RT, GL)*
2988 GL18. Total Depth: MD 20131
TVD 1029119. Plug Back T.D.: MD 20010
TVD 1028920. Depth Bridge Plug Set: MD 20010
TVD 1028921. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CNL, SONIC, LATEROLOG22. 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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	54.5	0	640		625		0	
12.250	9.625 P110	47.0	0	9521	3040	4546		0	
8.500	5.500 P110	20.0	0	20131		3850		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	9723	9705						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	10454	19985	10454 TO 19985	0.430	2304	OPEN
B)			20025 TO 20036		60	UNDER CBP @ 20010'
C)						
D)						

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

Depth Interval	Amount and Type of Material
10454 TO 19985	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
05/26/2016	06/01/2016	24	→	862.0	1767.0	2690.0		
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
27/64	SI 2500		→	862	1767	2690		POW

ACCEPTED FOR RECORD
FLOWS FROM WELL
AUG 10 2016
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

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

ELECTRONIC SUBMISSION #340913 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Reclamation Date: 12/1/16

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
LAMAR	2983	3030		RUSTLER	604
BELL CANYON	3031	3874		TOP OF SALT	804
CHERRY CANYON	3875	5126		BOTTOM OF SALT	2819
BRUSHY CANYON	5127	6713		LAMAR	2983
BONE SPRING LM	6714	7661		BELL CANYON	3031
1ST BONE SPRING	7662	9098		CHERRY CANYON	3875
CHARKEY	9099	9556		BRUSHY CANYON	5127
3RD BONE SPRING	9557	9941		BONE SPRING LM	6714

32. Additional remarks (include plugging procedure):
Surveys & perms/stimulation are attached.

Additional Tops:
Wolfcamp 9942'

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 #340913 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by DEBORAH HAM on 06/10/2016 ()

Name (please print) STORMI DAVIS

Title PREPARER

Signature (Electronic Submission)

Date 06/02/2016

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.

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

Admiral Federal Com #2H

30-015-42820

Sec 28-T255-R29E

<u>Perfs</u>	<u>7 1/2% Acid (Gal)</u>	<u>Sand (#)</u>	<u>Fluid (Gal)</u>
1	1512	300701	285138
2	2982	301765	316806
3	3024	302642	325836
4	3024	300941	336924
5	3024	301450	327978
6	3024	300012	362040
7	3024	299843	385182
8	3066	300701	351666
9	3066	301198	315462
10	3066	299913	352884
11	3066	301680	322602
12	3024	299649	307482
13	3024	253709	283920
14	2982	262534	279216
15	3024	298943	312438
16	3024	302034	305508
17	3024	299794	302274
18	3024	300375	300132
19	3024	302814	512862
20	2982	300417	433440
21	3108	299780	308868
22	3024	300869	300300
23	3024	299105	296436
24	3066	301147	299712
25	3066	300878	302232
26	3024	300717	290934
27	3024	300246	292446
28	3024	301238	291270
29	2982	300981	288246
30	3066	300678	288708
31	3024	303454	294168
32	3066	299680	292656
33	3024	301605	289842
34	2982	300157	292320
35	3024	300784	333144
36	3066	301256	286440
37	3024	299950	285390
38	3024	300822	286734
39	3024	300728	286944
40	2982	300128	286272
41	3192	303013	286020
42	3108	301802	296646
43	3066	300010	285978
44	3024	300066	284970
45	1512	301999	443184

Admiral Federal Com #2H**30-015-42820****Sec 28-T255-R29E**

<u>Perfs</u>	<u>7.1/2% Acid (Gal)</u>	<u>Sand (#)</u>	<u>Fluid (Gal)</u>
46	3066	297068	284508
47	3066	301651	284340
48	3024	299929	281652
49	3024	298959	282996
50	3024	243251	327684
51	3024	299620	338520
52	3024	299640	279720
53	3024	301361	284676
54	3066	300749	281946
55	3066	285172	273252
56	3066	300021	284088
57	3066	300104	283416
58	2982	300258	275898
59	3024	298868	278964
60	3024	301762	282072
61	3066	300237	279174
62	4578	300657	285264
63	2856	300813	279006
64	2856	315441	287070
	192,486	19,097,769	19,663,896

Date	14/02/2018	
Pressure test	9500	
Well Name/number	Admiral Fed Com #2H1	
Casing 1 size	6 1/2	Casing 2 size
Capacity-bbls/lin. ft	0.6222	Capacity-bbls/lin. ft
Top of Casing	6	Top of Casing
TD of casing	20,083	TD of casing
TVD	310262	
AFE	4998	

Proppant Database

1	Treated Water
2	7.5% Acid
3	Slickwater
4	Water Frac R-7
5	Water Frac H-3
6	Water Frac R11
7	Water Frac G-R(3)
8	
8	
10	
11	

1	100 Mesh	1	Losurf-360
2	40/70 White	2	Clay Web
3		3	DCA 2300
4		4	Opticoen-WF
5		5	Scalstro
6		6	Parasorb
7		7	Scalecheck
8		8	WG-36
		9	Oprita H.T.E.
		10	SP Breaker

Shallowest Plug			10,579			11			12			13			14			15		
From Bottom to Top	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					
	10,985	50	14	10,835	60	14	10,681	53	14	10,530	50	14	10,388	50	14					
	10,935	50	12	10,780	52	12	10,630	50	12	10,480	53	12	10,336	49	12					
	10,885		10	10,734		10	10,586		10	10,438		10	10,287		10					
	Plug to Plug	180	28	Plug to Plug	139	36	Plug to Plug	160	30	Plug to Plug	135	36	Plug to Plug	155	36					
	Free Plug	20,010	Total Shots	Free Plug	19,000	Total Shots	Free Plug	19,711	Total Shots	Free Plug	19,551	Total Shots	Free Plug	19,481	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	19,234	53	14	19,087	50	14	19,934	53	14	19,787	50	14	19,639	50	14
	19,167	50	12	19,037	50	12	19,867	50	12	19,737	49	12	19,589	50	12
	19,137		15	18,987		210	19,837		10	19,689		10	19,539		110
Plug to Plug	142	36	Plug to Plug	157	36	Plug to Plug	145	38	Plug to Plug	154	38	Plug to Plug	142	36	
Free Plug	19,291	Total Shots	Free Plug	19,119	Total Shots	Free Plug	19,962	Total Shots	Free Plug	19,812	Total Shots	Free Plug	19,643	Total Shots	

	Stage 11	Distance Between Pairs	Shots	Stage 12	Distance Between Pairs	Shots	Stage 13	Distance Between Pairs	Shots	Stage 14	Distance Between Pairs	Shots	Stage 15	Distance Between Pairs	Shots
From Bottom to Top	18,488	50	14	18,334	54	14	18,189	49	14	18,043	48	14	17,889	50	14
	18,438	50	12	18,284	50	12	18,139	50	12	17,987	48	12	17,839	50	12
	18,388		10	18,238		10	18,089		10	17,939		10	17,789		10
			8			8			8			8			8
			6			6			6			6			6
			4			4			4			4			4
			2			2			2			2			2
			0			0			0			0			0
			0			0			0			0			0
			0			0			0			0			0
Plug to Plug Free Plug	158	38	Plug to Plug Free Plug	143	35	Plug to Plug Free Plug	158	38	Plug to Plug Free Plug	147	38	Plug to Plug Free Plug	153	38	Plug to Plug Free Plug
	18,214	Total Shots		18,383	Total Shots		18,220	Total Shots		18,084	Total Shots		17,917	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	17,739	50	14	17,590	50	14	17,440	50	14	17,290	47	14	17,141	50	14
	17,893	53	12	17,540	50	12	17,390	52	12	17,240	49	12	17,091	48	12
	17,840		10	17,490		10	17,337		10	17,181		10	17,043		10
	Plug to Plug	149	38	Plug to Plug	154	38	Plug to Plug	148	38	Plug to Plug	157	38	Plug to Plug	142	38
	Frac Plug	17,784	Total Shots	Frac Plug	17,819	Total Shots	Frac Plug	17,461	Total Shots	Frac Plug	17,315	Total Shots	Frac Plug	17,158	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	18,080	54	14	18,541	50	14	18,623	48	14	18,542	50	14	18,304	48	14
	18,041	50	12	18,701	50	12	18,842	50	12	18,542	50	12	18,342	50	12
	18,891	10	10	18,741	10	10	18,502	10	10	18,442	10	10	18,292	10	10
	Plug to Plug	142	38	Plug to Plug	150	38	Plug to Plug	145	38	Plug to Plug	154	38	Plug to Plug	150	38
	Edge Plug	18,080	Total Shots	Edge Plug	18,541	Total Shots	Edge Plug	18,623	Total Shots	Edge Plug	18,542	Total Shots	Edge Plug	18,304	Total Shots

From Bottom to Top	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	
	16,242	50	142	15,993	50	141	15,943	50	141	15,793	50	141	15,644	49	141	
	16,193	50	121	15,940	47	121	15,893	50	121	15,747	54	121	15,594	50	121	
	16,143		110	15,893		110	15,843		110	15,693		110	15,544		101	
Plug to Plug	149	36	Plug to Plug	149	36	Plug to Plug	152	36	Plug to Plug	149	36	Plug to Plug	153	36		
Frac Plug	15,287	Total Shots		Frac Plug	15,114	Total Shots	Frac Plug	15,070	Total Shots	Frac Plug	15,010	Total Shots	Frac Plug	15,001	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	15,494	50	141	15,344	50	141	15,185	40	141	15,045	55	142	14,895	50	141				
	15,449	55	142	15,394	50	142	15,145	45	142	14,995	80	142	14,845	48	142				
	15,394		101	15,244		101	15,100		101	14,945		107	14,797		107				
Plug to Plug	147		38	Plug to Plug	153		30	Plug to Plug	148		158		38	Plug to Plug	142		38		
Free Plug	15,614		Total Shots	Free Plug	15,369		Total Shots	Free Plug	15,318		Total Shots	Free Plug	15,070		Total Shots	Free Plug	14,812		Total Shots

Spot Acid Bbls	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
	14,749	52	14	14,506	50	14	14,444	53	14	14,290	50	14	14,150	48	14
	14,695	49	12	14,646	49	12	14,396	50	12	14,246	50	12	14,296	40	12
	14,646		10	14,497		10	14,346		10	14,196		10	14,047		10
Plug to Plug	157	36		Plug to Plug	142	36	Plug to Plug	142	36	Plug to Plug	157	36	Plug to Plug	147	36
Frac Plug	14,770	Total Shots		Frac Plug	14,813	Total Shots	Frac Plug	14,671	Total Shots	Frac Plug	14,329	Total Shots	Frac Plug	14,172	Total Shots

From Bottom to Top	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
	13,997	50	14	13,649	48	14	13,697	50	14	13,548	50	14	13,398	50	14
	13,947	50	12	13,798	49	12	13,648	50	12	13,492	44	12	13,348	50	12
	13,097		10	13,747		10	13,598		10	13,448		10	13,298		10
Plug to Plug	153	36		Plug to Plug	148	36	Plug to Plug	151	36	Plug to Plug	150	36	Plug to Plug	153	36
Frac Plug	14,028	Total Shots		Frac Plug	13,873	Total Shots	Frac Plug	13,724	Total Shots	Frac Plug	13,673	Total Shots	Frac Plug	13,623	Total Shots

From Bottom to Top	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
	13,248	50	14	13,092	50	14	12,949	50	14	12,799	47	14	12,650	49	14
	13,195	45	12	13,040	50	12	12,899	53	12	12,740	50	12	12,600	47	12
	13,140		10	12,990		10	12,848		10	12,690		10	12,550		10
Plug to Plug	148	36		Plug to Plug	150	36	Plug to Plug	150	36	Plug to Plug	157	36	Plug to Plug	142	36
Frac Plug	13,270	Total Shots		Frac Plug	13,124	Total Shots	Frac Plug	12,974	Total Shots	Frac Plug	12,824	Total Shots	Frac Plug	12,673	Total Shots

From Bottom to Top	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
	12,593	53	14	12,380	50	14	12,197	53	14	12,031	50	14	11,801	50	14
	12,450	50	12	12,300	50	12	12,151	50	12	12,031	50	12	11,858	49	12
	12,400		10	12,250		10	12,101		10	11,951		10	11,801		10
Plug to Plug	160	36		Plug to Plug	145	36	Plug to Plug	147	36	Plug to Plug	152	36	Plug to Plug	150	36
Frac Plug	12,528	Total Shots		Frac Plug	12,385	Total Shots	Frac Plug	12,235	Total Shots	Frac Plug	12,078	Total Shots	Frac Plug	11,928	Total Shots

From Bottom to Top	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
	11,781	50	14	11,602	50	14	11,452	50	14	11,302	50	14	11,153	49	14
	11,701	42	12	11,558	53	12	11,402	50	12	11,249	47	12	11,103	50	12
	11,652		10	11,509		10	11,352		10	11,204		10	11,053		10
Plug to Plug	149	36		Plug to Plug	150	36	Plug to Plug	150	36	Plug to Plug	150	36	Plug to Plug	151	36
Frac Plug	11,778	Total Shots		Frac Plug	11,627	Total Shots	Frac Plug	11,477	Total Shots	Frac Plug	11,327	Total Shots	Frac Plug	11,177	Total Shots

From Bottom to Top	Stage 61	Distance Between Perfs	Shots	Stage 62	Distance Between Perfs	Shots	Stage 63	Distance Between Perfs	Shots	Stage 64	Distance Between Perfs	Shots		Distance Between Perfs	Shots
	11,093	50	14	10,953	50	14	10,793	50	14	10,644	45	14			
	10,957	54	12	10,803	50	12	10,654	55	12	10,504	50	12			
	10,903		10	10,753		10	10,599		10	10,454		10			
Plug to Plug	148	36		Plug to Plug	154	36	Plug to Plug	145	36	Plug to Plug	148	36	Plug to Plug		
Frac Plug	11,028	Total Shots		Frac Plug	10,878	Total Shots	Frac Plug	10,724	Total Shots	Frac Plug	10,578	Total Shots	Frac Plug		Total Shots