

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NMOC
Artesia

NM OIL CONSERVATION
ARTESIA DISTRICT
AUG 29 2017

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

Lease Serial No.
NMLC029020M

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 OPERATING LLC			8. Lease Name and Well No. CARMEN 3 FEDERAL COM 13H		
Contact: KANICIA CASTILLO E-Mail: kcastillo@concho.com					
3. Address 600 W ILLINOIS AVENUE MIDLAND, TX 79701			9. API Well No. 30-015-43644-00-S1		
3a. Phone No. (include area code) Ph: 432-685-4332					
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SENE 1650FNL 150FEL At top prod interval reported below SENE 1677FNL 330FEL At total depth SWNW 1691FNL 229FWL			10. Field and Pool, or Exploratory LOCO HILLS-GLORIETA-YESO		
			11. Sec., T., R., M., or Block and Survey or Area Sec 3 T17S R30E Mer NMP		
			12. County or Parish EDDY		13. State NM
14. Date Spudded 01/14/2017		15. Date T.D. Reached 01/27/2017	16. Date Completed ☐ D & A ☒ Ready to Prod. 04/07/2017		17. Elevations (DF, KB, RT, GL)* 3752 GL
18. Total Depth: MD 9463 TVD 4734		19. Plug Back T.D.: MD 9395 TVD 4734		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CN			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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J-55	54.5	0	368		700		0	
12.250	9.625 J-55	40.0	0	1473		1715		0	
8.750	7.000 L-80	29.0	0	4052				0	
8.750	5.000 L-80	17.0	4052	9463		2800		4052	

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	4143							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	4752	9372	4752 TO 9372	0.430	936	OPEN - Yeso
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
4752 TO 9372	ACIDIZE W/ 102,816 15% ACID, FRAC W/ 304,458 GALS TREATED WATER, 5,140,422 GALS SLICK WATER,

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
04/07/2017	04/12/2017	24	→	222.0	178.0	1397.0	38.2	0.60	ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI	70.0	→	222	178	1397	802	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	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

ACCEPTED FOR RECORD
(ORIG. SGD.) DAVID R. GLASS

AUG 09 2017

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

ELECTRONIC SUBMISSION #376435 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** PETROLEUM ENGINEER

RECLAMATION DUE:
OCT 07 2017

NG

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	417	526	ANHYDRITE	RUSTLER	417
QUEEN	2333	2755	SANDSTONE	TOP SALT	526
GRAYBURG	2755	3052	DOLOMITE & ANHYDRITE	TANSILL	1326
SAN ANDRES	3052	4562	DOLOMITE & ANHYDRITE	YATES	1432
PADDOCK	4562	9463	DOLOMITE	SEVEN RIVERS	1726
YESO	4752	9372	OIL/GAS/WATER	QUEEN	2333
				GRAYBURG	2755
				SAN ANDRES	3052
				PADDOCK	4562

32. Additional remarks (include plugging procedure):
Logs will be submitted in WIS.

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 #376435 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by DEBORAH HAM on 07/17/2017 (17DMH0123SE)

Name (please print) KANICIA CASTILLOTitle PREPARER

Signature _____ (Electronic Submission)

Date 05/16/2017

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 ****

CARMEN 3 FED COM #13H

Date	Depth	Deviation	Direction	TVD
1/14/2017	204	0.90	0.00	0.00
1/14/2017	343	1.30	0.00	0.00
1/16/2017	487	1.00	0.00	0.00
1/16/2017	762	0.70	0.00	0.00
1/16/2017	920	1.00	0.00	0.00
1/17/2017	1179	0.90	0.00	0.00
1/19/2017	1503	0.70	88.30	0.00
1/20/2017	1594	2.00	91.70	1593.84
1/20/2017	1685	2.20	92.60	1684.77
1/20/2017	1776	2.10	93.20	1775.00
1/20/2017	1867	3.10	93.60	1866.00
1/20/2017	2143	2.50	89.90	2142.20
1/20/2017	2234	2.20	85.90	2233.20
1/20/2017	2325	2.00	85.90	2324.10
1/20/2017	2418	3.20	92.80	2417.00
1/20/2017	2509	3.00	93.00	2507.90
1/20/2017	2753	3.20	103.30	2751.50
1/20/2017	2848	3.20	104.00	2846.42
1/20/2017	2943	3.00	103.80	2941.28
1/21/2017	3038	3.00	103.90	3036.15
1/21/2017	3133	3.00	103.00	3131.02
1/21/2017	3228	3.00	103.30	3225.59
1/21/2017	3323	3.00	105.40	3320.70
1/21/2017	3418	2.90	107.10	0.00
1/21/2017	3512	2.90	108.80	0.00
1/21/2017	3607	2.80	109.50	0.00
1/21/2017	3702	2.70	111.60	0.00
1/21/2017	3797	2.60	110.60	0.00
1/21/2017	4018	0.40	121.50	4015.00
1/21/2017	4050	0.20	120.80	4047.00
1/21/2017	4082	0.80	270.70	4079.05
1/21/2017	4113	3.00	268.30	4110.30
1/21/2017	4145	6.10	268.10	4141.93
1/21/2017	4208	13.00	269.50	4204.00
1/22/2017	4272	20.30	272.70	4265.30
1/22/2017	4424	31.40	269.90	4349.80
1/22/2017	4461	42.80	268.00	4425.00
1/22/2017	4556	46.60	268.10	4492.00
1/22/2017	4619	46.50	269.10	0.00
1/22/2017	4651	46.50	269.60	0.00
1/22/2017	4683	47.50	269.30	0.00
1/22/2017	4935	72.70	271.00	0.00

Date	Depth	Deviation	Direction	TVD
1/22/2017	4967	76.00	270.30	0.00
1/22/2017	5030	81.00	271.00	4726.10
1/22/2017	5062	83.20	271.00	4730.50
1/22/2017	5093	86.70	270.40	4753.20
1/23/2017	5255	91.60	269.80	4731.80
1/23/2017	5350	91.80	270.30	0.00
1/23/2017	5445	91.30	270.30	0.00
1/23/2017	5540	90.80	270.50	0.00
1/23/2017	5824	90.50	271.10	4720.40
1/23/2017	5919	89.40	269.20	4720.50
1/23/2017	6014	89.40	269.50	4721.50
1/23/2017	6109	88.90	269.60	4722.90
1/24/2017	6204	90.20	268.60	4723.70
1/24/2017	6299	89.20	268.10	4724.00
1/24/2017	6393	90.30	269.00	4724.60
1/24/2017	6488	90.80	269.60	4723.70
1/24/2017	6583	90.40	269.60	0.00
1/24/2017	6678	90.20	270.10	0.00
1/24/2017	6773	90.30	270.30	0.00
1/24/2017	6868	89.50	270.50	0.00
1/24/2017	6962	90.50	269.60	4721.90
1/24/2017	7057	90.90	269.90	4720.70
1/24/2017	7152	90.50	270.30	4719.60
1/24/2017	7247	92.40	269.70	4717.20
1/25/2017	7342	90.90	268.80	4714.00
1/25/2017	7457	89.30	268.00	6714.00
1/25/2017	7531	90.40	269.40	4714.50
1/25/2017	7626	90.90	270.30	4713.50
1/25/2017	7721	90.10	270.00	0.00
1/25/2017	7816	89.80	270.30	0.00
1/25/2017	7911	91.20	269.80	4711.90
1/25/2017	8005	91.10	270.10	4710.00
1/25/2017	8100	91.30	270.30	4708.00
1/26/2017	8290	90.10	269.20	0.00
1/26/2017	8384	90.80	268.40	4704.60
1/26/2017	8479	90.40	268.30	0.00
1/26/2017	8573	91.10	269.50	0.00
1/26/2017	8668	91.40	269.80	0.00
1/26/2017	8763	91.30	270.10	0.00
1/26/2017	8857	91.20	270.60	0.00
1/26/2017	8952	90.50	268.80	4694.60
1/26/2017	9047	89.30	268.50	4694.80
1/27/2017	9141	91.00	268.00	4694.50
1/27/2017	9235	90.70	267.90	4693.10

EOF