NM OIL CONSERVATION
ARTESIA DISTRICT
OCD Artesia
MAR 08 2018
RECEIVED

Form 3160-4
(August 2007)

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

5 Lease Serial No
NMNM104667

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
NM-137494

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

8 Lease Name and Well No
CAVERNS FEDERAL COM 4H

3 Address 2208 WEST MAIN
ARTESIA, NM 88210

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

9 API Well No
30-015-43291 SI

4 Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface Sec 21 T26S R25E Mer NMP NWNW 400FNL 460FWL
At top prod interval reported below Sec 33 T26S R25E Mer NMP
At total depth Lot 4 213FSL 372FWL

10 Field and Pool, or Exploratory
PURPLE SAGE, WOLFCAMP

11 Sec , T , R , M , or Block and Survey or Area Sec 21 T26S R25E Mer NMP

12 County or Parish
EDDY

13 State
NM

14 Date Spudded
03/20/2017

15 Date T D Reached
04/26/2017

16 Date Completed
☐ D & A ☒ Ready to Prod
07/12/2017

17 Elevations (DF, KB, RT, GL)*
3727 GL

18 Total Depth MD 19315 TVD 7500

19 Plug Back T D MD 19195 TVD 7502

20 Depth Bridge Plug Set MD 19195 TVD 7502

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
26 000	20 000 J55	94 0	0	386		750		0	
17 500	13 375 J55	54 5	0	1240		950		0	
12 250	9 625 L80	47 0	0	6830		1125		0	
8 500	5 500 P110	20 0	0	19315		3350		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	6954	6944						

25 Producing Intervals

	Formation	Top	Bottom
A)	WOLFCAMP	7617	19170
B)			
C)			
D)			

26 Perforation Record

Perforated Interval	Size	No Holes	Perf Status
7617 TO 19115	0 430	3388	OPEN
19160 TO 19170		60	OPEN

27 Acid Fracture, Treatment, Cement Squeeze, Etc

Depth Interval	Amount and Type of Material
7617 TO 19115	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
07/17/2017	10/14/2017	24	→	61 0	5762 0	4987 0			FLOWS FROM WELL

Choke Size	Tbg Press Flwg 460 SI	Csg Press 380 0	24 Hr Rate →	Oil BBL 61	Gas MCF 5762	Water BBL 4987	Gas Oil Ratio	Well Status 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

ACCEPTED FOR RECORD
MAR - 3 2018
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #394494 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Reclamation Due: 4/14/2018

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	1245	1295		TOS	389
BELL CANYON	1296	2118		BOS	1020
CHERRY CANYON	2119	3232		LAMAR	1245
BRUSHY CANYON	3233	4629		BELL CANYON	1296
BONE SPRING LM	4630	5374		CHERRY CANYON	2119
1ST BONE SPRING	5375	5840		BRUSHY CANYON	3233
2ND BONE SPRING	5841	6959		BONE SPRING LM	4630
3RD BONE SPRING	6960	7252		1ST BONE SPRING	5375

32 Additional remarks (include plugging procedure)
Additional Tops

2nd Bone Spring 5841
3rd Bone Spring 6960
Wolfcamp 7253
Penn 7826'

AMENDED TO CHANGE ITEM #46 - TEST DATA

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 #394494 Verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by DEBORAH HAM on 11/13/2017 ()

Name *(please print)* STORMI DAVIS Title PREPARER

Signature (Electronic Submission) Date 11/09/2017

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 fradulent statements or representations as to any matter within its jurisdiction

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