

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM1235351a. 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: AMANDA AVERY
E-Mail: aavery@concho.com8. Lease Name and Well No.
BROT HELM FEDERAL COM 701H3. Address ONE CONCHO CENTER 600 W ILLINOIS AVENUE
MIDLAND, TX 79701-42873a. Phone No. (include area code)
Ph: 575-748-69409. API Well No.
30-025-46068-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface NENE 250FNL 437FEL 32.180560 N Lat, 103.433653 W Lon
At top prod interval reported below NENE 250FNL 437FEL 32.180560 N Lat, 103.433653 W Lon
At total depth SESE 52FSL 506FEL 32.152374 N Lat, 103.433850 W Lon10. Field and Pool, or Exploratory
WC025G09S253402N-WOLFCAMP11. WILDCAT, M., or Block and Survey
or Area Sec 35 T24S R34E Mer NMP12. County or Parish
LEA13. State
NM14. Date Spudded
08/12/201915. Date T.D. Reached
09/29/201916. Date Completed
☐ D & A ☒ Ready to Prod.
04/11/202017. Elevations (DF, KB, RT, GL)*
3421 GL18. Total Depth: MD 23035
TVD 1292319. Plug Back T.D.: MD 22960
TVD 1292320. Depth Bridge Plug Set: MD 22960
TVD 12923

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

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 J55	61.0	0	1116		964		0	
12.250	9.625 J55	40.0	0	12151		3075		0	
8.500	5.500 P110	40.0	0	23035		4175		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	12218	12208						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	13065	22840	13065 TO 22840			OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
13065 TO 22840	132,048 GAL 7 1/2%, 19,689,190# SAND, 20,070,682 GAL FLUID

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
04/25/2020	04/25/2020	24	→	135.0	599.0	3492.0			GAS LIFT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
20/48	SI 3674	289.0	→	135	599	3492		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.	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 #515008 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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	954			RUSTLER	954
TOP OF SALT	1474			TOP OF SALT	1474
BASE OF SALT	5220			BASE OF SALT	5220
LAMAR	5515			LAMAR	5515
BELL CANYON	5563			BELL CANYON	5563
CHERRY CANYON	6517			CHERRY CANYON	6517
BRUSHY CANYON	8116			BRUSHY CANYON	8116
BONE SPRING 2ND	9284			BONE SPRING 2ND	9284

32. Additional remarks (include plugging procedure):

FIRST BONE SPRING 10585
SECOND BONE SPRING 11123
THIRD BONE SPRING 12229
WOLFCAMP 12772

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 #515008 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Hobbs
Committed to AFMSS for processing by DEBORAH HAM on 06/03/2020 (20DMH0076SE)

Name (please print) AMANDA AVERYTitle REGULATORY ANALYST

Signature _____ (Electronic Submission)

Date 05/12/2020

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 ****

Revisions to Operator-Submitted EC Data for Well Completion #515008

	Operator Submitted	BLM Revised (AFMSS)
Lease:	NMNM123535	NMNM123535
Agreement:		
Operator:	COG OPERATING LLC 2208 W MAIN STREET ARTESIA, NM 88210 Ph: 575-748-6940	COG OPERATING LLC ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701-4287 Ph: 432.685.4342
Admin Contact:	AMANDA AVERY REGULATORY ANALYST E-Mail: aavery@concho.com Ph: 575-748-6940	AMANDA AVERY REGULATORY ANALYST E-Mail: aavery@concho.com Ph: 575-748-6940
Tech Contact:	AMANDA AVERY REGULATORY ANALYST E-Mail: aavery@concho.com Ph: 575-748-6940	AMANDA AVERY REGULATORY ANALYST E-Mail: aavery@concho.com Ph: 575-748-6940
Well Name: Number:	BROT HELM FEDERAL COM 701H	BROT HELM FEDERAL COM 701H
Location:		
State:	NM	NM
County:	LEA	LEA
S/T/R:	Sec 35 T24S R34E Mer NMP	Sec 35 T24S R34E Mer NMP
Surf Loc:	NENE Lot A 250FNL 437FEL 32.180560 N Lat, 103.433653 W Lon	NENE Lot A 250FNL 437FEL 32.180560 N Lat, 103.433653 W Lon
Field/Pool:	WC-025 G-09 S253402N; WC	WC025G09S253402N-WOLFCAMP
Logs Run:		
Producing Intervals - Formations:	WOLFCAMP	WOLFCAMP
Porous Zones:	RUSTLER TOP OF SALT BOTTOM OF SALT LAMAR BELL CANYON CHERRY CANYON BRUSHY CANYON BONE SPRING LIMESTONE	RUSTLER TOP OF SALT BASE OF SALT LAMAR BELL CANYON CHERRY CANYON BRUSHY CANYON BONE SPRING 2ND
Markers:	RUSTLER TOP OF SALT BOTTOM OF SALT LAMAR BELL CANYON CHERRY CANYON BRUSHY CANYON BONE SPRING LIMESTONE	RUSTLER TOP OF SALT BASE OF SALT LAMAR BELL CANYON CHERRY CANYON BRUSHY CANYON BONE SPRING 2ND