

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.
NMNM136223

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: **AMANDA AVERY**
E-Mail: **aavery@concho.com**

3. Address **ONE CONCHO CENTER 600 W ILLINOIS AVENUE** 3a. Phone No. (include area code)
MIDLAND, TX 79701-4287 Ph: **575-748-6940**

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface **NENE 450FNL 710FEL 32.121914 N Lat, 103.400383 W Lon**
Sec 19 T25S R35E Mer NMP
At top prod interval reported below **NENE 450FNL 710FEL**
Sec 19 T25S R35E Mer NMP
At total depth **SENE 2589FNL 1169FEL**
Sec 30 T25S R35E Mer NMP

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
PITCHBLENDE FED 19-30 038H

9. API Well No.
30-025-45653-00-S1

10. Field and Pool, or Exploratory
WILDCAT BONE SPRING

11. Sec., T., R., M., or Block and Survey or Area
UNKNOWN
Sec 19 T25S R35E Mer NMP

12. County or Parish
LEA

13. State
NM

14. Date Spudded
01/04/2020

15. Date T.D. Reached
02/04/2020

16. Date Completed
 D & A Ready to Prod.
10/23/2020

17. Elevations (DF, KB, RT, GL)*
3330 GL

18. Total Depth: MD **19991** TVD **12394**

19. Plug Back T.D.: MD **19830** TVD **12394**

20. Depth Bridge Plug Set: MD **19905** TVD **12394**

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
14.750	10.750 J55	45.5	0	1028		893		0	
8.750	7.625 P110	29.7	0	11820		1625		0	
6.750	5.500 P110	18.0	0	19976		1605		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	11558	11548						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
B) BRUSHY CANYON LOWER			12580 TO 19822			OPEN
B) DELAWARE	12580	19822				
C)						
D)						

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

Depth Interval	Amount and Type of Material
12580 TO 19822	57918 7 1/2%; 14,721,240# SAND; 14,875,619 GAL /CAT 3 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
11/12/2020	11/12/2020	24	→	1000.0	1920.0	2084.0			GAS LIFT
Choke Size	Tbg. Press. Flwg. 3990	Csg. Press. 3026.0	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
15/64	SI		→	1000	1920	2084	1920	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
11/12/2020	11/12/2020	24	→	1000.0	1920.0	2084.0			GAS LIFT
Choke Size	Tbg. Press. Flwg. 3990	Csg. Press. 3026.0	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
15/64	SI		→	1000	1920	2084		POW	

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

ELECTRONIC SUBMISSION #538873 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.)
CAPTURED

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	921			RUSTLER	921
TOP OF SALT	1443			TOP OF SALT	1443
BASE OF SALT	5157			BASE OF SALT	5157
LAMAR	5455			LAMAR	5455
BELL CANYON	5481			BELL CANYON	5481
CHERRY CANYON	6452			CHERRY CANYON	6452
BRUSHY CANYON	9119			BRUSHY CANYON	9119
BRUSHY CANYON A	9119			BRUSHY CANYON A	9119

32. Additional remarks (include plugging procedure):

BONE SPRING LIMESTONE 9299
 AVALON M 9685
 AVALON L 10083
 FIRST BONE SPRING 10469
 FIRST BONE SPRING SHALE 10642
 SECOND BONE SPRING 10985
 SECOND BONE SPRING BASE 11545
 THIRD BONE SPRING 12136

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 #538873 Verified by the BLM Well Information System.
 For COG OPERATING LLC, sent to the Hobbs
 Committed to AFMSS for processing by DEBORAH HAM on 12/12/2020 (21DMH0036SE)**

Name (please print) AMANDA AVERY Title REGULATORY ANALYST

Signature (Electronic Submission) Date 12/01/2020

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.

Additional data for transaction #538873 that would not fit on the form

32. Additional remarks, continued

V SAND 12356
THIRD BONE SPRING 12512

Revisions to Operator-Submitted EC Data for Well Completion #538873

	Operator Submitted	BLM Revised (AFMSS)
Lease:	NMNM136223	NMNM136223
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:	PITCHBLENDE 10 30 FEDERAL 38H	PITCHBLENDE FED 19-30 038H
Location: State: County: S/T/R: Surf Loc:	NM LEA Sec 19 T25S R35E Mer NMP Lot A 450FNL 710FEL	NM LEA Sec 19 T25S R35E Mer NMP NENE 450FNL 710FEL 32.121914 N Lat, 103.400383 W Lon
Field/Pool:	DOGIE DRAW	WILDCAT BONE SPRING
Logs Run:		
Producing Intervals - Formations:	DELAWARE	BRUSHY CANYON LOWER DELAWARE
Porous Zones:	RUSTLER TOP OF SALT BOTTOM OF SALT LAMAR BELL CANYON CHERRY CANYON BRUSHY CANYON BRUSHY CANYON A	RUSTLER TOP OF SALT BASE OF SALT LAMAR BELL CANYON CHERRY CANYON BRUSHY CANYON BRUSHY CANYON A
Markers:	RUSTLER TOP OF SALT BOTTOM OF SALT LAMAR BELL CANYON CHERRY CANYON BRUSHY CANYON BRUSHY CANYON A	RUSTLER TOP OF SALT BASE OF SALT LAMAR BELL CANYON CHERRY CANYON BRUSHY CANYON BRUSHY CANYON A