

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.
NMNM125658

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 MIDLAND, TX 79701-4287** 3a. Phone No. (include area code) **Ph: 575-748-6940**

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface **Sec 9 T25S R35E Mer NMP SESW 280FSL 1750FWL 32.138406 N Lat, 103.375369 W Lon**
At top prod interval reported below **Sec 9 T25S R35E Mer NMP SESW 280FSL 1750FWL 32.138406 N Lat, 103.375369 W Lon**
At total depth **Sec 4 T25S R35E Mer NMP Lot 3 205FNL 2225FWL 32.166165 N Lat, 103.373775 W Lon**

6. If Indian, Allottee or Tribe Name _____

7. Unit or CA Agreement Name and No. **NMNM139190**

8. Lease Name and Well No. **FEZ FEDERAL COM 601H**

9. API Well No. **30-025-45274-00-S1**

10. Field and Pool, or Exploratory **WC025G09S243532M-BONE SPRING**

11. Sec., T., R., M., or Block and Survey or Area **Sec 9 T25S R35E Mer NMP**

12. County or Parish **LEA** 13. State **NM**

14. Date Spudded **01/21/2019** 15. Date T.D. Reached **02/28/2019** 16. Date Completed D & A Ready to Prod. **11/10/2019**

17. Elevations (DF, KB, RT, GL)* **3244 GL**

18. Total Depth: MD **22213** TVD **12237** 19. Plug Back T.D.: MD **22051** TVD **12237** 20. Depth Bridge Plug Set: MD **22097** TVD **12237**

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	54.5	0	1080		915		0	
12.250	9.625 L80	47.0	0	11640	5253	2770		0	
8.500	5.500 P110	23.0	0	22213		3925		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	1145	11440						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFBONE			12460 TO 22072		1764	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
12460 TO 22072	SEE ATTACHED INFORMATION

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
11/23/2019	11/23/2019	24	→	686.0	580.0	1670.0			GAS LIFT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
20/64	SI 3100	1700.0	→	686	580	1670		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 #498144 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	810			RUSTLER	810
TOP OF SALT	1134			TOP OF SALT	1134
LAMAR	5318			LAMAR	5318
BELL CANYON	5351			BELL CANYON	5351
CHERRY CANYON	6282			CHERRY CANYON	6282
BRUSHY CANYON	7761			BRUSHY CANYON	7761
BONE SPRING 2ND	8997			BONE SPRING 2ND	8997
BONE SPRING 1ST	10317			BONE SPRING 1ST	10317

32. Additional remarks (include plugging procedure):
SECOND BONE SPRING 10801

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 #498144 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Hobbs
Committed to AFMSS for processing by DEBORAH HAM on 01/21/2020 (20DMH0035SE)**

Name (please print) AMANDA AVERY Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission) Date 01/07/2020

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.

Revisions to Operator-Submitted EC Data for Well Completion #498144

	Operator Submitted	BLM Revised (AFMSS)
Lease:	NMNM125658	NMNM125658
Agreement:	NMNM139190	NMNM139190 (NMNM139190)
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 AUTHORIZED REPRESENTATIVE 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 AUTHORIZED REPRESENTATIVE E-Mail: aavery@concho.com Ph: 575-748-6940
Well Name: Number:	FEZ FEDERAL COM 601H	FEZ FEDERAL COM 601H
Location:		
State:	NM	NM
County:	LEA	LEA
S/T/R:	Sec 9 T25S R35E Mer NMP	Sec 9 T25S R35E Mer NMP
Surf Loc:	SESW Lot N 280FSL 1750FWL 32.138406 N Lat, 103.375369 W Lon	SESW Lot N 280FSL 1750FWL 32.138406 N Lat, 103.375369 W Lon
Field/Pool:	WC-025 G-09 S243532M; WOL	WC025G09S243532M-BONE SPRING
Logs Run:		
Producing Intervals - Formations:	WOLFBONE	WOLFBONE
Porous Zones:	RUSTLER TOP OF SALT LAMAR BELL CANYON CHERRY CANYON BRUSHY CANYON BONE SPRING LIMESTONE FIRST BONE SPRING	RUSTLER TOP OF SALT LAMAR BELL CANYON CHERRY CANYON BRUSHY CANYON BONE SPRING 2ND BONE SPRING 1ST
Markers:	RUSTLER TOP OF SALT LAMAR BELL CANYON CHERRY CANYON BRUSHY CANYON BONE SPRING LIMESTONE FIRST BONE SPRING	RUSTLER TOP OF SALT LAMAR BELL CANYON CHERRY CANYON BRUSHY CANYON BONE SPRING 2ND BONE SPRING 1ST