

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM108973

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: 2208 W MAIN STREET ARTESIA, NM 88210 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 2 T26S R32E Mer NMP SESW Lot N 375FSL 1910FWL 32.066040 N Lat, 103.648080 W Lon
At top prod interval reported below Sec 2 T26S R32E Mer NMP SESW Lot N 375FSL 1910FWL 32.066040 N Lat, 103.648080 W Lon
At total depth NENW Lot C 51FNL 2300FWL 32.094113 N Lat, 103.646810 W Lon

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No. HARRIER FEDERAL COM 301H

9. API Well No. 30-025-45832

10. Field and Pool, or Exploratory JENNINGS UPPER BS SHALE

11. Sec., T., R., M., or Block and Survey or Area Sec 2 T26S R32E Mer NMP

12. County or Parish LEA 13. State NM

14. Date Spudded 06/28/2019 15. Date T.D. Reached 11/01/2019 16. Date Completed D & A Ready to Prod. 05/13/2020

17. Elevations (DF, KB, RT, GL)* 3253 GL

18. Total Depth: MD 19779 TVD 9563 19. Plug Back T.D.: MD 19618 TVD 9563 20. Depth Bridge Plug Set: MD 19646 TVD 9563

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	855		725		0	
12.250	9.625 J55	40.0	0	4619		1050		0	
8.750	5.500 P110	17.0	0	19762	8873	4105		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	9007	8997						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	9852	19556	9852 TO 19556		1044	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
9852 TO 19556	77389 7 1/2%, 19,600,180# SAND; 21,298,632 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
06/14/2020	06/14/2020	24	→	63.0	445.0	2280.0			GAS LIFT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
14/64	SI 1020	924.0	→	63	445	2280		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 #522745 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

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	644			RUSTLER	644
TOP OF SALT	1037			TOP OF SALT	1037
BOTTOM OF SALT	4372			BOTTOM OF SALT	4372
LAMAR	4602			LAMAR	4602
BELL CANYON	4648			BELL CANYON	4648
CHERRY CANYON	5625			CHERRY CANYON	5625
BRUSHY CANYON	7275			BRUSHY CANYON	7275
BONE SPRING LIMESTONE	8824			BONE SPRING LIMESTONE	8824

32. Additional remarks (include plugging procedure):

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 #522745 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Hobbs**

Name (please print) AMANDA AVERY Title REGULATORY ANALYST

Signature (Electronic Submission) Date 07/23/2020

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.

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