

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM18613A

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. _____

2. Name of Operator **COG OPERATING LLC** Contact: **AMANDA AVERY**
 E-Mail: **aavery@concho.com**

8. Lease Name and Well No.
QUIEN SABE FEDERAL COM 801H

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

9. API Well No.
30-015-46125-00-X1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface **Sec 24 T24S R27E Mer NMP**
NWNE 695FNL 2280FEL 32.208328 N Lat, 104.142835 W Lon
 At top prod interval reported below **Sec 24 T24S R27E Mer NMP**
NWNE 695FNL 2280FEL 32.208328 N Lat, 104.142835 W Lon
 At total depth **Sec 25 T24S R27E Mer NMP**
SESE 201FSL 307FEL 32.181685 N Lat, 104.136489 W Lon

10. Field and Pool, or Exploratory
PURPLE SAGE-WOLFCAMP (GAS)

11. Sec., T., R., M., or Block and Survey
 or Area **Sec 24 T24S R27E Mer NMP**

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

14. Date Spudded **08/18/2019** 15. Date T.D. Reached **10/21/2019** 16. Date Completed D & A Ready to Prod.
02/01/2020

17. Elevations (DF, KB, RT, GL)*
3123 GL

18. Total Depth: MD **19268** 19. Plug Back T.D.: MD **19050** 20. Depth Bridge Plug Set: MD **19185**
 TVD **9299** TVD **9299** TVD **9299**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
3123 GL

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	747		720		0	
12.250	9.625 L80	40.0	0	8691	2408	1375		0	
8.500	5.500 P110	20.0	0	19253		4495		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	8783	8773						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	9551	19090	9551 TO 19090		1344	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
9551 TO 19090	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
02/12/2020	02/12/2020	24	→	285.0	1363.0	3439.0			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 1750	250.0	→	285	1363	3439		PGW	

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 #507621 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

AB 6/23/2020

**** 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	580			RUSTLER	580
TOP SALT	748			TOP SALT	748
BASE OF SALT	2192			BASE OF SALT	2192
LAMAR	2399			LAMAR	2399
CHERRY CANYON	3192			CHERRY CANYON	3192
BRUSHY CANYON	4358			BRUSHY CANYON	4358
BONE SPRING LIME	5860			BONE SPRING LIME	5860
AVALON SAND	6590			AVALON SAND	6590

32. Additional remarks (include plugging procedure):

FIRST BONE SPRING 6909
SECOND BONE SPRING 7595
THIRD BONE SPRING 8913
WOLFCAMP 9354

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 #507621 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by VIOLETA BURKE on 06/09/2020 (20VB0288SE)**

Name (please print) AMANDA AVERY Title REGULATORY ANALYST

Signature (Electronic Submission) Date 03/18/2020

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 #507621

	Operator Submitted	BLM Revised (AFMSS)
Lease:	NMNM18613A	NMNM18613A
Agreement:		
Operator:	COG OPERATING LLC 2208 W MAIN STREET ARTESIA, NM 88210 Ph: 575-748-6940	COG OPERATING LLC 600 W ILLINOIS AVENUE MIDLAND, TX 79701 Ph: 432.685.4385
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:	QUIEN SABE FEDERAL COM 801H	QUIEN SABE FEDERAL COM 801H
Location:		
State:	NM	NM
County:	EDDY	EDDY
S/T/R:	Sec 24 T24S R27E Mer NMP	Sec 24 T24S R27E Mer NMP
Surf Loc:	NWNE Lot B 695FNL 2280FEL 32.208328 N Lat, 104.142835 W Lon	NWNE Lot B 695FNL 2280FEL 32.208328 N Lat, 104.142835 W Lon
Field/Pool:	PURPLE SAGE; WOLFCAMP	PURPLE SAGE-WOLFCAMP (GAS)
Logs Run:		3123 GL
Producing Intervals - Formations:	WOLFCAMP	WOLFCAMP
Porous Zones:	RUSTLER TOP OF SALT BOTTOM OF SALT LAMAR CHERRY CANYON BRUSHY CANYON BONE SPRING LIMESTONE AVALON	RUSTLER TOP SALT BASE OF SALT LAMAR CHERRY CANYON BRUSHY CANYON BONE SPRING LIME AVALON SAND
Markers:	RUSTLER TOP OF SALT BOTTOM OF SALT LAMAR CHERRY CANYON BRUSHY CANYON BONE SPRING LIMESTONE AVALON	RUSTLER TOP SALT BASE OF SALT LAMAR CHERRY CANYON BRUSHY CANYON BONE SPRING LIME AVALON SAND