

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION  
DISTRICT  
Artesia 3 2017

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMNM126965

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other  
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other \_\_\_\_\_

RECEIVED

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator  
COG OPERATING LLC  
Contact: STORMI DAVIS  
E-Mail: sdavis@concho.com

8. Lease Name and Well No.  
GRAHAM NASH FEDERAL COM 7H

3. Address 2208 WEST MAIN  
ARTESIA, NM 88210

3a. Phone No. (include area code)  
Ph: 575-748-6946

9. API Well No.  
30-015-43811

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
Sec 21 T26S R28E Mer NMP  
At surface SESW 200FSL 1550FWL

10. Field and Pool, or Exploratory  
HAY HOLLOW; BONE SPRING

At top prod interval reported below  
Sec 33 T26S R28E Mer NMP  
At total depth SENW Lot 2 208FSL 1938FWL

11. Sec., T., R., M., or Block and Survey  
or Area Sec 21 T26S R28E Mer NMP

12. County or Parish  
EDDY

13. State  
NM

14. Date Spudded  
02/13/2017

15. Date T.D. Reached  
02/28/2017

16. Date Completed  
☐ D & A ☒ Ready to Prod.  
05/18/2017

17. Elevations (DF, KB, RT, GL)\*  
2989 GL

18. Total Depth: MD 15208  
TVD 7853

19. Plug Back T.D.: MD 15050  
TVD 7858

20. Depth Bridge Plug Set: MD 15050  
TVD 7858

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
NONE

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	54.5	0	340		C 430		0	
12.250	9.625 J55	36.0	0	2363		C 875		0	
8.750	5.500 P110	17.0	0	15208		C 3045		1534	
CBP 8.750	5.50			15050					

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	7404	7394						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	8198	15025	8198 TO 15025	0.430	828	OPEN
B)			15075 TO 15085		60	UNDER CBP
C)						
D)						

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

Depth Interval	Amount and Type of Material
8198 TO 15025	SEE ATTACHED

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
05/19/2017	05/19/2017	24	→	8.0	0.0	1290.0		
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
	225	225.0	→	8	0	1290		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
			→					
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

ACCEPTED FOR RECORD  
FLOWS FROM WELL  
11/19/2017  
BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #378187 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Reclamation due 11/19/2017

## 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
LAMAR	2391	2423		RUSTLER	277
BELL CANYON	2424	3226		TOS	634
CHERRY CANYON	3227	4486		BOS	2209
BRUSHY CANYON	4487	6098		LAMAR	2391
BONE SPRING LM	6099	6992		BELL CANYON	2424
1ST BONE SPRING	6993	7675		CHERRY CANYON	3227
2ND BONE SPRING	7676	7899		BRUSHY CANYON	4487
				BONE SPRING LM	6099

32. Additional remarks (include plugging procedure):  
Surveys, perms & stimulation are attached.

Additional Tops:  
1st Bone Spring 6993'  
2nd Bone Spring 7676'

\*AMENDED TO CORRECT TUBING AND PACKER DEPTHS. (Original completion submitted 6/1/17)

## 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 #378187 Verified by the BLM Well Information System.  
For COG OPERATING LLC, sent to the Carlsbad  
Committed to AFMSS for processing by DEBORAH HAM on 07/17/2017 ()

Name (please print) STORMI DAVIS

Title PREPARER

Signature (Electronic Submission)

Date 06/07/2017

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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