

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Hobbs

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMNM0770901a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Otherb. 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 LLCContact: AMANDA AVERY  
E-Mail: aavery@concho.com8. Lease Name and Well No.  
MORTARBOARD FEDERAL COM 13H3. Address ONE CONCHO CENTER 600 W ILLINOIS AVENUE  
MIDLAND, TX 79701-42873a. Phone No. (include area code)  
Ph: 575-748-69409. API Well No.  
30-025-44725-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

Sec 1 T24S R34E Mer NMP

At surface Lot 3 210FNL 1980FWL 32.253234 N Lat, 103.425867 W Lon

Sec 1 T24S R34E Mer NMP

At top prod interval reported below Lot 3 210FNL 1980FWL 32.253234 N Lat, 103.425867 W Lon

Sec 12 T24S R34E Mer NMP

At total depth SENW 2433FNL 2001FWL 32.232601 N Lat, 103.425729 W Lon

10. Field and Pool, or Exploratory  
RED HILLS-BONE SPRING, NORTH11. Sec., T., R., M., or Block and Survey  
or Area Sec 1 T24S R34E Mer NMP12. County or Parish  
LEA13. State  
NM14. Date Spudded  
06/17/201815. Date T.D. Reached  
08/05/201816. Date Completed  
☐ D & A ☒ Ready to Prod.  
10/27/2018

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

18. Total Depth: MD 18995  
TVD 1186019. Plug Back T.D.: MD 18925  
TVD 1186020. Depth Bridge Plug Set: MD 18937  
TVD 1186021. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
300254472500S122. 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	854		625		0	
12.250	9.625 L80	40.0	0	5358	915	1450		0	
6.750	5.500 P110	23.0	0	10897				0	
8.750	7.625 L80	29.7	0	11431		825		0	
6.750	5.000 P110	18.0	10897	18985		1075		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	11063							

## 25. Producing Intervals

## 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	11826	18911	11826 TO 18911		1200	Producing
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
11826 TO 18911	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	Production Method
10/27/2018	10/27/2018	24	→	375.0	1134.0	1325.0			ACCEPTE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
20/64	3800	1350.0	→	375	1134	1325		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. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

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

ELECTRONIC SUBMISSION #448198 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

Reclamation Due: 4/27/2019

MAY 20 2019

RECEIVED

ACCEPTED FOR RECORD

MAY - 5 2019

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

## 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	798			RUSTLER	798
TOP OF SALT	1126			TOP OF SALT	1126
BASE OF SALT	4964			BASE OF SALT	4964
LAMAR	5333			LAMAR	5333
BELL CANYON	5358			BELL CANYON	5358
CHERRY CANYON	6279			CHERRY CANYON	6279
BRUSHY CANYON	7549			BRUSHY CANYON	7549
BONE SPRING LIME	8843			BONE SPRING LIME	8843

## 32. Additional remarks (include plugging procedure):

BONE SPRINGS 1ST 9900  
BONE SPRINGS 2ND 10380  
BONE SPRINGS 3RD 11359

## 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 #448198 Verified by the BLM Well Information System.  
For COG OPERATING LLC, sent to the Hobbs  
Committed to AFMSS for processing by DINAH NEGRETE on 04/19/2019 (19DCN0083SE)

Name (please print) AMANDA AVERYTitle AUTHORIZED REPRESENTATIVE

Signature \_\_\_\_\_ (Electronic Submission)

Date 12/18/2018

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.

**\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\***

DISTRICT I  
1625 N. FRENCH DR., HOBBES, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II  
811 S. FIRST ST., ARTESIA, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III  
1000 RIO BRAZOS RD., AZTEC, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV  
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 SOUTH ST. FRANCIS DR.  
Santa Fe, New Mexico 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-025-44725	Pool Code 96434	Pool Name Red Hills; Bone Spring, North
Property Code 321303	Property Name MORTARBOARD FEDERAL COM	Well Number 13H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3464.0'

**Surface Location**

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
3	1	24-S	34-E		210	NORTH	1980	WEST	LEA

**Bottom Hole Location If Different From Surface**

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	12	24-S	34-E		2433	NORTH	2001	WEST	LEA

Dedicated Acres 240	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

SEE PAGE 2



Intent ☐ As Drilled ☒

API #  
30-025-44725

Operator Name: COG OPERATING, LLC	Property Name: MORTARBOARD FEDERAL COM	Well Number 13H
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Kick Off Point (KOP)

UL 3	Section 1	Township 24-S	Range 34-E	Lot	Feet 194	From N/S NORTH	Feet 1963	From E/W WEST	County LEA
Latitude 32.253277					Longitude -103.425921			NAD 83	

First Take Point (FTP)

UL 3	Section 1	Township 24-S	Range 34-E	Lot	Feet 573	From N/S NORTH	Feet 1879	From E/W WEST	County LEA
Latitude 32.252237					Longitude -103.426189			NAD 83	

Last Take Point (LTP)

UL F	Section 12	Township 24-S	Range 34-E	Lot	Feet 2433	From N/S NORTH	Feet 2007	From E/W WEST	County LEA
Latitude 32.232829					Longitude -103.425711			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit? ☒

Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #

Operator Name:	Property Name:	Well Number
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KZ 06/29/2018