

# NM OIL CONSERVATION

ARTESIA DISTRICT

**QCD Artesia**  
MAY 18 2015

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 RECEIVED

5. Lease Serial No.  
NMNM67106

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.  
~~NMNM124833~~ NM 134094

8. Lease Name and Well No.  
HOOFPRINT FEDERAL COM 1H

9. API Well No.  
30-015-41620

10. Field and Pool, or Exploratory  
MESA VERDE; DELAWARE

11. Sec., T., R., M., or Block and Survey  
or Area Sec 12 T24S R31E Mer NMP

12. County or Parish  
EDDY

13. State  
NM

17. Elevations (DF, KB, RT, GL)\*  
3560 GL

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: STORMI DAVIS  
E-Mail: sdavis@concho.com

3. Address 2208 W MAIN ST  
ARTESIA, NM 88210

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

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

At surface SWSW 330FSL 430FWL

At top prod interval reported below

Sec 12 T24S R31E Mer NMP

At total depth NWNW 354FNL 391FWL

14. Date Spudded  
10/25/2014

15. Date T.D. Reached  
11/14/2014

16. Date Completed  
☐ D & A ☒ Ready to Prod.  
01/13/2015

18. Total Depth: MD 12739  
TVD 8295

19. Plug Back T.D.: MD 12675  
TVD 8295

20. Depth Bridge Plug Set: MD 12675  
TVD 8295

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 Sk. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|------------|-------------|----------|-------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 17.500    | 13.375 J55 | 54.5        | 0        | 861         |                      | 800                         |                   | 0           |               |
| 12.250    | 9.625 J55  | 36.0        | 0        | 4592        |                      | 1500                        |                   | 0           |               |
| 7.875     | 5.500 P110 | 17.0        | 0        | 12717       |                      | 1675                        |                   | 2050        |               |
|           |            |             |          |             |                      |                             |                   |             |               |
|           |            |             |          |             |                      |                             |                   |             |               |
|           |            |             |          |             |                      |                             |                   |             |               |

### 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 | 7877           |                   |      |                |                   |      |                |                   |

### 25. Producing Intervals

| Formation   | Top  | Bottom | Perforated Interval | Size  | No. Holes | Perf. Status |
|-------------|------|--------|---------------------|-------|-----------|--------------|
| A) DELAWARE | 8461 | 12610  | 8461 TO 12610       | 0.430 | 621       | OPEN         |
| B)          |      |        |                     |       |           |              |
| C)          |      |        |                     |       |           |              |
| D)          |      |        |                     |       |           |              |

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

| Depth Interval | Amount and Type of Material |
|----------------|-----------------------------|
| 8461 TO 12610  | SEE IN REMARKS              |
|                |                             |
|                |                             |

### 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 |
|---------------------|----------------------|----------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 01/14/2015          | 01/26/2015           | 24             | →               | 312.0   | 385.0   | 2472.0    |                       |             |                   |
| Choke Size          | Thg. Press. Flwg. SI | Csg. Press. SI | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |
|                     | 150                  | 150.0          | →               | 312     | 385     | 2472      |                       | 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          | Thg. Press. Flwg. SI | Csg. Press. SI | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |
|                     |                      |                | →               |         |         |           |                       |             |                   |

ACCEPTED FOR RECORD

ELECTRIC PUMP SUB-SURFACE

MAY - 8 2015

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #290906 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Reclamation

Date: 7/26/15

## 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<br>Meas. Depth |
|---------------|------|--------|------------------------------|---------------|--------------------|
| LAMAR         | 4547 | 4588   |                              | RUSTLER       | 779                |
| BELL CANYON   | 4589 | 5459   |                              | TOS           | 1113               |
| CHERRY CANYON | 5460 | 6728   |                              | BOS           | 4321               |
| BRUSHY CANYON | 6729 | 8329   |                              | LAMAR         | 4547               |
|               |      |        |                              | BELL CANYON   | 4589               |
|               |      |        |                              | CHERRY CANYON | 5460               |
|               |      |        |                              | BRUSHY CANYON | 6729               |

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

Perfs 7 1/2" Sand (#) Fluid (gal)  
 12351-12610' 1512 250745 202356  
 12174-12293' 3012 251695 217968  
 11998-12110' 3024 252475 213512  
 11821-11939' 3012 249615 213605  
 11644-11762' 3486 251152 214730  
 11468-11586' 2970 250315 213148  
 11284-11407' 2970 249796 213180

## 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 #290906 Verified by the BLM Well Information System.  
 For COG OPERATING LLC, sent to the Carlsbad  
 Committed to AFMSS for processing by DEBORAH HAM on 05/05/2015 ()

Name (please print) STORMI DAVIS

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 02/09/2015

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.

\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\*

*Handprint Fed. Com. #1H*

*30-D15-41020*

Additional data for transaction #290906 that would not fit on the form

32. Additional remarks, continued

11115-11232' 3000 248813 212694  
10938-11056' 3024 248379 212184  
10761-10879' 3000 250663 210361  
10585-10702' 2970 250298 214230  
10408-10526' 3024 249739 215082  
10235-10349' 2970 251307 212842  
10055-10172' 2970 249084 210013  
9878-9998' 3066 250300 210826  
9703-9819' 3000 250014 210779  
9525-9643' 3180 250051 210156  
9342-9466' 2970 250036 208375  
9171-9289' 2970 248787 209526  
8995-9113' 3012 250341 211038  
8818-8936' 3264 250194 208480  
8642-8759' 3054 250002 211080  
8461-8583' 3054 250283 207338  
Totals 6510 5754084 4863502

Surveys are attached.

# Revisions to Operator-Submitted EC Data for Well Completion #290906

|                                   | Operator Submitted                                                                                          | BLM Revised (AFMSS)                                                                                  |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| Lease:                            | NMNM67106                                                                                                   | NMNM67106                                                                                            |
| Agreement:                        | NMNM124833                                                                                                  | NMNM134094 (NMNM134094)                                                                              |
| Operator:                         | COG OPERATING LLC<br>2208 W MAIN ST<br>ARTESIA, NM 88210<br>Ph: 575-748-6940                                | COG OPERATING LLC<br>ONE CONCHO CENTER 600 WILLINOIS AVENUE<br>MIDLAND, TX 79701<br>Ph: 432.685.4385 |
| Admin Contact:                    | STORMI DAVIS<br>REGULATORY ANALYST<br>E-Mail: sdavis@concho.com<br><br>Ph: 575-748-6946<br>Fx: 575-748-6950 | STORMI DAVIS<br>PREPARER<br>E-Mail: sdavis@concho.com<br><br>Ph: 575-748-6946                        |
| Tech Contact:                     | STORMI DAVIS<br>REGULATORY ANALYST<br>E-Mail: sdavis@concho.com<br><br>Ph: 575-748-6946<br>Fx: 575-748-6950 | STORMI DAVIS<br>PREPARER<br>E-Mail: sdavis@concho.com<br><br>Ph: 575-748-6946                        |
| Well Name:<br>Number:             | HOOFPRIINT FEDERAL COM<br>1H                                                                                | HOOFPRIINT FEDERAL COM<br>1H                                                                         |
| Location:                         |                                                                                                             |                                                                                                      |
| State:                            | NM                                                                                                          | NM                                                                                                   |
| County:                           | EDDY                                                                                                        | EDDY                                                                                                 |
| S/T/R:                            | Sec 12 T24S R31E Mer NMP                                                                                    | Sec 12 T24S R31E Mer NMP                                                                             |
| Surf Loc:                         | SWSW 330FSL 430FWL                                                                                          | SWSW 330FSL 430FWL 32.225422 N Lat, 103.738193 W Lon                                                 |
| Field/Pool:                       | MESA VERDE; DELAWARE                                                                                        | MESA VERDE                                                                                           |
| Logs Run:                         | NONE                                                                                                        | NONE                                                                                                 |
| Producing Intervals - Formations: | DELAWARE                                                                                                    | DELAWARE                                                                                             |
| Porous Zones:                     | LAMAR<br>BELL CANYON<br>CHERRY CANYON<br>BRUSHY CANYON                                                      | LAMAR<br>BELL CANYON<br>CHERRY CANYON<br>BRUSHY CANYON                                               |
| Markers:                          | RUSTLER<br>TOS<br>BOS<br>LAMAR<br>BELL CANYON<br>CHERRY CANYON<br>BRUSHY CANYON                             | RUSTLER<br>TOP SALT<br>BASE OF SALT<br>LAMAR<br>BELL CANYON<br>CHERRY CANYON<br>BRUSHY CANYON        |