

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

AUG 10 2015  
OCD Artesia

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

|                                                                                                                                                                                                                                  |  |                                          |  |                                                                                                                                                                                                                                                                                                                              |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other                                                                      |  |                                          |  | 6. If Indian, Allottee or Tribe Name                                                                                                                                                                                                                                                                                         |  |
| b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr.<br>Other _____    |  |                                          |  | 7. Unit or CA Agreement Name and No.                                                                                                                                                                                                                                                                                         |  |
| 2. Name of Operator<br>COG OPERATING LLC                                                                                                                                                                                         |  |                                          |  | 8. Lease Name and Well No.<br>SCREECH OWL FEDERAL 4H                                                                                                                                                                                                                                                                         |  |
| 3. Address 2208 W MAIN ST<br>ARTESIA, NM 88210                                                                                                                                                                                   |  |                                          |  | 9. API Well No.<br>30-015-42828                                                                                                                                                                                                                                                                                              |  |
| 4. Location of Well (Report location clearly and in accordance with Federal requirements)*<br>At surface NENE 190FNL 330FEL<br>At top prod interval reported below Sec 30 T26S R27E Mer NMP<br>At total depth SESE 354FSL 405FEL |  |                                          |  | 10. Field and Pool, or Exploratory<br>WELCH; BONE SPRING                                                                                                                                                                                                                                                                     |  |
| 14. Date Spudded<br>01/08/2015                                                                                                                                                                                                   |  |                                          |  | 15. Date T.D. Reached<br>01/27/2015                                                                                                                                                                                                                                                                                          |  |
| 16. Date Completed<br>04/23/2015                                                                                                                                                                                                 |  |                                          |  | 17. Elevations (DF, KB, RT, GL)*<br>3316 GL                                                                                                                                                                                                                                                                                  |  |
| 18. Total Depth: MD 17323<br>TVD 7438                                                                                                                                                                                            |  | 19. Plug Back T.D.: MD 17230<br>TVD 7444 |  | 20. Depth Bridge Plug Set: MD 17230<br>TVD 7444                                                                                                                                                                                                                                                                              |  |
| 21. Type Electric & Other Mechanical Logs Run (Submit copy of each)<br>NONE                                                                                                                                                      |  |                                          |  | 22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)<br>Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)<br>Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> 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 | 48.0        | 0        | 363         |                      | 450                         |                   | 0           |               |
| 12.250    | 9.625 J55  | 36.0        | 0        | 2030        |                      | 725                         |                   | 0           |               |
| 8.750     | 5.500 P110 | 17.0        | 0        | 17303       |                      | 3650                        |                   | 5950        |               |
|           |            |             |          |             |                      |                             |                   |             |               |
|           |            |             |          |             |                      |                             |                   |             |               |
|           |            |             |          |             |                      |                             |                   |             |               |

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 | 7655           | 6917              |      |                |                   |      |                |                   |

25. Producing Intervals

26. Perforation Record

| Formation      | Top  | Bottom | Perforated Interval | Size  | No. Holes | Perf. Status |
|----------------|------|--------|---------------------|-------|-----------|--------------|
| A) BONE SPRING | 7694 | 17215  | 7694 TO 17155       | 0.430 | 1152      | OPEN         |
| B)             |      |        | 17205 TO 17215      |       | 60        | OPEN         |
| C)             |      |        |                     |       |           |              |
| D)             |      |        |                     |       |           |              |

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

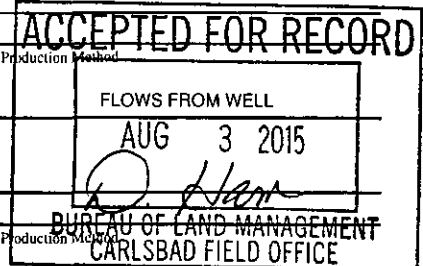
| Depth Interval | Amount and Type of Material |
|----------------|-----------------------------|
| 7694 TO 17155  | SEE IN REMARKS              |
|                |                             |
|                |                             |

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 |
|---------------------|-----------------------|-------------------|-----------------|--------------|--------------|----------------|-----------------------|-----------------|-------------------|
| 05/04/2015          | 05/22/2015            | 24                | →               | 1165.0       | 3371.0       | 1333.0         |                       |                 |                   |
| Choke Size          | Tbg. Press. Flwg. 920 | Csg. Press. 180.0 | 24 Hr. Rate →   | Oil BBL 1165 | Gas MCF 3371 | Water BBL 1333 | Gas:Oil Ratio 1       | Well Status 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 #302810 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Reclamation

Date: 11/22/15

## 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.)

FLARED

## 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           | 2070 | 2108   |                              | TOS             | 365         |
| BELL CANYON     | 2109 | 2961   |                              | BOS             | 1881        |
| CHERRY CANYON   | 2962 | 4077   |                              | LAMAR           | 2070        |
| BRUSHY CANYON   | 4078 | 5654   |                              | BELL CANYON     | 2109        |
| BONE SPRING LM  | 5655 | 6610   |                              | CHERRY CANYON   | 2962        |
| 1ST BONE SPRING | 6611 | 7371   |                              | BRUSHY CANYON   | 4078        |
| 2ND BONE SPRING | 7372 | 7498   |                              | BONE SPRING LM  | 5655        |
|                 |      |        |                              | 1ST BONE SPRING | 6611        |

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

AMENDED TO CORRECT TUBING &amp; PACKER DEPTH

Perfs 7 1/2" Sand (#) Fluid (gal)  
 16956-17155 7032 448842 417120  
 16657-16857 5999 448090 399311  
 16358-16560 6006 450533 384594  
 16059-16258 6006 449018 390810  
 15760-15961 6024 449951 391290

## 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 #302810 Verified by the BLM Well Information System.  
 For COG OPERATING LLC, sent to the Carlsbad  
 Committed to AFMSS for processing by DEBORAH HAM on 06/16/2015 ()

Name(please print) STORMI DAVIS

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 05/26/2015

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 \*\*

Additional data for transaction #302810 that would not fit on the form .

32. Additional remarks, continued

15461-15665 5999 450570 389281  
15162-15359 6024 448196 390534  
14863-15063 6006 452253 387996  
14565-14764 6006 450860 386526  
14266-14465 6024 451486 384468  
13967-14168 6024 449196 383148  
13668-13869 6006 450794 382872  
13369-13568 6048 450272 376488  
13070-13269 6006 449587 379428  
12771-12970 6024 449653 375925  
12472-12672 6024 451451 375246  
12173-12373 6024 449650 527202  
11878-12074 6006 450020 373044  
11577-11775 6024 450042 372155  
11277-11476 6066 450869 375624  
10978-11179 6048 450482 371532  
10679-10878 5999 446659 371399  
10380-10578 6024 450527 367266  
10086-10280 5964 449419 369752  
9782-9981 6090 449687 369684  
9483-9683 6384 455140 367962  
9184-9384 6258 451666 365736  
8886-9085 6006 450307 366408  
8587-8781 6048 449023 365694  
8288-8488 6006 450072 363930  
7989-8183 6090 450234 362460  
7694-7889 6048 444392 360192  
Totals 194340 14398941 12245074

Additional Tops:  
2nd Bone Spring 7372

Surveys are attached.