

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**RECEIVED**

DEC 27 2012

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

**NMOCD ARTESIA**

|                                                                                                                                                                                                                                                                                                                              |  |                                                                                                  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------|--|
| 1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other                                                                                                                                                                  |  | 5. Lease Serial No.<br>NMLC028784A                                                               |  |
| 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                                                                                                      |  | 6. If Indian, Allottee or Tribe Name                                                             |  |
| 2. Name of Operator<br>COG OPERATING LLC                                                                                                                                                                                                                                                                                     |  | 7. Unit or CA Agreement Name and No.<br>NMNM88525X                                               |  |
| Contact: CHASITY JACKSON<br>E-Mail: cjackson@concho.com                                                                                                                                                                                                                                                                      |  | 8. Lease Name and Well No.<br>BURCH KEELY UNIT 546                                               |  |
| 3. Address ONE CONCHO CENTER 600 WILLINOIS AVENUE<br>MIDLAND, TX 79701                                                                                                                                                                                                                                                       |  | 9. API Well No.<br>30-015-40324-00-S1                                                            |  |
| 3a. Phone No. (include area code)<br>Ph: 432-686-3087                                                                                                                                                                                                                                                                        |  | 10. Field and Pool, or Exploratory<br>BURCH KEELY-GLORIETA-UPPER YES                             |  |
| 4. Location of Well (Report location clearly and in accordance with Federal requirements)*<br>At surface NENW 175FNL 2550FWL<br>At top prod interval reported below NENW 175FNL 2550FWL<br>At total depth NENW 175FNL 2550FWL                                                                                                |  | 11. Sec., T., R., M., or Block and Survey<br>or Area Sec 24 T17S R29E Mer NMP                    |  |
| 14. Date Spudded<br>07/30/2012                                                                                                                                                                                                                                                                                               |  | 15. Date T.D. Reached<br>08/04/2012                                                              |  |
| 16. Date Completed<br><input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.<br>09/07/2012                                                                                                                                                                                                        |  | 17. Elevations (DF, KB, RT, GL)*<br>3609 GL                                                      |  |
| 18. Total Depth: MD 4708<br>TVD 4708                                                                                                                                                                                                                                                                                         |  | 19. Plug Back T.D.: MD 4660<br>TVD 4660                                                          |  |
| 20. Depth Bridge Plug Set: MD<br>TVD                                                                                                                                                                                                                                                                                         |  | 21. Type Electric & Other Mechanical Logs Run (Submit copy of each)<br>COMPENSATED NEUT HNGS CCL |  |
| 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 checked="" type="checkbox"/> No <input 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 H-40 | 48.0        | 0        | 307         |                      | 400                         |                   | 0           |               |
| 11.000    | 8.625 J-55  | 24.0        | 0        | 1036        |                      | 500                         |                   | 0           |               |
| 7.875     | 5.500 J-55  | 17.0        | 0        | 4708        |                      | 900                         |                   | 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 | 4546           |                   |      |                |                   |      |                |                   |

25. Producing Intervals

| Formation  | Top  | Bottom | Perforated Interval | Size  | No. Holes | Perf. Status |
|------------|------|--------|---------------------|-------|-----------|--------------|
| A) PADDOCK | 4120 | 4370   | 4120 TO 4370        | 0.410 | 26        | OPEN         |
| B)         |      |        |                     |       |           |              |
| C)         |      |        |                     |       |           |              |
| D)         |      |        |                     |       |           |              |

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

| Depth Interval | Amount and Type of Material                                            |
|----------------|------------------------------------------------------------------------|
| 4120 TO 4370   | ACIDIZE W/2,500 GALS 15% ACID.                                         |
| 4120 TO 4370   | FRAC W/103,459 GALS GEL, 115,085# 16/30 BROWN SAND, 15,682# 16/30 CRC. |

**RECLAMATION  
DUE 9-1-13**

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     |
|---------------------|----------------------|------------------|-----------------|------------|-------------|---------------|-----------------------|-----------------|-----------------------|
| 09/10/2012          | 09/12/2012           | 24               | →               | 45.0       | 386.0       | 223.0         | 42.0                  | 0.60            | ELECTRIC PUMPING UNIT |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press. 70.0 | 24 Hr. Rate →   | Oil BBL 45 | Gas MCF 386 | Water BBL 223 | Gas:Oil Ratio 8578    | Well Status POW |                       |

**ACCEPTED FOR RECORD**

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 |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
|                     |                      |              | →               |         |         |           |                       |             | DEC 22 2012       |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate →   | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #164189 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

*pm*

## 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 |
|------------|------|--------|------------------------------|------------|--------------------|
| RUSTLER    | 359  | 862    | ANHYDRITE                    | RUSTLER    | 359                |
| SALADO     | 683  |        | SALT                         | TOP SALT   | 683                |
| YATES      | 1025 |        | SANDSTONE                    | YATES      | 1025               |
| QUEEN      | 1924 |        | SANDSTONE & DOLOMITE         | QUEEN      | 1924               |
| SAN ANDRES | 2653 |        | DOLOMITE & LIMESTONE         | SAN ANDRES | 2653               |
| GLORIETA   | 4059 |        | SANDSTONE                    | GLORIETA   | 4059               |
| YESO       | 4119 |        | DOLOMITE & ANHYDRITE         | YESO       | 4119               |

32. Additional remarks (include plugging procedure):  
Logs will be mailed.

## 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 #164189 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Carlsbad

Committed to AFMSS for processing by KURT SIMMONS on 12/18/2012 (13KMS4179SE)

Name (please print) CHASITY JACKSON

Title PREPARER

Signature (Electronic Submission)

Date 12/14/2012

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 \*\*