

**NM OIL CONSERVATION**

CONCHO DISTRICT

JAN 13 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 LOG**

RECEIVED

5. Lease Serial No.  
NMLC028784B

1a. Type of Well  Oil Well  Gas Well  Dry  Other  
b. 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 LLC Contact: CHASITY JACKSON  
E-Mail: cjackson@concho.com

8. Lease Name and Well No.  
BURCH KEELY UNIT 597

3. Address ONE CONCHO CENTER 600 W. ILLINOIS AVE  
MIDLAND, TX 79701 3a. Phone No. (include area code)  
Ph: 432-686-3087

9. API Well No.  
30-015-40882

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

At surface NWNE 930FNL 1345FEL

At top prod interval reported below NWNE 930FNL 1345FEL

At total depth NWNE 930FNL 1345FEL

10. Field and Pool, or Exploratory  
BURCH KEELY

11. Sec., T., R., M., or Block and Survey  
or Area Sec 23 T17S R29E Mer NMP

12. County or Parish  
EDDY 13. State  
NM

14. Date Spudded 08/20/2014 15. Date T.D. Reached 08/26/2014 16. Date Completed  
 D & A  Ready to Prod.  
09/15/2014

17. Elevations (DF, KB, RT, GL)\*  
3598 GL

18. Total Depth: MD 4767 TVD 4767 19. Plug Back T.D.: MD 4692 TVD 4692 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
COMPENSATED NEUTRON CCL/HNGS 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 H40 | 54.5        |          | 350         |                      | 450                         |                   |             |               |
| 11.000    | 8.625 J55  | 24.0        |          | 971         |                      | 500                         |                   |             |               |
| 7.875     | 5.500 J55  | 17.0        |          | 4755        |                      | 900                         |                   |             |               |

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 |                | 4556              |      |                |                   |      |                |                   |

25. Producing Intervals

26. Perforation Record

| Formation | Top  | Bottom | Perforated Interval | Size  | No. Holes | Perf. Status |
|-----------|------|--------|---------------------|-------|-----------|--------------|
| A) YESO   | 4110 | 4380   | 4110 TO 4380        | 0.430 | 56        | OPEN         |
| B)        |      |        |                     |       |           |              |
| C)        |      |        |                     |       |           |              |
| D)        |      |        |                     |       |           |              |

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

| Depth Interval | Amount and Type of Material                                       |
|----------------|---|
| 4110 TO 4380   | ACIDIZE W/549 GALS 15% ACID.                                      |
| 4110 TO 4380   | FRAC W/122,000 GALS GEL, 152,627# 16/30 BRADY, 21,663# 16/30 SLC. |

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 |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|
| 09/23/2014          | 10/02/2014           | 24           | →               | 65.0    | 95.0    | 177.0     | 37.9                  | 0.60        |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |
|                     | SI                   |              | →               | 65      | 95      | 177       | 1462                  | POW         |

**ACCEPTED FOR RECORD**  
ELECTRIC PUMPING UNIT  
JAN 7 2015  
BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

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.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |
|                     | SI                   |              | →               |         |         |           |                       |             |

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

ELECTRONIC SUBMISSION #269430 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

RECLAMATION  
DUE 4/2/15

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

Accepted for record  
NMOCD 000

28b. Production - Interval C

|                     |                      |              |                      |         |         |           |                       |             |                   |
|---------------------|----------------------|--------------|----------------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| Date First Produced | Test Date            | Hours Tested | Test Production<br>→ | 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<br>→     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |

28c. Production - Interval D

|                     |                      |              |                      |         |         |           |                       |             |                   |
|---------------------|----------------------|--------------|----------------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| Date First Produced | Test Date            | Hours Tested | Test Production<br>→ | 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<br>→     | 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 |
| TANSIL    | 861  |        | LIMESTONE & DOLOMITE         | TANSIL   | 861         |
| YATES     | 967  |        | SANDSTONE                    | YATES    | 967         |
| QUEEN     | 1865 |        | SANDSTONE & DOLOMITE         | QUEEN    | 1865        |
| GRAYBURG  | 2252 |        | SANDSTONE & DOLOMITE         | GRAYBURG | 2252        |
| GLORIETA  | 4011 |        | SANDSTONE                    | GLORIETA | 4011        |
| PADDOCK   | 4072 |        |                              | PADDOCK  | 4072        |

32. Additional remarks (include plugging procedure):  
Will mail log.

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 #269430 Verified by the BLM Well Information System.  
For COG OPERATING LLC, sent to the Carlsbad  
Committed to AFMSS for processing by DEBORAH HAM on 12/30/2014 ()**

Name (please print) CHASITY JACKSON Title PREPARER

Signature (Electronic Submission) Date 10/08/2014

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.