

HOBBS OCD

OCT 12 2011

Form 3160-4  
(August 2007)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMLC029405B

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.  
GC FEDERAL 59

3. Address 550 WEST TEXAS AVENUE SUITE 100  
MIDLAND, TX 79701

3a. Phone No. (include area code)  
Ph: 432-686-3087

9. API Well No.  
30-025-40160

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

At surface Lot 3 2457FSL 918FWL

At top prod interval reported below Lot 3 2457FSL 918FWL

At total depth Lot 3 2457FSL 918FWL

10. Field and Pool, or Exploratory  
MALJAMAR; YESO, WEST

11. Sec., T., R., M., or Block and Survey  
or Area Sec 19 T17S R32E Mer

12. County or Parish  
LEA

13. State  
NM

14. Date Spudded  
08/05/2011

15. Date T.D. Reached  
08/13/2011

16. Date Completed  
☐ D & A ☒ Ready to Prod.  
09/08/2011

17. Elevations (DF, KB, RT, GL)\*  
3928 GL

18. Total Depth MD 6940  
TVD 6940

19. Plug Back T.D. MD 6882  
TVD 6882

20. Depth Bridge Plug Set. MD  
TVD

21. Type Electric & Other-Mechanical Logs Run (Submit copy of each)  
COMPENSATED NEUTRON

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 | 48.0       |          | 700         |                      | 650                         |                   |             |               |
| 11.000    | 8.625 J55  | 32.0       |          | 2145        |                      | 600                         |                   |             |               |
| 7 875     | 5.500 L80  | 17.0       |          | 6930        |                      | 1150                        |                   |             |               |
|           |            |            |          |             |                      |                             |                   |             |               |
|           |            |            |          |             |                      |                             |                   |             |               |
|           |            |            |          |             |                      |                             |                   |             |               |
|           |            |            |          |             |                      |                             |                   |             |               |
|           |            |            |          |             |                      |                             |                   |             |               |

## 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 | 6413           |                   |      |                |                   |      |                |                   |

## 25. Producing Intervals

## 26. Perforation Record

| Formation   | Top  | Bottom | Perforated Interval | Size  | No. Holes | Perf. Status |
|-------------|------|--------|---------------------|-------|-----------|--------------|
| A) PADDOCK  | 5290 | 5490   | 5290 TO 5490        | 0.410 | 26        | OPEN         |
| B) BLINEBRY | 5830 | 6650   | 5830 TO 6055        | 0.410 | 26        | OPEN         |
| C)          |      |        | 6115 TO 6340        | 0.410 | 26        | OPEN         |
| D)          |      |        | 6400 TO 6650        | 0.410 | 26        | OPEN         |

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

| Depth Interval | Amount and Type of Material  |
|----------------|--|
| 5290 TO 5490   | ACIDIZE W/2,500 GALS 15% ACID  |
| 5290 TO 5490   | FRAC W/103,345 GALS GEL, 120,740# 16/30 OTTAWA SAND, 18,921# 16/30 CRC |
| 5830 TO 6055   | ACIDIZE W/3,500 GALS 15% ACID.   |
| 5830 TO 6055   | FRAC W/112,335 GALS GEL, 144,385# 16/30 OTTAWA SAND, 30,263# 16/30 CRC |

## 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     |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|----------------------|-------------|-----------------------|
| 09/12/2011          | 09/13/2011        | 24           | →               | 74.0    | 40.0    | 321.0     | 37.6                 | 541.00      | ELECTRIC PUMPING UNIT |
| Choke Size          | Tbg Press Flwg SI | Csg Press    | 24 Hr Rate      | Oil BBL | Gas MCF | Water BBL | Gas Oil Ratio        | Well Status |                       |
|                     |                   | 70.0         | →               |         |         |           |                      | 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 #119301 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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## 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    | 620  |        | ANHYDRITE                   | ANHYDRITE            | 620                |
| SALT       | 820  |        | SALT                        | SALT                 | 820                |
| YATES      | 1954 |        | DOLOMITE & SAND             | DOLOMITE & SAND      | 1954               |
| QUEEN      | 2918 |        | SAND                        | SAND                 | 2918               |
| SAN ANDRES | 3630 |        | DOLOMITE & ANHYDRITE        | DOLOMITE & ANHYDRITE | 3630               |
| GLORIETA   | 5204 |        | SAND & DOLOMITE             | SAND & DOLOMITE      | 5204               |
| YESO       | 5284 |        | DOLOMITE & ANHYDRITE        | DOLOMITE & ANHYDRITE | 5284               |

## 32 Additional remarks (include plugging procedure).

44. Acid, Fracture, Treatment, Cement Squeeze, etc Continued...

6115-6340 ACIDIZE W/3,500 GALS 15% ACID.

6115-6340 FRAC W/116,203 GALS GEL, 146,474# 16/30 OTTAWA SAND, 30,653# 16/30 CRC.

6400-6650 ACIDIZE W/3,500 GALS 15% ACID.

6400-6650 FRAC W/116,166 GALS GEL, 147,344# 16/30 OTTAWA SAND, 36,069# 16/30 CRC.

## 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 #119301 Verified by the BLM Well Information System.  
For COG OPERATING LLC, sent to the Hobbs

Name (please print) CHASITY JACKSON

Title PREPARER

Signature (Electronic Submission)

Date 10/06/2011

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.

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