

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

HOBBS OCD

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

MAY 09 2012

|                                                                                                                                                                                                                                                                                                                              |  |  |                                                                                                  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------------------------------------|--|--|
| 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                                                                                                                |  |  | 7. Unit or CA Agreement Name and No.                                                             |  |  |
| 2. Name of Operator<br>COG OPERATING LLC                                                                                                                                                                                                                                                                                     |  |  | 8. Lease Name and Well No.<br>GC FEDERAL 58                                                      |  |  |
| 3. Address 550 WEST TEXAS AVENUE SUITE 100<br>MIDLAND, TX 79701-4287                                                                                                                                                                                                                                                         |  |  | 9. API Well No.<br>30-025-40151-00-S1                                                            |  |  |
| 4. Location of Well (Report location clearly and in accordance with Federal requirements)*<br>At surface NESE 2370FSL 590FEL<br>At top prod interval reported below NESE 2370FSL 590FEL<br>At total depth NESE 2300FSL 339FEL                                                                                                |  |  | 10. Field and Pool, or Exploratory<br>MALJAMAR                                                   |  |  |
| 14. Date Spudded<br>12/30/2011                                                                                                                                                                                                                                                                                               |  |  | 15. Date T.D. Reached<br>01/08/2012                                                              |  |  |
| 16. Date Completed<br><input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.<br>02/07/2012                                                                                                                                                                                                        |  |  | 17. Elevations (DF, KB, RT, GL)*<br>3947 GL                                                      |  |  |
| 18. Total Depth: MD 7042<br>TVD 7031                                                                                                                                                                                                                                                                                         |  |  | 19. Plug Back T.D.: MD 6950<br>TVD 6950                                                          |  |  |
| 20. Depth Bridge Plug Set: MD<br>TVD                                                                                                                                                                                                                                                                                         |  |  | 21. Type Electric & Other Mechanical Logs Run (Submit copy of each)<br>SPACEDNEUTRON CCL RCBL GR |  |  |
| 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 H-40 | 48.0        | 0        | 732         |                      | 625                         |                   | 0           |               |
| 11.000    | 8.625 J-55  | 32.0        | 0        | 2107        |                      | 875                         |                   | 0           |               |
| 7.875     | 5.500 L-80  | 17.0        | 0        | 7021        | 4016                 | 1660                        |                   | 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 | 6656           |                   |      |                |                   |      |                |                   |

## 25. Producing Intervals

| Formation | Top  | Bottom | Perforated Interval | Size  | No. Holes | Perf. Status          |
|-----------|------|--------|---------------------|-------|-----------|-----------------------|
| A) YESO   | 5320 | 6700   | 5320 TO 5470        | 0.000 | 26        | OPEN, Paddock         |
| B)        |      |        | 5960 TO 6160        | 0.000 | 26        | OPEN, Upper Blinebry  |
| C)        |      |        | 6230 TO 6430        | 0.000 | 26        | OPEN, Middle Blinebry |
| D)        |      |        | 6500 TO 6700        | 0.000 | 26        | OPEN, Lower Blinebry  |

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

| Depth Interval | Amount and Type of Material                                            |
|----------------|------------------------------------------------------------------------|
| 5320 TO 5470   | FRAC W/104,382 GALS GEL, 108,650# 16/30 WHITE SAND, 26,255# 16/30 CRC. |
| 5320 TO 5470   | ACIDIZE W/1,500 GALS 15% ACID.                                         |
| 5960 TO 6160   | ACIDIZE W/2,510 GALS 15% ACID                                          |
| 5960 TO 6160   | FRAC W/111,680 GALS GEL, 140,461# 16/30 WHITE SAND, 28,222# 6/30 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     |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|----------------------|-------------|-----------------------|
| 02/15/2012          | 02/20/2012        | 24           | →               | 70.0    | 126.0   | 326.0     | 37.6                 | 0.60        | 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         | →               | 70      | 126     | 326       | 1800                 | 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 #135062 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

RECLAMATION  
DUE 8-7-12

ACCEPTED FOR RECORD

MAY 5 2012

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

MAY 10 2012

## 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.)  
CAPTURED

## 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 |
| RUSTLER    | 631  |        | ANHYDRITE                    | RUSTLER    | 631        |
| SALADO     | 950  |        | SALT                         | SALADO     | 950        |
| YATES      | 1965 |        | SANDSTONE                    | YATES      | 1965       |
| QUEEN      | 2945 |        | SANDSTONE & DOLOMITE         | QUEEN      | 2945       |
| SAN ANDRES | 3687 |        | DOLOMITE & LIMESTONE         | SAN ANDRES | 3687       |
| GLORIETTA  | 5225 |        | SANDSTONE                    | GLORIETTA  | 5225       |
| YESO       | 5286 |        | DOLOMITE & ANHYDRITE         | YESO       | 5286       |
| TUBB       | 6774 |        | SANDSTONE & DOLOMITE         | TUBB       | 6774       |

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

44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. CONTINUED...

6230-6430 ACIDIZE W/2,396 GALS ACID.

6230-6430 FRAC W/111,386 GALS GEL, 145,926# 16/30 WHITE SAND, 27,462# 16/30 CRC.

6500-6700 ACIDIZE W/3,681 GALS ACID.

6500-6700 FRAC W/114,884 GALS GEL, 141,384# 16/30 WHITE SAND, 31,806# 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 #135062 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Hobbs

Committed to AFMSS for processing by DEBORAH MCKINNEY on 04/12/2012 (12DLM0427SE)

Name (please print) CHASITY JACKSON

Title PREPARER

Signature (Electronic Submission)

Date 04/10/2012

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 \*\***