

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

*OLD 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>POLARIS B FEDERAL 30   |                                      |  |
| Contact: CHASITY JACKSON<br>E-Mail: cjackson@conchoresources.com  |  |   | 9. API Well No.<br>30-015-36893-00-S1  |                                      |  |
| 3. Address 550 WEST TEXAS AVENUE SUITE 1300<br>MIDLAND, TX 79701  |  |   | 3a. Phone No. (include area code)<br>Ph: 432-686-3087  |                                      |  |
| 4. Location of Well (Report location clearly and in accordance with Federal requirements)*<br>At surface SWSE Lot O 330FSL 1750FEL<br>At top prod interval reported below SWSE Lot O 330FSL 1750FEL<br>At total depth SWSE Lot O 330FSL 1750FEL |  |   | 10. Field and Pool, or Exploratory<br>LOCO HILLS - <i>Glorieta Yeso</i>  |                                      |  |
| 14. Date Spudded<br>12/05/2010  |  |   | 15. Date T.D. Reached<br>12/15/2010  |                                      |  |
| 16. Date Completed<br><input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.<br>01/04/2011   |  |   | 17. Elevations (DF, KB, RT, GL)*<br>3684 GL  |                                      |  |
| 18. Total Depth: MD 6030<br>TVD 6030  |  | 19. Plug Back T.D.: MD 5976<br>TVD 5976 |  | 20. Depth Bridge Plug Set: MD<br>TVD |  |
| 21. Type Electric & Other Mechanical Logs Run (Submit copy of each)<br>COMPENSATEDNEUT  |  |   | 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 Cement Depth | No. of Sks. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|------------|-------------|----------|-------------|--------------------|------------------------------|-------------------|-------------|---------------|
| 17.500    | 13.375 H40 | 48.0        | 0        | 437         |                    | 450                          |                   |             |               |
| 11.000    | 8.625 J55  | 24.0        | 0        | 1187        |                    | 700                          |                   |             |               |
| 7.875     | 5.500 J55  | 17.0        | 0        | 6020        | 2622               | 1550                         |                   |             |               |
|           |            |             |          |             |                    |                              |                   |             |               |
|           |            |             |          |             |                    |                              |                   |             |               |
|           |            |             |          |             |                    |                              |                   |             |               |
|           |            |             |          |             |                    |                              |                   |             |               |

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 | 5474           |                   |      |                |                   |      |                |                   |

25. Producing Intervals

| Formation        | Top  | Bottom | Perforated Interval | Size  | No. Holes | Perf. Status   |
|------------------|------|--------|---------------------|-------|-----------|----------------|
| A) GLORIETA YESO |      |        | 4405 TO 4685        | 0.410 | 29        | OPEN, Paddock  |
| B) PADDOCK       | 4405 | 4685   | 4980 TO 5180        | 0.410 | 26        | OPEN, Blinebry |
| C) BLINEBRY      | 5520 | 5720   | 5250 TO 5450        | 0.410 | 26        | OPEN, Blinebry |
| D)               |      |        | 5520 TO 5720        | 0.410 | 26        | OPEN, Blinebry |

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

| Depth Interval | Amount and Type of Material  |
|----------------|--|
| 4405 TO 4685   | ACIDIZE W/3,000 GALS 15% ACID.   |
| 4405 TO 4685   | FRAC W/110,000 GALS GEL, 117,818# 16/30 WHITE SAND, 15,075# 16/30 SIBERPROP. JAN 30 2011 |
| 4980 TO 5180   | ACIDIZE W/2,500 GALS 15% ACID.   |
| 4980 TO 5180   | FRAC W/125,000 GALS GEL, 146,150# 16/30 WHITE SAND, 29,842# 16/30 SIBERPROP              |

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     |
|---------------------|----------------------|------------------|-----------------|-------------|-------------|---------------|-----------------------|-----------------|-----------------------|
| 01/08/2011          | 01/23/2011           | 24               | →               | 117.0       | 145.0       | 781.0         | 38.7                  |                 | ELECTRIC PUMPING UNIT |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press. 70.0 | 24 Hr. Rate →   | Oil BBL 117 | Gas MCF 145 | Water BBL 781 | Gas:Oil Ratio 1239    | 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     |
|---------------------|----------------------|------------------|-----------------|-------------|-------------|---------------|-----------------------|-----------------|-----------------------|
| 01/08/2011          | 01/23/2011           | 24               | →               | 117.0       | 145.0       | 781.0         | 38.7                  |                 | ELECTRIC PUMPING UNIT |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press. 70.0 | 24 Hr. Rate →   | Oil BBL 117 | Gas MCF 145 | Water BBL 781 | Gas:Oil Ratio         | Well Status POW |                       |

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

ELECTRONIC SUBMISSION #101250 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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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.)  
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 |
| YATES      | 1213 |        | DOLOMITE & SAND              | YATES      | 1213        |
| QUEEN      | 2116 |        | SAND                         | QUEEN      | 2116        |
| SAN ANDRES | 2850 |        | DOLOMITE & ANHYDRITE         | SAN ANDRES | 2850        |
| GLORIETA   | 4261 |        | DOLOMITE & SAND              |            |             |
| YESO       | 4375 |        | DOLOMITE & ANHYDRITE         |            |             |
| TUBB       | 5826 |        | SAND                         |            |             |

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

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

5250-5450 ACIDIZE W/2,500 GALS 15% ACID.

5250-5450 FRAC W/124,000 GALS GEL, 143,676# 16/30 WHITE SAND, 32,319# 16/30 SIBERPROP.

5520-5720 ACIDIZE W/2,500 GALS 15% ACID.

5520-5720 FRAC W/125,000 GALS GEL, 144,248# 16/30 WHITE SAND, 29,772# 16/30 SIBERPROP.

## 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 #101250 Verified by the BLM Well Information System.  
For COG OPERATING LLC, sent to the Carlsbad  
Committed to AFMSS for processing by CHERYLE RYAN on 01/27/2011 (11CMR0264SE)

Name (please print) CHASITY JACKSON

Title PREPARER

Signature (Electronic Submission)

Date 01/25/2011

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.

**\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\***

**Additional data for transaction #101250 that would not fit on the form**

**27. Acid, Fracture, Treatment, Cement Squeeze, etc., continued**

| Depth Interval | Amount and Type of Material                               |
|----------------|---|
| 5250 TO 5450   | gal 15% acid  |
| 5250 TO 5450   | gal gel, 143676# 16/30 White sand, 32319# 16/30 siberprop |
| 5520 TO 5720   | gal 15% acid  |
| 5520 TO 5720   | gal gel, 144248# 16/30 white sand, 29772# 16/30 siberprop |