

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.
NMLC029342D

| | | | | | |
|--|--|--|--|--|--|
| 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. Other _____ | | | 7. Unit or CA Agreement Name and No. | | |
| 2. Name of Operator COG OPERATING LLC | | | Contact: NATALIE KRUEGER E-Mail: nkrueger@conchoresources.com | | |
| 3. Address 550 WEST TEXAS AVENUE SUITE 100 MIDLAND, TX 79701-4287 | | | 3a. Phone No. (include area code) Ph: 432-231-0300 | | |
| 4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SENW Lot F 1650FNL 1650FWL 32.85166 N Lat, 103.97968 W Lon At top prod interval reported below SENW Lot F 1650FNL 1650FWL 32.85166 N Lat, 103.97968 W Lon At total depth SENE Lot H 1651FNL 342FEL | | | 8. Lease Name and Well No. MIRANDA FEDERAL 13 | | |
| 14. Date Spudded 08/29/2010 | | | 15. Date T.D. Reached 09/20/2010 | | |
| 16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 10/20/2010 | | | 9. API Well No. 30-015-38052-00-S1 | | |
| 18. Total Depth: MD 7497 TVD 4696 | | | 19. Plug Back T.D.: MD 7947 TVD 4696 | | |
| 20. Depth Bridge Plug Set: MD TVD | | | 10. Field and Pool, or Exploratory LOCO HILLS | | |
| 21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATED NEUT DUALLATEROLOG | | | 11. Sec., T., R., M., or Block and Survey or Area Sec 9 T17S R30E Mer NMP | | |
| 22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis) | | | 12. County or Parish EDDY | | |
| | | | 13. State NM | | |
| | | | 17. Elevations (DF, KB, RT, GL)* 3693 GL | | |

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 Sks. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|------------|-------------|----------|-------------|----------------------|------------------------------|-------------------|-------------|---------------|
| 17.500 | 13.375 H40 | 48.0 | 0 | 456 | | 1209 | | 0 | 0 |
| 12.250 | 9.625 J55 | 40.0 | 0 | 1374 | | 600 | | 0 | 0 |
| 8.750 | 7.000 L80 | 29.0 | 0 | 4553 | | 950 | | 0 | |
| 6.125 | 4.500 L80 | 13.5 | 4402 | 7350 | | 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 | 4305 | | | | | | | |

25. Producing Intervals

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|-----------|------|--------|---------------------|------|-----------|-------------------|
| A) YESO | 4402 | 7350 | 4402 TO 7350 | | 10 | OPEN (FRAC PORTS) |
| B) | | | | | | |
| C) | | | | | | |
| D) | | | | | | |

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

| Depth Interval | Amount and Type of Material |
|----------------|--|
| 4402 TO 7350 | ACID W/ 3,000 GALS 15% NEFE ACID |
| 4402 TO 7350 | FRAC W/ 29,794 GALS ACID, 1,289,388 GALS GEL, 1,487,332# 20/40 OTTOWA SAND |
| | |
| | |

28. Production - Interval A

| | | | | | | | | | |
|-----------------------------------|-------------------------|---------------------|----------------------|------------------|-----------------|--------------------|-------------------------------|---------------------|--|
| Date First Produced 11/22/2010 | Test Date 11/22/2010 | Hours Tested 24 | Test Production → | Oil BBL 112.0 | Gas MCF 88.0 | Water BBL 368.0 | Oil Gravity Corr. API 39.0 | Gas Gravity 0.60 | Production Method ELECTRIC PUMPING UNIT |
| Choke Size SI | Tbg. Press. Flwg. 70 | Csg. Press. 70.0 | 24 Hr. Rate → | Oil BBL 112 | Gas MCF 88 | Water BBL 368 | Gas:Oil Ratio | 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 |
| 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 #98821 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

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 |
|------------|------|--------|------------------------------|------------|-------------|
| | | | | | Meas. Depth |
| YATES | 1247 | | DOLOMITE & SAND | YATES | 1247 |
| QUEEN | 2143 | | SAND | QUEEN | 2143 |
| SAN ANDRES | 2874 | | DOLOMITE & ANHYDRITE | SAN ANDRES | 2874 |
| GLORIETA | 4288 | | SAND & DOLOMITE | GLORIETA | 4288 |
| YESO | 4394 | | DOLOMITE & ANHYDRITE | | |
| TUBB | 5825 | | | | |

32. Additional remarks (include plugging procedure):
Logs will be sent via mail.

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 #98821 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Carlsbad

Committed to AFMSS for processing by CHERYLE RYAN on 12/09/2010 (11CMR0136SE)

Name (please print) NATALIE KRUEGER

Title PREPARER

Signature (Electronic Submission)

Date 12/09/2010

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 ****