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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

5. Lease Serial No. NMLC029405A

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: KANICIA CARRILLO — E-Mail: kcarrillo@conchoresources.com

8. Lease Name and Well No.: BC FEDERAL 39

3 Address: 550 W TEXAS AVE SUITE 1300, MIDLAND, TX 79701

3a Phone No. (include area code): Ph: 432-685-4332

9. API Well No.: 30-025-39290-00-S1

4 Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface: Sec 19 T17S R32E Mer NMP SENW 2360FNL 1650FWL 32.82090 N Lat, 103.80913 W Lon
At top prod interval reported below
At total depth

10. Field and Pool, or Exploratory: MALJAMAR

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

12. County or Parish: LEA — 13. State: NM

| 14 Date Spudded | 15. Date T.D. Reached | 16. Date Completed | 17. Elevations (DF, KB, RT, GL)* |
|---|---|---|---|
| 04/03/2010 | 04/11/2010 | ☐ D & A ☒ Ready to Prod. 05/10/2010 | 3937 GL |

| 18. Total Depth: | 19. Plug Back T.D.: | 20. Depth Bridge Plug Set: |
|---|---|---|
| MD 6832 TVD 6832 | MD 6761 TVD 6761 | MD TVD |

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
COMPENSATEDNEUT

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 Sks. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|---|---|---|---|---|---|---|---|---|---|
| 17.500 | 13.375 H40 | 48.0 | 0 | 670 | | 550 | | 0 | 0 |
| 11.000 | 8.625 J55 | 32.0 | 0 | 2133 | | 700 | | 0 | 0 |
| 7.875 | 5.500 L80 | 17.0 | 0 | 6832 | | 1050 | | 0 | 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 | 6650 | 6403 | | | | | | |

25. Producing Intervals / 26. Perforation Record

| | Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|---|---|---|---|---|---|---|---|
| A) | YESO | | | 5310 TO 5410 | 0 000 | 17 | OPEN |
| B) | PADDOCK | 5310 | 5410 | 5910 TO 6110 | 0.000 | 26 | OPEN |
| C) | BLINEBRY | 6450 | 6650 | 6180 TO 6380 | 0.000 | 26 | OPEN |
| D) | | | | 6450 TO 6650 | 0.000 | 26 | OPEN |

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

| Depth Interval | Amount and Type of Material |
|---|---|
| 5310 TO 5410 | FRAC W/ 99,611 GALS GEL, 104,947# 16/30 OTTAWA SAND, 22,306# 16/30 SUPER LC |
| 5310 TO 5410 | ACIDIZE W/3,000 GALS 15% ACID. |
| 5910 TO 6110 | FRAC W/ 117,299 GALS GEL, 147,356# 16/30 OTTAWA SAND, 33,489# 16/30 SUPER LC. |
| 5910 TO 6110 | ACIDIZE W/3,500 GALS 15% ACID |

ACCEPTED FOR RECORD
/s/ Roger Hall
JUL 26 2010
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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 |
|---|---|---|---|---|---|---|---|---|---|
| 06/01/2010 | 06/01/2010 | 24 | → | 88.0 | 247 0 | 642.0 | 37.0 | 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 | 70 0 | → | 88 | 247 | 642 | 2807 | DRG |

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 |
|---|---|---|---|---|---|---|---|---|---|
| 06/01/2010 | 06/01/2010 | 24 | → | 88.0 | 247.0 | 642 0 | 37 0 | 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 | 70.0 | → | 88 | 247 | 642 | | DRG |

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

**ELECTRONIC SUBMISSION #88710 VERIFIED BY THE BLM WELL INFORMATION SYSTEM**

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

OCT 13 2010
PETROLEUM ENGINEER

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 | 1976 | | DOLOMITE & SAND | | |
| QUEEN | 2952 | | SAND | | |
| SAN ANDRES | 3697 | | DOLOMITE & ANHYDRITE | | |
| GLORIETTA | 5225 | | SAND & DOLOMITE | | |
| YESO | 5301 | | DOLOMITE & ANHYDRITE | | |
| TUBB | 6736 | | SAND | | |

32. Additional remarks (include plugging procedure):
Acid, Fracture, Treatment, Cement Squeeze etc. continued...

6180-6380 ACIDIZE W/3,500 GALS 15% ACID.
6180-6380 FRAC W/ 115,000 GALS GEL, 147,364# 16/30 OTTAWA SAND, 32,839# 16/30 SUPER LC.

6450-6650 ACIDIZE W/3,500 GALS 15% ACID.
6450-6650 FRAC W/116,495 GALS GEL, 147,108# 16/30 OTTAWA SAND, 32,997# 16/30 SUPER LC.

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 #88710 Verified by the BLM Well Information System.**
**For COG OPERATING LLC, sent to the Hobbs**
**Committed to AFMSS for processing by KURT SIMMONS on 06/29/2010 (10KMS0605SE)**

Name *(please print)* KANICIA CARRILLO  Title PREPARER

Signature (Electronic Submission)  Date 06/29/2010

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 fradulent statements or representations as to any matter within its jurisdiction.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

## Additional data for transaction #88710 that would not fit on the form

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

| Depth Interval | Amount and Type of Material |
|---|---|
| 6180 TO 6380 | gal gel, 147364# 16/30 Ottawa sand, 32839# 16/30 Super LC |
| 6180 TO 6380 | gal acid |
| 6450 TO 6650 | gal acid |
| 6450 TO 6650 | gal gel, 147108# 16/30 Ottawa sand, 32997# 16/30 super LC |

**32. Additional remarks, continued**