

HOBBS OCD

OCD Hobbs

Form 3160-4  
(August 2007)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

JUN 15 2011

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

5. Lease Serial No.  
NMNM36916

|  |  |  |  |  |                 |
|--|--|--|--|--|-----------------|
| 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>CIMAREX ENERGY COMPANY OF TEXAS<br>Contact: CAROLYN LARSON<br>Email: clarons@cimarex.com  |  |  | 8. Lease Name and Well No.<br>NORTH MADURO FEDERAL UNIT 6  |  |                 |
| 3. Address 600 NORTH MARIENFELD STREET, SUITE 600<br>MIDLAND, TX 79701   |  | 3a. Phone No. (include area code)<br>Ph: 432-620-1946  | 9. API Well No.<br>30-025-40038-00-S1  |  |                 |
| 4. Location of Well (Report location clearly and in accordance with Federal requirements)*<br>Sec 20 T19S R33E Mer NMP<br>At surface SWNW Lot E 2310FNL 560FWL<br>At top prod interval reported below<br>At total depth      |  |  | 10. Field and Pool, or Exploratory<br>CRAZY HORSE  |  |                 |
|  |  |  | 11. Sec., T., R., M., or Block and Survey<br>or Area Sec 20 T19S R33E Mer NMP  |  |                 |
|  |  |  | 12. County or Parish<br>LEA  |  | 13. State<br>NM |
| 14. Date Spudded<br>02/07/2011   | 15. Date T.D. Reached<br>02/18/2011        | 16. Date Completed<br><input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod<br>05/01/2011 | 17. Elevations (DF, KB, RT, GL)*<br>3612 GL  |  |                 |
| 18. Total Depth.<br>MD 5513<br>TVD 5513  | 19. Plug Back T.D.:<br>MD 5483<br>TVD 5483 | 20. Depth Bridge Plug Set:<br>MD<br>TVD  |  |  |                 |
| 21. Type Electric & Other Mechanical Logs Run (Submit copy of each)<br>DUALSPACEDNEUTR   |  |  | 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 Cementer Depth | No. of Sks. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|-------------|------------|----------|-------------|----------------------|------------------------------|-------------------|-------------|---------------|
| 16.000    | 11.750 H-40 | 42.0       | 0        | 1332        |                      | 1020                         |                   | 0           |               |
| 11.000    | 8.625 J-55  | 24.0       | 0        | 2962        |                      | 790                          |                   | 0           |               |
| 7.875     | 5.500 J-55  | 17.0       | 0        | 5513        |                      | 550                          |                   | 1832        |               |
|           |             |            |          |             |                      |                              |                   |             |               |
|           |             |            |          |             |                      |                              |                   |             |               |
|           |             |            |          |             |                      |                              |                   |             |               |
|           |             |            |          |             |                      |                              |                   |             |               |

## 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 | 5359           | 5325              |      |                |                   |      |                |                   |

## 25. Producing Intervals

## 26. Perforation Record

| Formation        | Top  | Bottom | Perforated Interval | Size  | No Holes | Perf. Status |
|------------------|------|--------|---------------------|-------|----------|--------------|
| A) CHERRY CANYON | 5411 | 5459   | 5426 TO 5454        | 0.000 | 158      | OPEN         |
| B)               |      |        |                     |       |          |              |
| C)               |      |        |                     |       |          |              |
| D)               |      |        |                     |       |          |              |

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

| Depth Interval | Amount and Type of Material   |
|----------------|---|
| 5426 TO 5454   | gal 7 5% NEFE w/ 160 BS   |
| 5426 TO 5454   | gal Borate XL w/ 5514# 16/30 Brady sand, 17132 gal Borate XL w/ 21097# 16/30 Brady sand |

## 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 |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|----------------------|-------------|-------------------|
| 05/08/2011          | 05/18/2011        | 24           | →               | 50.0    | 4.0     | 8.0       | 38.4                 |             |                   |
| Choke Size          | Tbg Press Flwg SI | Csg Press    | 24 Hr Rate      | Oil BBL | Gas MCF | Water BBL | Gas Oil Ratio        | Well Status |                   |
|                     | 130               | 50.0         | →               | 50      | 4       | 8         | 80                   | 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 #108703 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

ACCEPTED FOR RECORD

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE  
ELECTRIC PUMP SUB-SURFACE

JUN 15 2011

## 28b. Production - Interval C

|                     |                   |              |                      |         |         |           |                      |             |                   |
|---------------------|-------------------|--------------|----------------------|---------|---------|-----------|----------------------|-------------|-------------------|
| Date First Produced | Test Date         | Hours Tested | Test Production<br>→ | 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<br>→      | Oil BBL | Gas MCF | Water BBL | Gas Oil Ratio        | Well Status |                   |

## 28c. Production - Interval D

|                     |                   |              |                      |         |         |           |                      |             |                   |
|---------------------|-------------------|--------------|----------------------|---------|---------|-----------|----------------------|-------------|-------------------|
| Date First Produced | Test Date         | Hours Tested | Test Production<br>→ | 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<br>→      | 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<br>QUEEN | 3138<br>4147 |

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

## 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 #108703 Verified by the BLM Well Information System.  
For CIMAREX ENERGY COMPANY OF CO, sent to the Hobbs  
Committed to AFMSS for processing by KURT SIMMONS on 05/24/2011 (11KMS0753SE)**

Name (please print) CAROLYN LARSONTitle REGULATORY ANALYST

Signature \_\_\_\_\_ (Electronic Submission)

Date 05/20/2011

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 \*\***