

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.  
NMNM1278941a. 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  
CIMAREX ENERGY COMPANY OF TEXAS  
Contact: ARICKA EASTERLING  
Email: aeasterling@cimarex.com8. Lease Name and Well No.  
DIAMONDTAIL 23 FEDERAL 83. Address  
600 NORTH MARIENFELD STREET, SUITE 600  
MIDLAND, TX 797013a. Phone No. (include area code)  
Ph: 918-585-11009. API Well No.  
30-025-40783-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface NENE 330FNL 600FEL

At top prod interval reported below NENE 330FNL 600FEL

At total depth SESE 335FSL 412FEL

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RECEIVED

10. Field and Pool, or Exploratory  
DIAMONDTAIL11. Sec., T., R., M., or Block and Survey  
or Area Sec 23 T23S R32E Mer NMP12. County or Parish  
LEA13. State  
NM14. Date Spudded  
10/02/201415. Date T.D. Reached  
10/20/201416. Date Completed  
☐ D & A ☒ Ready to Prod.  
02/12/201517. Elevations (DF, KB, RT, GL)\*  
3718 GL18. Total Depth: MD  
TVD 14264  
977919. Plug Back T.D.: MD  
TVD 1425120. Depth Bridge Plug Set: MD  
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
DSN&DLL22. 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 Sk. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|------------|-------------|----------|-------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 17.500    | 13.375 J55 | 48.0        |          | 1340        |                      | 1050                        |                   |             | 433           |
| 12.250    | 9.625 J55  | 40.0        |          | 4910        |                      | 1400                        |                   |             | 77            |
| 8.500     | 5.500 L80  | 20.0        |          | 14264       |                      | 2250                        |                   | 2710        | 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) |
|-------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 2.375 | 9260           | 9260              |      |                |                   |      |                |                   |

## 25. Producing Intervals

## 26. Perforation Record

| Formation      | Top  | Bottom | Perforated Interval | Size  | No. Holes | Perf. Status   |
|----------------|------|--------|---------------------|-------|-----------|----------------|
| A) BONE SPRING | 9800 | 14235  | 9980 TO 14235       | 0.000 | 576       | OPEN(17644) BS |
| B)             |      |        |                     |       |           |                |
| C)             |      |        |                     |       |           |                |
| D)             |      |        |                     |       |           |                |

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

| Depth Interval | Amount and Type of Material                            |
|----------------|--|
| 9800 TO 14235  | FRAC WITH 7,063,260 GAL FRAC FLUID & 6,754,336 # 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 |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|
| 02/12/2015          | 02/18/2015           | 24           | →               | 200.0   | 380.0   | 1327.0    | 44.2                  |             |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |
| 18                  | 590                  | 580.0        | →               | 200     | 340     | 1328      | 1900                  | POW         |

ACCEPTED FOR RECORD  
GAS LIFT

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## 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 |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|
|                     |                      |              | →               |         |         |           |                       |             |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |
|                     |                      |              | →               |         |         |           |                       |             |

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #298002 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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## 28b. Production - Interval C

|                     |                            |              |                      |         |         |           |                          |             |                   |
|---------------------|----------------------------|--------------|----------------------|---------|---------|-----------|--------------------------|-------------|-------------------|
| Date First Produced | Test Date                  | Hours Tested | Test Production<br>→ | Oil BBL | Gas MCF | Water BBL | Oil Gravity<br>Corr. API | Gas Gravity | Production Method |
| Choke Size          | Tbg. Press.<br>Flwg.<br>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<br>Corr. API | Gas Gravity | Production Method |
| Choke Size          | Tbg. Press.<br>Flwg.<br>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.)  
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 |
| BELL CANYON   | 4980 | 5835   | WATER                        | RUSTLER     | 1208        |
| CHERRY CANYON | 5835 | 7180   | WATER                        | TOP OF SALT | 1346        |
| BONE SPRING   | 8750 | 9975   | WATER, OIL, GAS              | DELAWARE    | 4925        |
|               |      |        |                              | BONE SPRING | 8824        |

32. Additional remarks (include plugging procedure):  
Logs are being sent to the Carlsbad Field office.

## 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 #298002 Verified by the BLM Well Information System.**  
**For CIMAREX ENERGY COMPANY OF CO, sent to the Hobbs**  
**Committed to AFMSS for processing by LINDA JIMENEZ on 04/14/2015 (1SLJ0949SE)**

Name (please print) ARICKA EASTERLINGTitle REGULATORY ANALYST

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

Date 04/13/2015

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 \*\***