

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

NMOCB Copy

1a. Type of Well Oil Well Gas Well Dry Other
 b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.
 Other _____

2. Name of Operator **CIMAREX ENERGY COMPANY OF TEXAS** Contact: ARICKA EASTERLING
 Email: aeasterling@cimarex.com

3. Address **600 NORTH MARIENFELD STREET, SUITE 600
 MIDLAND, TX 79701** 3a. Phone No. (include area code) **HOBBSS CD**
 Ph: 918-585-1100

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface **NWNE 330FNL 2055FEL**
 At top prod interval reported below **NWNE 330FNL 2055FEL**
 At total depth **SWSE 359FSL 2043FEL**

5. Lease Serial No. **NMNM127894**

6. If Indian, Allottee or Tribe Name _____

7. Unit or CA Agreement Name and No. _____

8. Lease Name and Well No. **DIAMONDTAIL 23 FEDERAL 5**

9. API Well No. **30-025-40771-00-S1**

10. Field and Pool, or Exploratory **DIAMONDTAIL**

11. Sec., T., R., M., or Block and Survey or Area **Sec 23 T23S R32E Mer NMP**

12. County or Parish **LEA** 13. State **NM**

14. Date Spudded **01/23/2015** 15. Date T.D. Reached **02/09/2014** 16. Date Completed **RECEIVED**
 D & A Ready to Prod. **02/12/2015**

17. Elevations (DF, KB, RT, GL)* **3724 GL**

18. Total Depth: **MD 13970 TVD 9701** 19. Plug Back T.D.: **MD 13967 TVD** 20. Depth Bridge Plug Set: **MD TVD**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) **3724 GL**

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 Sk. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|------------|-------------|----------|-------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 17.500 | 13.375 J55 | 48.0 | | 1340 | | 1050 | | | 289 |
| 12.250 | 9.625 J55 | 40.0 | | 4920 | | 1400 | | | 262 |
| 8.500 | 5.500 P110 | 17.0 | | 13970 | | 1850 | | 1550 | 0 |
| 5.500 | 3.500 L80 | 13.0 | 9015 | 12500 | | 175 | | 9030 | |

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 | 9010 | 8998 | | | | | | |

25. Producing Intervals

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|----------------|------|--------|---------------------|-------|-----------|-----------------|
| A) BONE SPRING | 9875 | 13940 | 9875 TO 12445 | 0.000 | 384 | OPEN (17644) BS |
| B) | | | 12566 TO 13940 | 0.000 | 342 | OPEN |
| C) | | | | | | |
| D) | | | | | | |

26. Perforation Record

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

| Depth Interval | Amount and Type of Material |
|----------------|--|
| 9875 TO 12445 | FRAC WITH 3,977,574 GAL FRAC FLUID & 3,981,950 # SAND. |
| 12566 TO 13940 | FRAC WITH 2,382,748 GAL FRAC FLUID & 2,321,807 # 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* |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|---------------------------------|
| 02/12/2015 | 02/23/2015 | 24 | → | 508.0 | 1090.0 | 1151.0 | 44.2 | | ACCEPTED FOR RECORD GAS LIFT |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| 18 | 680 | 670.0 | → | 508 | 1090 | 1151 | 2146 | 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 |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|--|
| | | | → | | | | | | BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE |
| 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 #298249 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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MAY 19 2015

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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 |
| 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):

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 #298249 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 04/29/2015 (15LJ0968SE)**

Name(please print) ARICKA EASTERLING Title REGULATORY ANALYST

Signature _____ (Electronic Submission) Date 04/15/2015

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.