

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NMNM117116

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** Contact: **HOPE KNAULS**  
 E-Mail: **hknauls@cimarex.com**

3. Address **202 S CHEYENNE AVE SUITE 1000** 3a. Phone No. (include area code)  
**TULSA, OK 74103.4346** Ph: **918-585-1100**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface **NENE 453FNL 417FEL 32.001651 N Lat, 104.131715 W Lon**  
 At top prod interval reported below **Lot 3 400FSL 1017FEL**  
 At total depth **Lot 2 394FSL 330FWL**

6. If Indian, Allottee or Tribe Name  
 7. Unit or CA Agreement Name and No.  
**NMNM136664**

8. Lease Name and Well No.  
**FOXX 31 FEDERAL 4H**

9. API Well No.  
**30-015-43150-00-S1**

10. Field and Pool, or Exploratory  
**WC015G04S262625B-BONE SPRING**

11. Sec., T., R., M., or Block and Survey  
 or Area **Sec 31 T26S R27E Mer NMP**

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

14. Date Spudded **12/06/2016** 15. Date T.D. Reached **12/19/2016** 16. Date Completed  
 D & A  Ready to Prod.  
**02/04/2017**

17. Elevations (DF, KB, RT, GL)\*  
**3210 GL**

18. Total Depth: MD **12007** TVD **7227** 19. Plug Back T.D.: MD **12004** TVD **7227** 20. Depth Bridge Plug Set: MD **MD** TVD **TVD**

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

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 H-40 | 48.0        | 0        | 391         |                      | 520                         |                   | 0           |               |
| 12.250    | 9.625 J-55  | 36.0        | 0        | 1890        |                      | 685                         |                   | 0           |               |
| 8.500     | 5.500 L-80  | 17.0        | 0        | 12007       |                      | 2611                        |                   | 2450        |               |

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 | 6867           |                   |      |                |                   |      |                |                   |

25. Producing Intervals

| Formation      | Top  | Bottom | Perforated Interval | Size  | No. Holes | Perf. Status |
|----------------|------|--------|---------------------|-------|-----------|--------------|
| A) BONE SPRING | 7390 | 11980  | 7390 TO 11980       | 0.460 | 600       | OPEN         |
| B)             |      |        |                     |       |           |              |
| C)             |      |        |                     |       |           |              |
| D)             |      |        |                     |       |           |              |

26. Perforation Record

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

| Depth Interval | Amount and Type of Material |
|----------------|-----------------------------|
| 7390 TO 11980  | PLEASE SEE FRAC FOCUS       |

**NM OIL CONSERVATION**  
**ARTESIA DISTRICT**  
**AUG 29 2017**

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 |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 02/04/2017          | 02/04/2017        | 24           | →               | 979.0   | 1737.0  | 1570.0    |                       |             | GAS LIFT          |
| Choke Size          | Tbg. Press. Flwg. | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |
| 24                  | SI 515            | 960.0        | →               | 979     | 1737    | 1570      | 1774                  | 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. | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |
|                     | SI                |              | →               |         |         |           |                       |             |                   |

(See Instructions and spaces for additional data on reverse side)  
 ELECTRONIC SUBMISSION #370012 VERIFIED BY THE BLM WELL INFORMATION SYSTEM  
**DAVID R. GLASS**  
**PETROLEUM ENGINEER**  
**RECLAMATION DUE: AUG 04 2017**

\*\* BLM REVISED \*\*

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 |
| BELL CANYON   | 1953 | 2950   | WATER                        | SALADO        | 1247        |
| CHERRY CANYON | 2950 | 4134   | WATER                        | CASTILE       | 1775        |
| BRUSHY CANYON | 4134 | 5637   | WATER                        | BELL CANYON   | 1953        |
| BONE SPRING   | 5637 | 7195   | WATER AND OIL                | CHERRY CANYON | 2950        |
|               |      |        |                              | BRUSHY CANYON | 4134        |
|               |      |        |                              | BONE SPRING   | 5637        |

32. Additional remarks (include plugging procedure):  
Cimarex Energy requests to hold all completion paperwork and logs confidential.

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 #370012 Verified by the BLM Well Information System.  
For CIMAREX ENERGY COMPANY, sent to the Carlsbad  
Committed to AFMSS for processing by DUNCAN WHITLOCK on 04/06/2017 (17DW0042SE)**

Name (please print) HOPE KNAULS Title REGULATORY TECHNICIAN

Signature \_\_\_\_\_ (Electronic Submission) Date 03/15/2017

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.