

NM OIL CONSERVATION
ARTESIA DISTRICT

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JAN 13 2015
OCD Artesia

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG RECEIVED

3. Lease Serial No.
NMNM0560353

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: ARICKA EASTERLING
 E-Mail: aeasterling@cimarex.com

3. Address: 202 S. CHEYENNE, SUITE 1000 TULSA, OK 74103
 3a. Phone No. (include area code) Ph: 918-560-7060

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface NWNW 1075FNL 1890FWL Sec 11 T19S R30E Mer
 At top prod interval reported below NWNW 1075FNL 1890FWL Sec 11 T19S R30E Mer
 At total depth NWNW 506FNL 348FWL Sec 10 T19S R30E Mer

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

8. Lease Name and Well No. CRESCENT HALE 10 FED 1H
 9. API Well No. 30-015-39824

10. Field and Pool, or Exploratory BENSON BONE SPRING
 11. Sec., T., R., M., or Block and Survey or Area Sec 11 T19S R30E Mer
 12. County or Parish EDDY 13. State NM

14. Date Spudded 06/09/2014 15. Date T.D. Reached 06/28/2014
 16. Date Completed D & A Ready to Prod. 08/28/2014

17. Elevations (DF, KB, RT, GL)* 3399 GL

18. Total Depth: MD 15207 TVD 8462 19. Plug Back T.D.: MD 15177 TVD 15177 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) N/A
 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 |
|-----------|------------|-------------|----------|-------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 5 17.500 | 13.375 J55 | 54.5 | 0 | 475 | | 510 | | 0 | 188 |
| 5 12.250 | 9.625 L80 | 40.0 | 0 | 3700 | | 1585 | | 0 | 142 |
| 8.500 | 7.000 P110 | 26.0 | 0 | 8046 | | | | | |
| 8.500 | 5.500 P110 | 17.0 | 8046 | 15195 | | 2104 | | 0 | 60 |

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 | 4900 | | | | | | | |

25. Producing Intervals 26. Perforation Record

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|----------------|------|--------|---------------------|-------|-----------|--------------|
| A) BONE SPRING | 9330 | 15175 | 9330 TO 15175 | 0.540 | 528 | OPEN |
| B) | | | | | | |
| C) | | | | | | |
| D) | | | | | | |

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

| Depth Interval | Amount and Type of Material |
|----------------|---|
| 9330 TO 15175 | FRAC WITH 2,281,483 & GAL TOTAL FLUID & 3,679,048 # 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 |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|---------------------------|
| 08/28/2014 | 09/12/2014 | 24 | → | 517.0 | 695.0 | 1056.0 | 40.6 | | ELECTRIC PUMP SUB-SURFACE |
| Choke Size | Tbg. Press. Flwg. | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| 18 | 250 | 160.0 | → | 517 | 695 | 1056 | 1344 | PGW | |

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 | |
| | | | → | | | | | | |

ACCEPTED FOR RECORD
 ELECTRIC PUMP SUB-SURFACE
 JAN 7 2015
 [Signature]
 BUREAU OF LAND MANAGEMENT
 CARLSBAD FIELD OFFICE

(See Instructions and spaces for additional data on reverse side)
 ELECTRONIC SUBMISSION #269585 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
RECLAIMATION OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED Accepted for record
 DUE 3/12/15 NMOCOD UD

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 |
| CAPITAN REEF BONE SPRING | 3790 6075 | | LIMESTONE, LIMESTONE; SANDSTONE | SALADO CASTILLE CAPITAN REEF BONE SPRING | 600 1850 3790 6075 |

32. Additional remarks (include plugging procedure):

7" & 5.5" casing cemented at the same time, together they used 2104 sks of cement and circulated 60 sks to surface.

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 #269585 Verified by the BLM Well Information System.
For CIMAREX ENERGY COMPANY, sent to the Carlsbad
Committed to AFMSS for processing by DEBORAH HAM on 12/30/2014 ()

Name (please print) ARICKA EASTERLING Title REGULATORY ANALYST

Signature (Electronic Submission) Date 10/09/2014

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.