

NMOC D Copy

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NMNM26394

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No. CASCADE 29 FEDERAL 3H

9. API Well No. 30-025-41241-00-S1

10. Field and Pool, or Exploratory WC-025 G08 S253235G

11. Sec., T., R., M., or Block and Survey or Area Sec 29 T25S R33E Mer NMP

12. County or Parish LEA 13. State NM

14. Date Spudded 05/06/2014 15. Date T.D. Reached 06/06/2014 16. Date Completed 12/16/2014
 D & A Ready to Prod.

17. Elevations (DF, KB, RT, GL)* 3412 GL

18. Total Depth: MD 14241 TVD 9869 19. Plug Back T.D.: MD 14185 TVD 14185 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) DSN&DLL 22. Was well cored? No Yes (Submit analysis)
 Was DST run? No Yes (Submit analysis)
 Directional Survey? No Yes (Submit analysis)

FEB 13 2015

RECEIVED

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 | 0 | 1053 | | 950 | | 0 | 410 |
| 12.250 | 9.625 J55 | 40.0 | 0 | 4900 | | 1530 | | 0 | 239 |
| 8.500 | 5.500 L80 | 20.0 | 0 | 14241 | | 1810 | | 1200 | 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 | 9246 | 9246 | | | | | | |

25. Producing Intervals 26. Perforation Record

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|----------------------|-------|--------|---------------------|-------|-----------|------------------------------|
| A) BONE SPRING LOWER | 10000 | 14170 | 10000 TO 14170 | 0.000 | 552 | OPEN (97903) Bone Spring Lwr |
| B) | | | | | | |
| C) | | | | | | |
| D) | | | | | | |

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

| Depth Interval | Amount and Type of Material |
|----------------|---|
| 10000 TO 14170 | FRAC WITH 6,688,316 GAL TOTAL FLUID & 6,571,363 # SAND. |

ACCEPTED FOR RECORD

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 |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 12/27/2014 | 01/20/2015 | 24 | ▶ | 263.0 | 467.0 | 866.0 | 45.5 | | GAS LIFT |
| Choke Size | Tbg. Press. Flwg. | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| 15/64 | SI 950 | 240.0 | ▶ | 263 | 467 | 866 | 1776 | POW | |

FEB 12 2015

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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 | | ▶ | | | | | | |

KZ

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #290605 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
** BLM REVISED **

Reclamation Date: 6/27/2014

FEB 26 2015

AM

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 |
| DELAWARE | 4905 | 9045 | SANDSTONE; WATER SNDSTNE,SHL,LMSTN: OIL & WATER | RUSTLER | 984 |
| BONE SPRING | 9045 | 14312 | | TOP OF SALT | 1128 |
| | | | | BASE OF SALT | 4687 |
| | | | | DELAWARE | 4913 |
| | | | | CHERRY CANYON | 5976 |
| | | | | BONE SPRING | 9017 |

32. Additional remarks (include plugging procedure):
Logs were sent to Carlsbad Office via Fed Ex.

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 #290605 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 02/11/2015 (15LJ0657SE)**

Name (please print) ARICKA EASTERLING Title REGULATORY ANALYST

Signature _____ (Electronic Submission) Date 02/05/2015

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.