

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION
ARTESIA DISTRICT
JUL 31 2014

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMLC029395B

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
LEE FEDERAL 87

9. API Well No.
30-015-41842-00-S1

10. Field and Pool, or Exploratory
CEDAR LAKE

11. Sec., T., R., M., or Block and Survey
or Area Sec 20 T17S R31E Mer NMP

12. County or Parish
EDDY

13. State
NM

17. Elevations (DF, KB, RT, GL)*
3638 GL

16. Date Completed
☐ D & A ☒ Ready to Prod.
05/01/2014

18. Total Depth: MD 6397
TVD

19. Plug Back T.D.: MD 6350
TVD

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
SBGR-CCL BHPL BHCS-SGR HI-RESLL CN

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

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
APACHE CORPORATION

Contact: FATIMA VASQUEZ
E-Mail: fatima.vasquez@apachecorp.com

3. Address 303 VETERANS AIRPARK LANE SUITE 3000
MIDLAND, TX 79705

3a. Phone No. (include area code)
Ph: 432-818-1015

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

At surface SWSW 330FSL 990FWL 32.813704 N Lat, 103.897247 W Lon

At top prod interval reported below SWSW 330FSL 990FWL 32.813704 N Lat, 103.897247 W Lon

At total depth SWSW 330FSL 990FWL 32.813704 N Lat, 103.897247 W Lon

14. Date Spudded
02/06/2014

15. Date T.D. Reached
02/19/2014

18. Total Depth: MD 6397
TVD

19. Plug Back T.D.: MD 6350
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
SBGR-CCL BHPL BHCS-SGR HI-RESLL CN

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 | 427 | | 640 | | 345 | |
| 11.000 | 8.625 J-55 | 32.0 | 0 | 3512 | | 1660 | | 710 | |
| 7.875 | 5.500 J-55 | 17.0 | 0 | 6397 | | 960 | | 48 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

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 | 6339 | | | | | | | |

25. Producing Intervals

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|-------------|------|--------|---------------------|-------|-----------|--------------|
| A) GLORIETA | 4756 | 4844 | 4760 TO 5349 | 1.000 | 28 | PRODUCING |
| B) YESO | 4844 | 6397 | 5414 TO 6270 | 1.000 | 34 | PRODUCING |
| C) | | | | | | |
| D) | | | | | | |

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

| Depth Interval | Amount and Type of Material |
|----------------|--|
| 4760 TO 5349 | 198,576 GALS 20#, 272,945# SAND, 3654 GALS ACID, 4620 GALS GEL |
| 5414 TO 6270 | 236,754 GALS 20#, 295,126# SAND, 4884 GALS ACID, 4284 GALS GEL |

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 |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|
| 05/01/2014 | 07/01/2014 | 24 | → | 13.0 | 279.0 | 12.0 | 37.1 | |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status |
| | | | → | 13 | 279 | 12 | 923 | 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 |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|
| | | | → | | | | | |
| 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 #252955 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

RECLAMATION
DUE 11-1-14

APPROVED
IN SYSTEM

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 |
|--------------|------|--------|------------------------------|--------------|--------------------|
| RUSTLER | 274 | 380 | SANDSTONE / ANHYDRITE | RUSTLER | 274 |
| YATES | 1492 | 1809 | SANDSTONE | YATES | 1492 |
| SEVEN RIVERS | 1809 | 2435 | DOLOMITE / ANHYDRITE - GAS | SEVEN RIVERS | 1809 |
| GRAYBURG | 2802 | 3208 | SS* / DOLOMITE - GAS & WATER | GRAYBURG | 2802 |
| GLORIETA | 4756 | 4844 | SANDSTONE - OIL, GAS & WATER | GLORIETA | 4756 |
| PADDOCK | 4844 | 5246 | DOLOMITE - OIL, GAS & WATER | PADDOCK | 4844 |
| BLINEBRY | 5246 | 6327 | DOLOMITE - OIL, GAS & WATER | BLINEBRY | 5246 |
| TUBB | 6327 | | SANDSTONE - OIL, GAS & WATER | TUBB | 6327 |

32. Additional remarks (include plugging procedure):
Formation Tops Continued:

Ogallala - Water formation above Rustler - not logged.
Tansill Salt - Sandstone / Anhydrite - 380'-680'.
Bottom Salt - Sandstone / Anhydrite - 680'-1492'.
Queen - Sandstone / Dolomite - Gas - 2435'-2802'.
San Andres - Carbonate - Oil, Gas & Water - 3208'-4756'.
Tubb - didn't drill far enough to get bottom depth of Tubb.

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 #252955 Verified by the BLM Well Information System.
For APACHE CORPORATION, sent to the Carlsbad
Committed to AFMSS for processing by DUNCAN WHITLOCK on 07/14/2014 (14DW0170SE)

Name (please print) FATIMA VASQUEZTitle REGULATORY ANALYST II

Signature _____ (Electronic Submission)

Date 07/14/2014

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.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

Additional data for transaction #252955 that would not fit on the form

32. Additional remarks, continued

* SS - Sandstone

Attachments - Frac Disclosure, OCD Forms C-102 & C-104. Logs mailed 05/23/2014.