

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

| | | |
|--|---|--|
| ¹ Operator name and Address Apache Corporation 303 Veterans Airpark Lane Suite 3000 Midland TX 79705 | | ² OGRID Number 873 |
| | | ³ Reason for Filing Code/ Effective Date NW / 04/16/2014 |
| ⁴ API Number 30-015-41902 | ⁵ Pool Name Cedar Lake; Glorieta-Yeso | ⁶ Pool Code 96831 |
| ⁷ Property Code 308720 | ⁸ Property Name Lee Federal | ⁹ Well Number 083 |

II. ¹⁰Surface Location

| | | | | | | | | | |
|--------------------|---------------|-----------------|--------------|---------|----------------------|---------------------------|-----------------------|------------------------|----------------|
| UL or lot no. O | Section 20 | Township 17S | Range 31E | Lot Idn | Feet from the 865 | North/South Line South | Feet from the 2125 | East/West line East | County Eddy |
|--------------------|---------------|-----------------|--------------|---------|----------------------|---------------------------|-----------------------|------------------------|----------------|

¹¹ Bottom Hole Location

| | | | | | | | | | |
|-----------------------------|---|--|-----------------------------------|------------------------------------|-------------------------------------|------------------|---------------|----------------|--------|
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| ¹² Lse Code F | ¹³ Producing Method Code P | ¹⁴ Gas Connection Date 04/16/2014 | ¹⁵ C-129 Permit Number | ¹⁶ C-129 Effective Date | ¹⁷ C-129 Expiration Date | | | | |

III. Oil and Gas Transporters

| | | |
|---|---|---------------------|
| ¹⁸ Transporter OGRID | ¹⁹ Transporter Name and Address | ²⁰ O/G/W |
| 221115 | Frontier Field Services LLC 4200 East Skelly Drive Suite 700 Tulsa OK 74135 | G |
| 252293 | Holly Energy Pipeline 311 W Quay / PO Box 1360 Artesia NM 88210 | O |
| NM OIL CONSERVATION ARTESIA DISTRICT JUL 16 2014 | | |

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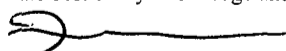
IV. Well Completion Data

| | | | | | |
|---------------------------------------|--|---------------------------|-----------------------------|---|-----------------------|
| ²¹ Spud Date 02/21/2014 | ²² Ready Date 04/16/2014 | ²³ TD 6417' | ²⁴ PBDT 6370' | ²⁵ Perforations 4849'-6232' | ²⁶ DHC, MC |
| ²⁷ Hole Size | ²⁸ Casing & Tubing Size | ²⁹ Depth Set | ³⁰ Sacks Cement | | |
| 17-1/2" | 13-3/8" | 405' | 574 sx Class C | | |
| 11" | 8-5/8" | 3526' | 1830 sx Class C | | |
| 7-7/8" | 5-1/2" | 6417' | 950 sx Class C | | |
| Tubing | 2-7/8" | 6331' | | | |

V. Well Test Data

| | | | | | |
|--|---|---------------------------------------|---------------------------------|-----------------------------|--------------------------------|
| ³¹ Date New Oil 04/16/2014 | ³² Gas Delivery Date 04/16/2014 | ³³ Test Date 06/15/2014 | ³⁴ Test Length 24 | ³⁵ Tbg. Pressure | ³⁶ Csg. Pressure |
| ³⁷ Choke Size | ³⁸ Oil 71 | ³⁹ Water 293 | ⁴⁰ Gas 94 | | ⁴¹ Test Method P |

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: 

Printed name:
Fatima Vasquez

Title:
Regulatory Analyst II

E-mail Address:
Fatima.Vasquez@apachecorp.com

Date:
06/19/2014

Phone:
(432) 818-1015

OIL CONSERVATION DIVISION

Approved by:



Title:



Approval Date:

7-29-14

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMLC029395B

| | | | | | |
|---|--|--|---|--|--|
| 1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other | | | 6. If Indian, Allottee or Tribe Name | | |
| b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____ | | | 7. Unit or CA Agreement Name and No. | | |
| 2. Name of Operator APACHE CORPORATION | | | Contact: FATIMA VASQUEZ E-Mail: fatima.vasquez@apachecorp.com | | |
| 3. Address 303 VETERANS AIRPARK LANE STE 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 SWSE 865FSL 2125FEL 32.815184 N Lat, 103.890251 W Lon At top prod interval reported below SWSE 865FSL 2125FEL 32.815184 N Lat, 103.890251 W Lon At total depth SWSE 865FSL 2125FEL 32.815184 N Lat, 103.890251 W Lon | | | 8. Lease Name and Well No. LEE FEDERAL 83 (308720) | | |
| 14. Date Spudded 02/21/2014 | | | 15. Date T.D. Reached 03/04/2014 | | |
| 16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 04/16/2014 | | | 9. API Well No. 30-015-41902 | | |
| 18. Total Depth: MD 6417 TVD | | | 19. Plug Back T.D.: MD 6370 TVD | | |
| 20. Depth Bridge Plug Set: MD TVD | | | 10. Field and Pool, or Exploratory CEDAR LAKE; G-Y (96831) | | |
| 21. Type Electric & Other Mechanical Logs Run (Submit copy of each) SBGR-CCL/BHCS/BHPL/HI-RES LL/CN/HNGR | | | 11. Sec., T., R., M., or Block and Survey or Area Sec 20 T17S R31E Mer | | |
| 22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis) | | | 12. County or Parish EDDY | | |
| | | | 13. State TX | | |
| | | | 17. Elevations (DF, KB, RT, GL)* 3704 GL | | |

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 | | 405 | | 574 | | 0 | |
| 11.000 | 8.625 J-55 | 32.0 | | 3526 | | 1830 | | | |
| 7.875 | 5.500 J-55 | 17.0 | | 6417 | | 950 | | 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) |
|-------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 2.875 | 6331 | | | | | | | |

25. Producing Intervals

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|-------------|------|--------|---------------------|-------|-----------|--------------|
| A) GLORIETA | 4849 | | 4849 TO 5412 | 1.000 | 25 | PRODUCING |
| B) PADDOCK | 4912 | | 5502 TO 6232 | 1.000 | 31 | PRODUCING |
| C) YESO | 4912 | | | | | |
| D) BLINEBRY | 5294 | | | | | |

26. Perforation Record

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

| Depth Interval | Amount and Type of Material | |
|----------------|--|--|
| 4849 TO 5412 | 177,828 GALS 20#, 216,039# SAND, 3696 GALS ACID, 4704 GALS GEL | |
| 5502 TO 6232 | 218,526 GALS 20#, 273,213# SAND, 4758 GALS ACID, 4074 GALS GEL | |
| | | |

NM OIL CONSERVATION

ARTESIA DISTRICT

JUL 16 2014

28. Production - Interval A

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| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-----------------------|
| 04/16/2014 | 06/15/2014 | 24 | → | 71.0 | 94.0 | 293.0 | 37.1 | | ELECTRIC PUMPING UNIT |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| | | | → | | | | 1324 | 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. 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 #252639 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

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 | 316 | 502 | SANDSTONE / ANHYDRITE | RUSTLER | 316 |
| YATES | 1602 | 1889 | SANDSTONE | YATES | 1602 |
| SEVEN RIVERS | 1889 | 2532 | DOLOMITE / ANHYDRITE | SEVEN RIVERS | 1889 |
| GRAYBURG | 2869 | 3304 | SS* / DOLOMITE - GAS & WATER | GRAYBURG | 2869 |
| GLORIETA | 4849 | 4912 | SANDSTONE - OIL, GAS & WATER | GLORIETA | 4849 |
| PADDOCK | 4912 | 5294 | DOLOMITE - OIL, GAS & WATER | PADDOCK | 4912 |
| BLINEBRY | 5294 | 6248 | DOLOMITE - OIL, GAS & WATER | BLINEBRY | 5294 |
| TUBB | 6248 | | SANDSTONE - OIL, GAS & WATER | TUBB | 6248 |

32. Additional remarks (include plugging procedure):

Attachments - Frac Disclosure, OCD Forms C-102 & C-104. Logs mailed 06/17/2014.

* SS - Sandstone

Ogallala - Water formation above Rustler - not logged.

Tansill Salt - Sandstone / Anhydrite - 502'-1502'.

Bottom Salt - Sandstone / Anhydrite - 1502'-1601'.

Queen - Sandstone / Dolomite - Gas - 2532'-2869'.

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 #252639 Verified by the BLM Well Information System.
For APACHE CORPORATION, sent to the Carlsbad

Name (please print) FATIMA VASQUEZ

Title REGULATORY ANALYST II

Signature (Electronic Submission)

Date 07/11/2014

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.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

Additional data for transaction #252639 that would not fit on the form

32. Additional remarks, continued

San Andres - Carbonate - Oil, Gas & Water - 3304'-4849'.
Tubb - didn't drill far enough to get bottom depth of Tubb.