OCD Artesia

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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 ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator: APACHE CORPORATION
Contact: FATIMA VASQUEZ
E-Mail: fatima.vasquez@apachecorp.com

8. Lease Name and Well No.: LEE FEDERAL 65

3. Address: 303 VETERANS AIRPARK LANE SUITE 3000, MIDLAND, TX 79705
3a. Phone No. (include area code): Ph: 432-818-1015

9. API Well No.: 30-015-41109-00-S1

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

At surface: SESE 240FSL 990FEL 32.827963 N Lat, 103.886583 W Lon

At top prod interval reported below: SESE 240FSL 990FEL 32.827963 N Lat, 103.886583 W Lon

At total depth: SESE 240FSL 990FEL 32.827963 N Lat, 103.886583 W Lon

10. Field and Pool, or Exploratory: CEDAR LAKE

11. Sec., T., R., M., or Block and Survey or Area: Sec 17 T17S R31E Mer NMP

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

14. Date Spudded: 11/15/2013
15. Date T.D. Reached: 12/01/2013
16. Date Completed ☐ D & A ☒ Ready to Prod. 01/13/2014
17. Elevations (DF, KB, RT, GL)*: 3708 GL

18. Total Depth: MD 6400 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)
CN SGR BHPL BHCS-SGR HI-RESLL

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 Sks. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|---|---|---|---|---|---|---|---|---|---|
| 17.500 | 13.375 H-40 | 48.0 | 0 | 322 | | 400 | | 0 | |
| 11.000 | 8.625 J-55 | 32.0 | 0 | 3540 | | 3880 | | 0 | |
| 7.875 | 5.500 J-55 | 17.0 | 0 | 6400 | | 1010 | | 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 | 6271 | | | | | | | |

25. Producing Intervals

26. Perforation Record

| | Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|---|---|---|---|---|---|---|---|
| A) | GLORIETA | 4616 | 4707 | 4620 TO 5222 | 1.000 | 26 | PRODUCING |
| B) | YESO | 4707 | 5209 | 5267 TO 6192 | 1.000 | 29 | PRODUCING |
| C) | BLINEBRY | 5209 | 6400 | | | | |
| D) | | | | | | | |

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

| Depth Interval | Amount and Type of Material |
|---|---|
| 4620 TO 5222 | 194,208 GALS 20#, 261,639# SAND, 3234 GALS ACID, 4536 GALS GEL |
| 5267 TO 6192 | 237,678 GALS 20#, 300,535# SAND, 4809 GALS ACID, 3906 GALS GEL |
| | |
| | |

ACCEPTED FOR RECORD
JUL 16 2014
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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 |
|---|---|---|---|---|---|---|---|---|---|
| 01/13/2014 | 01/27/2014 | 24 | → | 170.0 | 205.0 | 220.0 | 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 |
|---|---|---|---|---|---|---|---|---|
| | | | → | 170 | 205 | 220 | 1206 | 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 #235467 VERIFIED BY THE BLM WELL INFORMATION SYSTEM**

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

NM OIL CONSERVATION
ARTESIA DISTRICT
JUL 14 2014
RECEIVED

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 |
|---|---|---|---|---|---|
| | | | | YATES | 1516 |
| | | | | SEVEN RIVERS | 1808 |
| | | | | GRAYBURG | 2761 |
| | | | | GLORIETA | 4616 |
| | | | | PADDOCK | 4707 |
| | | | | YESO | 4707 |
| | | | | BLINEBRY | 5209 |
| | | | | TUBB | 6212 |

32. Additional remarks (include plugging procedure):
Attachments - Frac Disclosure, OCD Forms C-102 & C-104. Logs mailed 02/12/2014.

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 #235467 Verified by the BLM Well Information System.**
**For APACHE CORPORATION, sent to the Carlsbad**
**Committed to AFMSS for processing by DEBORAH HAM on 05/15/2014 (14DMH0388SE)**

Name *(please print)* FATIMA VASQUEZ Title REGULATORY ANALYST II

Signature (Electronic Submission) Date 02/12/2014

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 fradulent statements or representations as to any matter within its jurisdiction.

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