

NM OIL CONSERVATION

ARTESIA DISTRICT
OCD Artesia

AUG 3 2015

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

RECEIVED

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 (308720) 64

9. API Well No.
30-015-41988

10. Field and Pool, or Exploratory
CEDAR LAKE; GLORIETA-YESO

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

12. County or Parish
EDDY

13. State
NM

17. Elevations (DF, KB, RT, GL)*
3668 GL

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 LN
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)*
Sec 20 T17S R31E Mer
At surface NENW 95FNL 1835FWL 32.827029 N Lat, 103.894536 W Lon

At top prod interval reported below

Sec 20 T17S R31E Mer

At total depth NENW 322FNL 2300FWL

14. Date Spudded
10/29/2014

15. Date T.D. Reached
11/07/2014

16. Date Completed
☐ D & A ☒ Ready to Prod.
02/03/2015

18. Total Depth: MD
TVD 6373

19. Plug Back T.D.: MD
TVD 6359

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CN/HI-RES LL/HNGR/BHCS/CAL

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		308		700		0	
11.000	8.625 J-55	32.0		3512		3480		0	
7.875	5.500 J-55	17.0		6373		910		110	

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	6301							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA	4547	4607	4550 TO 5004	1.000	28	PRODUCING
B) PADDOCK	4607	5151	5080 TO 5580	1.000	27	PRODUCING
C) BLINEBRY	5151	6284	5630 TO 6200	1.000	28	PRODUCING
D)						

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

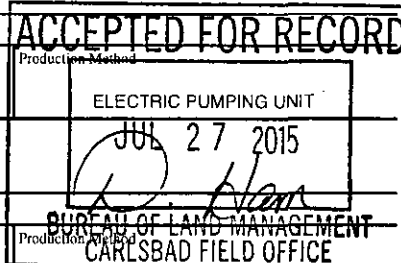
Depth Interval	Amount and Type of Material
4550 TO 5004	28,308 GALS 16# PAD, 157,332 GALS 16# GEL, 226,417# SAND, 6804 GALS ACID, 4494 GALS LINEAR GEL
5080 TO 5580	29,190 GALS 16# PAD, 154,140 GALS 16# GEL, 221,227# SAND, 5229 GALS ACID, 4956 GALS LINEAR GEL
5630 TO 6200	53,466 GALS 16# PAD, 41,916 GALS 16# GEL, 14,357# SAND, 6641 GALS ACID, 18,270 GALS LINEAR 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	Production Method
02/03/2015	03/09/2015	24	→	60.0	238.0	160.0	37.0		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	
			→				3967	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 #301670 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Reclamation
Date: 9/9/15

AB

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	Thg. 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	Thg. 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	284	449	SANDSTONE/ANHYDRITE - N/A	RUSTLER	284
YATES	1441	1730	SANDSTONE - N/A	YATES	1441
SEVEN RIVERS	1730	2340	SS/CARBONATE - OIL, GAS & WATER	SEVEN RIVERS	1730
SAN ANDRES	3038	4547	CARBONATE - OIL, GAS & WATER	SAN ANDRES	3038
GLORIETA	4547	4607	SANDSTONE - OIL, GAS & WATER	GLORIETA	4547
PADDOCK	4607	5151	DOLOMITE - OIL, GAS & WATER	PADDOCK	4607
BLINEBRY	5151	6284	DOLOMITE - OIL, GAS & WATER	BLINEBRY	5151
TUBB	6284		SANDSTONE - OIL, GAS & WATER	TUBB	6284

32. Additional remarks (include plugging procedure):

Attachments - Frac Disclosure, OCD Forms C-102 & C-104. Logs mailed 04/27/2015.

Tansill Salt 449'-1310' Salt - N/A
Bottom Salt 1310'-1441' Salt - N/A
Queen 2340'-3038' SS / Carbonate - Oil, Gas & Water
Tubb - didn't drill far enough to get bottom depth of Tubb.

**SS-Sandstone

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 #301670 Verified by the BLM Well Information System.
For APACHE CORPORATION, sent to the Carlsbad
Committed to AFMSS for processing by DEBORAH HAM on 06/15/2015 ()

Name (please print) FATIMA VASQUEZ

Title REGULATORY ANALYST II

Signature _____ (Electronic Submission)

Date 05/13/2015

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.

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

Additional data for transaction #301670 that would not fit on the form

32. Additional remarks, continued