

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.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
O	20	17S	31E		865	South	2125	East	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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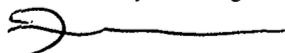
IV. Well Completion Data

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 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 83 (308720)

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

9. API Well No.
30-015-41902

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

10. Field and Pool, or Exploratory
CEDAR LAKE; G-Y (96831)

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

12. County or Parish EDDY
 13. State TX

14. Date Spudded 02/21/2014
 15. Date T.D. Reached 03/04/2014
 16. Date Completed D & A Ready to Prod. 04/16/2014

17. Elevations (DF, KB, RT, GL)*
3704 GL

18. Total Depth: MD 6417 TVD
 19. Plug Back T.D.: MD 6370 TVD
 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
 SBGR-CCL/BHCS/BHPL/HL-RES LL/CN/HNGR
 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		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					

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

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	

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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	
			▶						

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.

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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.