

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**RECEIVED**  
OCT 18 2013  
NMOCD ARTES

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2014

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE** - Other instructions on page 2.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMC-029395B
2. Name of Operator Apache Corporation (873)		6. If Indian, Allottee or Tribe Name
3a. Address 303 Veterans Airpark Ln., Ste 3000 Midland, TX 79705	3b. Phone No. (include area code) (432) 818-1015	7. If Unit of CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2230' FSL & 430' FWL UL: L Sec: 20 T: 17S R: 31E		8. Well Name and No. Lee Federal #46 (308720)
		9. API Well No. 30-015-39915
		10. Field and Pool or Exploratory Area Cedar Lake; Glorieta-Yeso (96831)
		11. County or Parish, State Eddy County, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input checked="" type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Apache completed this well as follows:

- 10/08/12 MIRUSU. RIH w/ bit & tbg.
- 10/10/12 Log TOC @ surface. Perf Blinebry Tubb zone @ 5776', 92', 5809', 27', 46', 64', 81', 96', 5916', 31', 46', 70', 82', 92', 6009', 27', 47', 60', 72', 85', 97', 6111', 32', 40', 56', 78', 95', 6212', 25', 45', w/ 1 SPF, 30 holes.
- 10/11/12 Spot 462 gals Titrate acid. Acidize w/ 3528 gals 15% HCL NEFE acid.
- 10/29/12 Frac w/ 159,964 gals 20# & 208,063# 16/30 sand. Spot 1050 gals 15% HCL & flush w/ 4486 gals 20# linear gel. Set CBP @ 5740'. Perf Upper Blinebry @ 5136', 68', 94', 5207', 28', 55', 90', 5310', 26', 48', 66', 78', 5414', 39', 54', 66', 84', 5512', 28', 48', 60', 74', 87', 5610', 27', 39', 54', 68', 81', 94' w/ 1 SPF, 30 holes. Acidize w/ 4410 gals 15% HCL acid. Frac w/ 160,146 gals 20# & 204,600# 16/30 sand. Spot 1092 gals 15% HCL acid & flush w/ 3906 gals 20# linear gel flush. CBP @ 5110' Perf Glorieta/Paddock @ 4626', 40', 59', 76', 89', 4709', 20', 37', 48', 63', 78', 96', 4809', 19', 34', 47', 61', 74', 96', 4910', 21', 48', 60', 77', 90', 5005', 19', 36', 46', 56', w/ 1 SPF, 30 holes.
- 10/30/12 Acidize w/ 5964 gals 15% HCL. Frac w/ 157,458 gals 20# & 189,463# 16/30 gals acid. Flush w/ 4200 gals 20# linear gel.
- 11/02/12 DO CBP's @ 5110' & 5740'. Circ hole clean to PBTD @ 6380'.
- 11/05/12 RIH w/ 2-7/8" J-55 6.5# prod tbg. SN @ 6264'.
- 11/06/12 RIH w/ pump & rods. Clean location. RDMOSU.
- 11/13/12 Set 640 pumping unit.
- 11/14/12 POP.

Accepted for record  
NMOCD

APDade 01/09/2013

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)  
Fatima Vasquez

Title Regulatory Tech, I

Signature

Date 12/20/2012

ACCEPTED FOR RECORD

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	JAN 5 2013
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	Date
		BUREAU OF LAND MANAGEMENT

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.

(Instructions on page 2)

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