

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**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 reverse side.**

5. Lease Serial No. NMLC029435A
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No.
8. Well Name and No. RAVEN FEDERAL 1
9. API Well No. 30-015-40465-00-S1
10. Field and Pool, or Exploratory CEDAR LAKE
11. County or Parish, and State EDDY COUNTY, NM

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	
2. Name of Operator APACHE CORPORATION	
Contact: FATIMA VASQUEZ E-Mail: Fatima.Vasquez@apachecorp.com	
3a. Address 303 VETERANS AIRPARK LANE SUITE 3000 MIDLAND, TX 79705	3b. Phone No. (include area code) Ph: 432-818-1015
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 7 T17S R31E Lot 3 2190FSL 990FWL	

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

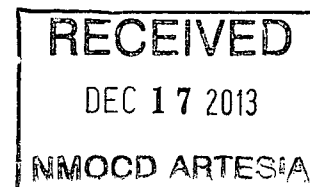
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize <input type="checkbox"/> Deepen <input type="checkbox"/> Production (Start/Resume) <input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> 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 checked="" 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 recompleate 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall 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 recompleated this well as follows:

06/25/2013 MIRUSU. POOH & LD pump & rods.  
06/25/2013 POOH w/ prod tbg.  
06/27/2013 Set CBP @ 5850'. Perf Blinebry @ 5320', 28', 54', 65', 85', 5410', 31', 50', 67', 90', 5516', 28', 49', 60', 78', 97', 5616', 38', 47', 77', 5715', 33', 50', 65', 90', 5810', w/ 1 SPF, 26 holes. Spot 504 gals acid. Acidize w/ 3473 gals 15% HCL NEFE acid.  
06/28/2013 NU frac valve.  
08/05/2013 Frac Blinebry w/ 162,288 gals 20# & 200,699# 16/30 sand. Flush w/ 4200 gals 10# linear gel. Spot 2000 gals 15% HCL. Set CBP @ 5280'. Perf Paddock @ 4655', 71', 85', 99', 4720', 43', 54', 79', 89', 4810', 28', 58', 78', 94', 4910', 36', 60', 81', 95', 5013', 26', 50', 85', 5115', 37', 61', 80', 5200', 30', w/ 1 SPF, 29 holes. Acidize w/ 3500 gals 15% HCL. Frac Paddock w/

Accepted for record  
LDS NMOCD 12/17/13



14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #228205 verified by the BLM Well Information System For APACHE CORPORATION, sent to the Carlsbad Committed to AFMSS for processing by JOHNNY DICKERSON on 12/12/2013 (13KMS6184SE)</b>	
Name (Printed/Typed) FATIMA VASQUEZ	Title REGULATORY TECH
Signature (Electronic Submission)	Date 11/27/2013

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By <b>ACCEPTED</b>	JAMES A AMOS Title SUPERVISOR EPS	Date 12/15/2013
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 Carlsbad

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.

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

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**Additional data for EC transaction #228205 that would not fit on the form**

**32. Additional remarks, continued**

173,796 gals 20# & 210,760# 16/30 sand. Flush w/ 4536 gals 10# linear gel.

08/22/2013 RIH w/ bit & tbg.

08/23/2013 DO CBPs @ 5280' & 5850'. Circ hole clean.

08/24/2013 RIH w/ 2-7/8" J-55 6.5# prod tbg. SN @ 5999'. ETD @ 6085'.

08/25/2013 RIH w/ pump & rods. Clean loc & RDMOSU. RTP.