

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

5. Lease Serial No.
NMLC029435A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

8. Well Name and No.
RAVEN FEDERAL 16H

9. API Well No.
30-015-40913

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

11. County or Parish, and State
EDDY COUNTY, NM

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
APACHE CORPORATION
Contact: SUSAN BLAKEMORE
E-Mail: susan.blakemore@apachecorp.com

3a. Address
303 VETERANS AIRPARK LANE, STE 1000
MIDLAND, TX 79705

3b. Phone No. (include area code)
Ph: 432-818-1966
Fx: 432-818-1988

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 7 T17S R31E Mer NMP NENE 727FNL 1000FEL
32.854155 N Lat, 103.903243 W Lon

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 type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Drilling Operations
	<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 shall 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 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.)

BLM-CO-1463 NATIONWIDE/NMB000736

4/11/2015 SPUD WELL.

4/11/15 Surf 17.5" hole; 13.375", H-40, 48# csg set @ 420'.
Lead: 200 sx Class C (14.40 ppg, 1.61 yld)
Tail: 470 sx Class C (14.8 ppg, 1.34 yld)
Circ 40 bbls/140 sx cmt to surf.

4/12/15 Surf csg pressure test: 1200 psi/30 min-OK.

4/13/15 Drlg f/420'-3500'.

LED 5/28/15
Accepted for record
NMOCD

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #301788 verified by the BLM Well Information System For APACHE CORPORATION, sent to the Carlsbad

Name (Printed/Typed) SUSAN BLAKEMORE	Title DRLG TECH
Signature (Electronic Submission)	Date 05/14/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title _____	Date _____
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 _____

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.

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

Additional data for EC transaction #301788 that would not fit on the form

32. Additional remarks, continued

4/17/15 Inter 12.25" hole; 9.625", HCK-55, 40# csg @ 3500'.
Lead: 1150 sx Class C (12.90 ppg, 1.32 yld)
Tail: 300 sx Class C (14.80 ppg, 1.32 yld)
Circ 85 bbls/248 sx cmt to surf.
Pressure test: 2000 psi/30 min-OK.

4/18-4/23/2015 Drlg f/3500'-8322' TD.

4/24/15 Prod 8.50" hole, 7" L-80, LTC, 29# csg @ 8300'.
Run tapered strg-5.5" LTC, 20# csg with Packers Plus Packer System.
DVT @ 4409'.
Lead: 300 sx POZ C (12.60 ppg, 2.06 yld)
Tail: 200 sx POZ C (13.0 ppg, 1.48 yld)
Circ 20 bbls/54 sx to surf.

4/24/2015 - RR.