

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.

RECEIVED
OCD Artesia
APR 08 2013
NMOCD ARTESIA

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMLC029435A
2. Name of Operator APACHE CORPORATION		6. If Indian, Allottee or Tribe Name
3a. Address 303 VETERANS AIRPARK LANE SUITE 3000 MIDLAND, TX 79705		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 432.818.1167		8. Well Name and No. RAVEN FEDERAL 11H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 8 T17S R31E SWNW 2153FNL 220FWL 32.850246 N Lat, 103.899263 W Lon		9. API Well No. 30-015-40467-00-X1
		10. Field and Pool, or Exploratory CEDAR LAKE
		11. County or Parish, and State EDDY COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 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	Change to Original APD
	<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 recompleat 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 recompleat 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.)

BOND#: BLM-CO-1463 / NMB000736

Apache Corp would like to perform the following cmt job for the 9-5/8" casing string in the Raven Fed Com #11 well, API # 30-015-40467.

- Set 9-5/8" csg on bottom of 12-1/4" interm. hole @ 3501' & run a DVT @ approx 620'. (95 bph water flow was encountered @ 606?')
- Pump 1st stage cmt (200+% excess, TOC @ DV Tool):
Lead: 1000 sx 35/56 Poz/C, 12.6 ppg, 2.07 yield (250% excess TOC @ DV Tool)
Tail: 750 sx Class C, 14.8 ppg, 1.33 yield (200% excess TOC @ 2500?)
- If cmt circ to surf, skip to step #6. Otherwise, open DVT & circ while WOC for 4 to 5 hours.
- Pmp 2nd stage cmt (300% excess TOC @ surf): Single Slurry: 900 sx, 16.4 ppg, 1.00 yld

SEE ATTACHED FOR CONDITIONS OF APPROVAL

Accepted for record

TES
4/9/2013
NMOCD

APPROVED
APR 4 2013
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #203260 verified by the BLM Well Information System For APACHE CORPORATION, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 04/04/2013 (13KMS5803SE)

Name (Printed/Typed) SORINA L FLORES	Title SUPERVISOR - DRILLING SERVICES
Signature (Electronic Submission)	Date 04/04/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>EDWARD FERNANDEZ</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>04/04/2013</u>
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 <u>Carlsbad</u>

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.

Additional data for EC transaction #203260 that would not fit on the form

32. Additional remarks, continued

5. Close DVT.
6. Shut in annulus & hold 100 psi back pressure.
7. WOC for 4 or 5 hrs.
8. Check annulus for flow or pressure.
9. If 2nd stage was not pmpd, drop closing tool & shift DVTI to closed position.

Conditions of Approval

Call in and/or email the BLM the results of stage one

After the cement job; run a CBL from TD to surface and submit to BLM