

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION  
DISTRICT  
Ogd Artesia

MAR 02 2015

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

**SUNDRY NOTICES AND REPORTS ON WELLS RECEIVED**  
**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.  
NMLC-029435B

6. If Indian, Allottee or Tribe Name

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

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Apache Corporation <873>

8. Well Name and No.  
RAVEN FEDERAL 19H <39330>

9. API Well No.  
30-015-40916

3a. Address  
303 Veterans Airpark Lane, Midland TX 79705

3b. Phone No. (include area code)  
432-818-1000/432-818-1168

10. Field and Pool or Exploratory Area  
CEDAR LAKE; GLORIETA-YESO <96831>

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
UL P, SEC 7, T 17S, R 31E, 485 FSL & 180 FEL

11. County or Parish, State  
EDDY

**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 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 <b>DRILLING OPS;</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<b>CASING &amp; CEMENT</b>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	<b>REPORT</b>

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 recomple 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 recomple 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.)

Bond No: BLM-CO-1463

SPUD: 9/17/14

9/17/2014 DRILLED 51' TO 460'; TD SURFACE

CIRC; TOH T/ RUN 13.375" CASING; CIRC HOLE CLEAN F/ CSG; NOTIFIED BLM

9/17 SURFACE CSG 13.375" HOLE 17.5", H-40, 48# SET 460'; FC @ 423'; RAN 7 CENTRALIZERS; CIRC

CMT WITH: 550 SX, CLASS C ( 14.8 PPG, 1.34 YLD);  
CIRC 169 SX  
WOC

SURFACE CSG PRESSURE TEST: 2000 PSI/30 MIN -OK

REPORT CONTINUED ON PAGE 2.

*ASD 3/2/15*  
Accepted for record  
NMLC

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

Michelle Cooper

Title Drig Tech

Signature

*Michelle Cooper*

Date

11-24-14

ACCEPTED FOR RECORD

FEB 25 2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Office

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

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.

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)

**RAVEN FEDERAL 19H End of Well Sundry**

9/18-9/23 DRILL OUT CMT & SHOE TRACK;

START DRLG INTERMEDIATE; DRLG F/460'-3455' TD; CIRC;

9/23 INTERMEDIATE CSG 9.625" HOLE 12.25", J-55, 36# SET 3455'; FC @ 3412'; RAN 25 CENTRALIZERS;

CMT: 1100 SX; (12.9 PPG, 1.92 YLD)

350 SX; (14.8 PPG, 1.33 YLD)

CIRC 190 SX

INTERMEDIATE CSG PRESSURE TEST 2000 PSI/30 MIN – OK

WOC

9/24-10/1 DRLG CMT; PLUG & SHOE; DRLG F/3400' – 3413'; DRLG PRODUCTION VERTICAL SECTION; 3455'-4362'; CIRC; START CURVE; DRLG F/4362'-5162'; START LATERAL @ 5162'-9315'; CIRC; TD PRODUCTION

10/4 PRODUCTION CSG 5.5" HOLE 7.0", L80, 20# SET 9290'; FC @ 9289'; RAN 25 CENTRALIZERS;

CMT: 625 SX; (12.6 PPG, 20 YLD)

CIRC 245 SX

PRODUCTION CSG PRESSURE TEST 2500 PSI/ 30 MIN- OK

10/4/2014 RIG RELEASED