

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OH CONSERVATION
OCD Artesia
MAR 02 2015

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

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

5. Lease Serial No.
NMLC-029435A
6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE – Other instructions on page 2.

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

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

RAVEN FEDERAL 20H <39330>

2. Name of Operator

APACHE CORPORATION <873>

9. API Well No.

30-015-40917

3. Address

**303 VETERANS AIRPARK LN, #3000
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)

LOT P, SEC 7, T 17S, R 31E, 420' FSL & 180' FEL

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

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | |
|---|---|--|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete |
| <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 |

- ☐ Water Shut-Off
☐ Well Integrity
☒ Other

**DRILLING OPS: CASING
& CEMENT REPORT**

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 directional or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attached 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 recompleat 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

8/5/2014 SPUD;

8/5/2014 DRILLED 51' TO 400'; TD SURFACE

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

8/5-6/2014 SURFACE CSG 13.375" HOLE 17.5", H-40, 48# SET 400; FC @ 360'; RAN 8 CENTRALIZERS;

CMT WITH: 200 SX, CLASS C (14.8 PPG, 1.62 YLD);

CIRC 0 SX; NOTIFIED BLM; RUN TEMP SURVEY; TAG CMT@ 162' W/ 1" 50 SX; DID NOT CIRC; WOC; TAG CMT @159' W/1" 50 SX; DID NOT CIRC CMT; WOC; TAG CMT@134' W/1" 130 SX; CIRC CMT 6

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

REPORT CONTINUED ON PAGE 2.

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

Name (Printed/Typed)

MICHELLE COOPER

Title **DRILLING TECH**

Signature

Michelle Cooper

Date **11/20/2014**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

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

**BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD 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.

RAVEN FEDERAL 20 End of Well Sundry

8/7-8/11 DRILL OUT CMT & SHOE TRACK;
START DRLG INTERMEDIATE 400'-3518' TD; CIRC;
INTERMEDIATE CSG PRESSURE TEST 2000 PSI/30 MIN - OK

8/12 INTERMEDIATE CSG 9.625" HOLE 12.250", J-55, 32# SET 3518'; FC @ 3470'; RAN 27 CENTRALIZERS;
CMT: 900 SX; (12.9 PPG, 1.92 YLD)
350 SX; (14.8 PPG, 1.33 YLD)

CIRC 58 SX

8/13 DRLG CMT; PLUG & SHOE TRACK
START DRLG PRODUCTION
DRLG VERTICAL SECTION FROM 3518-4887'

8/14-8/20 START CURVE; DRLG 4887-5650'; LANDED CURVE @ 5650'
START LATERAL 5650'-9638' TD;

8/23 PRODUCTION CSG 5.5" HOLE 7.875", L-80, 20# SET 9608'; FC @ 9606'; RAN 28 CENTRALIZERS;
CMT: 800 SX; (12.6 PPG, 2.0 YLD)

PRODUCTION CSG PRESSURE TEST 2500 PSI/ 30 MIN- OK

8/24/2014 RIG RELEASED