

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

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

5. Lease Serial No.

NMLC-029435A

6. If Indian, Allottee or Tribe Name

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 #1 <39330>

2. Name of Operator

APACHE CORPORATION <873>

9. API Well No.

30-015-40465

3. Address

**303 VETERANS AIRPARK LN, #3000
MIDLAND, TX 79705**

3b. Phone No. (include area Code)

432-818-1117 / 432-818-1198

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: SEC 7, T17S, R31E, 2190' FSL & 990' FWL

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****10/3/2012 – SPUD****10/4/2012 – 13-3/8" Surface, 17.5" Hole, H-40, #48 ST&C Csg @ 375' (262 sx cmt to surf):**Lead: 520 sx Class C w/ 1% CaCl₂ + 0.25% R38 (14.8 wt, 1.34 yld)

Comp Strengths : 12 hr – 813 psi 24 hr – 1205 psi Surf Csg Pressure Test: 1200psi/30 min-OK

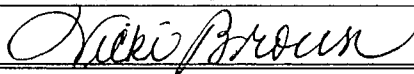
REPORT CONTINUED ON PAGE 2.

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

Name (Printed/Typed)

VICKI BROWNTitle **DRILLING TECH**

Signature

Date **11/15/2012****RECEIVED****DEC 11 2012****NMOC D ARTESIA****ACCEPTED FOR RECORD****THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

DEC 9 2012

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.

(Instructions on page 2)

Raven Federal #1 - Csg & Cmt End of Well Sundry

10/12/2012 - 8-5/8" Intermediate, 11" Hole, J-55, #32, ST&C Csg @ 3505' (388 sx cmt to surface):

Lead: 1360 sx (35:65) Poz C w/ 6% Bentonite + 5% Salt + 0.25% R38 (12.4wt, 2.1 yld)

Compressive Strengths: 12 hr – 589 psi 24 hr – 947 psi

Tail: 280 sx Class C w/0.25% R38 (14.8 wt, 1.33 yld)

Compressive Strengths: 12 hr – 813 psi 24 hr – 1205 psi Inter Csg Pressure Test: 2000 psi/30 min-OK

10/19/2012 – DRL F/6280' – 6416' TD. RU Schlumberger Loggers.

10/20/2012 - 5-1/2" Production, 7.875" Hole, J-55, #17, LT&C Csg @ 6414' (TOC ~ 500' from surface / 168 sx cmt to surf):

Lead: 410 sx (35:65) Poz C w/ 5% Salt + 0.25% R38 + 6% Bentonite (12.4 wt, 2.1 yld)

Compressive Strengths: 12 hr – 540 psi 24 hr – 866 psi

Tail: 760 sx (50:50) Poz C w/ 5% Salt + 0.25% R38 + 2% Bentonite (14.2 wt, 1.30 yld)

Compressive Strengths: 12 hr – 1379 psi 24 hr – 2332 psi

Prod Csg Pressure Test: 2500 psi/30 min – OK

10/21/2012 - RR