

UNITED STATES **OCD Artesia**
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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-029435B / NMLC-029435B
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 COM 12H <39333>

2. Name of Operator
APACHE CORPORATION <873>

9. API Well No.
30-015-40468

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: E, SEC 8, T17S, R31E, 2088' FNL & 220' FWL – NMLC-029435B
LOT:2, SEC 7, T17S, R31E, 2088' FNL & 330' FWL – NMLC-029435A**

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	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 OPS:
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	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 recomplete 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 recompletion 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 **12/3/2012 – SPUD**

- 12/4/2012** - Drl Surf, lost returns @ 410', dry drl to 450'
- 12/5/2012** - **13.375" Surface, 17.5" Hole, #48, H-40 ST&C csg set @ 464'**
Run 10 jts csg, could not get past loss circ zone @ 410'
- 12/6/2012** - Wash & ream F/356' – T/490', Drl F/ 450' – T/490', attempt to get below loss circ zone @ 410'. Reached 120' w/ csg
- 12/7/2012** - TOH, stabilize conductor, rig down.
- 12/7/2012** - RR

RECEIVED
APR 02 2013
NMOCD ARTESIA

ACCEPTED FOR RECORD

MAR 30 2013
[Signature]
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

REPORT CONTINUED ON PAGE 2.

Accepted for record
NMOCD
ADade 4/3/13

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

VICKI BROWN

Title **DRILLING TECH**

Signature

[Signature: Vicki Brown]

Date **3/6/2013**

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.

Raven Federal Com #12H - Csg & Cmt End of Well Sundry

12/11/2012 - Set cellar ring and square up; Fill in sink hole w/ 2'-3' clay dirt; 5 yds ready mix; wait; dump 20 yds ready mix.

12/12/2012 - Fill in sink hole; weld on 4" cellar ring.

12/13/2012 - Finish filling sink hole, cut off cellar ring ground level.

12/28/2012 - Drill 30" rathole to ~~72'~~^{100'} hole unstable. Mix 80 bbls mud w/ rig transfer mud to conductor hole - drl w/ no issues.

12/29/2012 - Set conductor pipe; cmt w/ 350 sx, 8 yds ready mix (14.8, 1.33 yld) Left 12" cmt in bottom of cellar.

1/12/2013 - 2nd SPUD

1/14/2013 - 13.375" csg, 17.5" Hole, #48, H-40 csg set @ 492'

1/15/2013 - Cmt with:

Lead: 200 sx Thixotropic (14.4 wt, 1.61 yld)

Tail: 575 sx Class C (14.8 wt, 1.33 yld) No cmt circ to surf

PU 1" - tagged @ 136' Cmt Top Job w/ 168 sx Class C Neat w/ 2% calc Circ 6 bbls cmt to surf

1/16/2013 - Surf Csg Pressure Test: 1200 psi/30 min - OK

1/24/2013 - 9.625" Intermediate, 12.25" Hole, #36, J-55 csg set @ 3528'

1/25/2013 - Cmt with:

Lead: 1180 sx Class C 35/65 POZ, (12.6 wt, 2.07 yld)

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

Tail: 500 sx Class C w/ 0.25% De-foamer (14.8 wt, 1.33 yld)

Compressive Strengths: 12 hr - 813 psi 24 hr - 1205 psi Circ 158 bbls grey water; no cmt to surf.

Cmt Top Job w/ 600 sx C Neat w/ 2% CALC (14.8 wt, 1.32 yld) Inter Csg Pressure Test: 1500 psi/30 min - OK

1/31/2013 - 7" Intermediate, 8.75" Hole, #26, J-55 csg set @ 5432' Cmt with:

Lead: 315 sx Class C 35/65 POZ (12.6 wt, 2.06 yld)

Tail: 430 sx Class C (14.8 wt, 1.32 yld) Circ 51 bbls cmt to surf.

2/13/2013 - Drl F/10482' -T/10573' MD; 5835' TVD.

2/17/2013 - 4.5" Production Liner, 4" Prod, #13.5, L-80, LT&C csg set @ 10572'MD, 5835' TVD.

2/18/2013 - Cmt with:

Tail: 450 sx PVL (13 wt, 1.48 yld) Circ 0 cx cmt to surf.

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

2/20/2013 - RR

Top of liner @ ?

Per phone conv. 4/10/13 to OCS:

size of conductor is 20" with a corrected depth of 100'.

Top of liner is 5339' Jean Marie Carren