

UNITED STATES
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-029426B
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.
CROW FEDERAL #13H <308711>

2. Name of Operator
APACHE CORPORATION <873>

9. API Well No.
30-015-40577

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: M, SEC 10, T17S, R31E, 858' FSL & 250' 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	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	<u>DRILLING OPS:</u>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	<u>CASING & CEMENT</u>
				<u>REPORT</u>

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

3/18/2013 – SPUD

*Accepted for record
8/2/13 NMOCD 8/7/13*

3/19/2013 - Surface 13.375", 17.5" Hole, H-40 #48 csg @ 587'

3/20/2013 - : 600 sx Class C (14.8 wt, 1.34 yld)

Circ 169 sx cmt to surf

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

Surf Csg Pressure Test: 1100 psi/30 min – OK.

REPORT CONTINUED ON PAGE 2.

RECEIVED
AUG 07 2013
NMOCD ARTESIA

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

VICKI BROWN

Title **DRILLING TECH**

Signature

Vicki Brown

Date **7/22/2013**

ACCEPTED FOR RECORD

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

AUG 3 2013
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

BUREAU OF LAND MANAGEMENT

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)

JB

Crow Federal #13H - Csg & Cmt End of Well Sundry

3/26/2013 - Intermediate 9.625", 12.25" Hole, J-55, #36 csg @ 3500'

Lead: 1385 sx Class C 35/65 POZ (12.9 wt, 2.07 yld)

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

Tail: 550 sx Class C w/1% CaCl + 0.25% De-foamer (14.8 wt, 1.33 yld)

Compressive Strengths: 12 hr – 813 psi 24 hr – 1205 psi

Circ 438 sx cmt to surf

3/31/2013 - Production 7", 8.750" Hole, J-55, #26 csg @ 4750'

~~4/1/2013 - Lead: 290 sx Class C 35/65 POZ (12.9 wt, 1.91 yld)~~

Tail: 330 sx Class C (14.8 wt 1.32 yld)

Circ 40 bbls cmt to surf

4/11/2013 - DRL F/ 9866' – T/10180' TD.

4/15/2013 - Production Liner 1 – 4.5", 6.125" Hole, HCL-80, #13.5 @10,165'

TIH with liner, 15 frac ports, 17 packers. Set liner hanger @ 4680'.

Glorieta isolation packer set at 5015'.

Prod Csg Pressure Test: 2000 psi/30 min – OK

4/16/2013- RR