

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*

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

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Serial No. <b>NMLC-029426B</b>
2. Name of Operator <b>APACHE CORPORATION &lt;873&gt;</b>	6. If Indian, Allottee or Tribe Name
3. Address <b>303 VETERANS AIRPARK LN, #3000 MIDLAND, TX 79705</b>	7. If Unit of CA/Agreement, Name and/or No.
3b. Phone No. (include area Code) <b>432-818-1000 / 432-818-1168</b>	8. Well Name and No. <b>CROW FEDERAL 16H &lt;308711&gt;</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>UL: L, SEC 9, T17S, R31E, 1745' FSL &amp; 110' FWL</b>	9. API Well No. <b>30-015-40990</b>
	10. Field and Pool or Exploratory Area <b>FREN; GLORIETA-YESO &lt;26700&gt;</b>
	11. County or Parish, State <b>EDDY COUNTY, NM</b>

**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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Change Plans
	<input type="checkbox"/> Convert to Injection
	<input type="checkbox"/> Deepen
	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Plug Back
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input checked="" type="checkbox"/> 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**

08/09/2013 **SPUD**

**LRD 11/6/13**  
**Accepted for record**  
**NMDCB**

**08/09/2013 Surface Csg 13.375, Hole 17.5, H-40, 48# set @ 475' Cmt with:**

**Lead: 520 sx Class C w/4% Gel + 2% CaCL2 + 0.125#/sx CF + 0.25#/sx Defoamer (14.8 wt, 1.34 yld)**

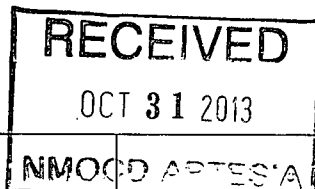
**Compressive Strengths : 12 hr – 786 psi 24 hr – 1213 psi**

**Circ 83 sks to surf. Surface csg pressure test 1200 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**



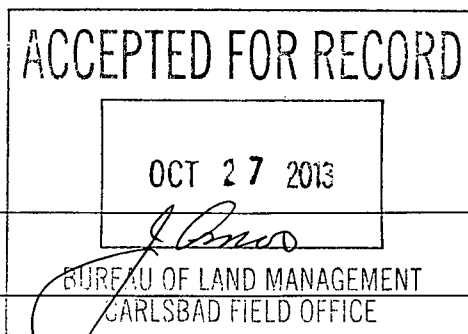
Title **DRILLING TECH**

Signature

*Michelle Cooper*

Date

**09/11/2013**



**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.

(Instructions on page 2)

**CROW FEDERAL #16H - Csg & Cmt End of Well Sundry**

**08/13/2013 Intermediate Csg 8 5/8, Hole 11, J-55, 32#, set @ 3500' Cmt with:**

Lead: 860 sx Class C w/4% Gel + 2% CaCL<sub>2</sub> + 0.125 #/sx CF + 0.25 #/sx Defoamer (12.90 wt, 2.07 yld)

Compressive Strengths: **12 hr** – 709 psi    **24 hr** – 1103 psi

Tail: 540 sx Class C w/ 1% Retarder (14.8 wt, 1.33 yld)

Compressive Strengths: **12 hr** – 1654 psi    **24 hr** – 2256 psi    Circ. 292 Sks

Inter csg pressure test 2000 PSI/30 min-OK.

**08/20/2013 Drl F/8082'-T/9625' TD**

**08/22/2013 Production Csg 5.5, Hole 7.875, L-80, 17#, set @9625' Cmt with:**

Lead: 410 sx Class H 35/65 Poz,

(12.6 wt, 2.06 yld)

Compressive Strengths: **12 hr** – 156 psi    **24 hr** – 1081 psi

Tail: 1140sx PVL w/1.3% Salt + 5% Expanding cmt + 0.5% Gel suppressing agent + 0.1% antisetting agent + 0.25% Defoamer + 0.2% Retarder (13.0 wt, 1.68 yld)

Compressive Strengths: **12 hr** – 642 psi    **24 psi** – 1016 psi    Circ. 268 sks

Prod csg pressure test 2500 PSI/30 min-OK.

**08/22/2013- RR**