

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

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

5. Lease Serial No.  
NMLC029426B

6. If Indian, Allottee or Tribe Name

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

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
CROW FEDERAL 17H

2. Name of Operator  
APACHE CORPORATION  
Contact: SORINA L FLORES  
E-Mail: sorina.flores@apachecorp.com

9. API Well No.  
30-015-40991

3a. Address  
303 VETERANS AIRPARK LN #3000  
MIDLAND, TX 79705

3b. Phone No. (include area code)  
Ph: 432-818-1167  
Fx: 432-818-1193

10. Field and Pool, or Exploratory  
FREN; GLOREITA YESO

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 9 T17S R31E 1775FSL 110FWL

11. County or Parish, and State  
EDDY COUNTY, NM

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 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	Change to Original A PD
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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 directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

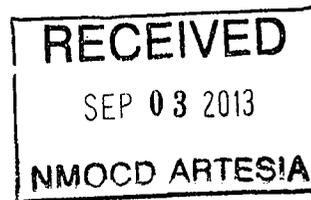
BOND#: BLM-CO-1463 / NMB000736

Apache proposes to change the following csg/cmt/BOP program:

Surf - no chg to csg/cmt - Change safety factor: Collapse 1.125 Burst 1.0

Hole	Depth	Csg	Grade	Collapse	Burst
Interm	- 11"	0-3500'	8-5/8" 32#	STC J-55	1.125 1.0
Prod	- 7-7/8"	0-10315'	5-1/2" 17#	LTC J-55	1.125 1.0

Surf (TOC) 100% excess cmt to surf. Cmt w/single slurry 550sx Cl C w/1% CACL2(14.8wt, 1.33yld)  
Comp strengths: 12hrs - 1565psi; 24hrs-2442psi



Accepted for record

*Done without approval*

NMOCD

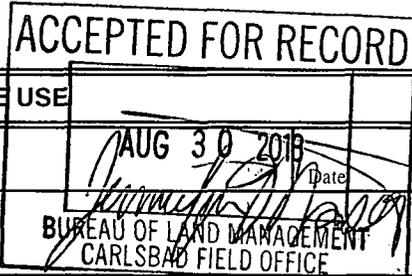
14. I hereby certify that the foregoing is true and correct.  
Electronic Submission #218562 verified by the BLM Well Information System  
For APACHE CORPORATION, sent to the Carlsbad  
Committed to AFMSS for processing by JOHNNY DICKERSON on 08/29/2013 ()

Name (Printed/Typed) SORINA L FLORES

Title SUPV DRLG SERVICES

Signature (Electronic Submission)

Date 08/29/2013



**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By \_\_\_\_\_  
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.

Title \_\_\_\_\_  
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.

**Additional data for EC transaction #218562 that would not fit on the form**

**32. Additional remarks, continued**

Interm - TOC surf - 50% excess cmt to surf. Cmt w/Lead 620sx 35/65 Poz C w/6% gel + 5% Salt (12.4wt, 2.10yld) Comp strengths: 12hr-589psi; 24hr-947psi. Tail w/160sx CI C (14.8wt, 1.34yld) Comp strengths: 12hr-813psi; 24hr-1205psi

Prod - TOC -2500' from surf - 35% excess cmt. Cmt w/Lead 120sx 35/65 Poz C w/6% gel + 5% salt (12.4wt, 2.10yld) Comp strengths: 12hr-589psi; 24hr-947psi.  
Tail w/1090sx PVL w/1.3% salt +0.6 retarder (13.0wt, 1.47yld) Comp strengths 12hr-800psi; 24hr-1000psi.

13-5/8" 3M psi WP BOP consisting of annular bag type preventer. This BOP will be nipped up on the 13-3/8" surf csg head & tested to 2000psi. After the 8-5/8" Interm csg is set & cmdtd, an 11" 3M BOP consisting of an annular bag type preventer, middle blind rams & bottom pipe rams will be installed & utilized continuously until TD is reached. BOP will be tested @ 2000psi. All BOP's & associated equip will be tested as per BLM Drilling Operations Order #2.