

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 an 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

RECEIVED
SEP 03 2013
NMOCD ARTESIA

1. Type of Well
 Oil Well Gas Well Other

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

2. Name of Operator
APACHE CORPORATION <873>

8. Well Name and No.
CROW FEDERAL #16H <308711>

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

3b. Phone No. (include area code)
432-818-1117 / 432-818-1198(fax)

9. API Well No.
30-015-40990

10. Field and Pool or Exploratory Area
FREN; GLORIETA-YESO <26770>

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SEC 9, T17S, R31E, NWSW, 1745' FSL & 110' FWL 32.846484N Lat, 103.82424W Lon

11. Country 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 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 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 <u>Change to original APD</u>
	<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	

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 recomplete 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 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 / NMB000736

8/8/2013- Apache proposes to change the following casing/cement/BOP program: Hole Depth OD Csg Wt Collar Grade Clpse BUrst Tension Surface - No Change.

Interm - 11" 0-3500? 8-5/8" 32# STC J-55 1.0 1.21 1.8

Prod - 7-7/8" 0-10808? 5-1/2" 17# LTC J-55 1.0 1.21 1.8

Surface (TOC-Surface) *100% excess cement to surface*. Cmt with: Single Slurry: 550 sx Class C w/ 1% CALC 2 (14.8 wt., 1.33 yld)

Compressive Strengths: 12 hrs - 1565 PSI; 24 hrs - 2442 PSI.

Intermediate (TOC - Surface) *50% excess cmt to surf.* Cmt with: Lead 620 sx 35/65 Poz C w/6% Gel + 5% Salt (12.4 wt, 2.10 yld) Comp Strengths: 12 hr-589 PSI; 24 hr - 947 PSI Tail: 160 sx Class C (14.8 wt, 1.34 yld) Comp Strengths: 12 hr - 813 PSI; 24 hr - 1205 PSI.

Production (TOC: ~2500' from surf) *35% excess cmt* Cmt with: Lead: 120 sx 35/65 Poz C w/6% Gel + 5% Salt (12.4 wt, 2.10 yld) Comp Strengths: 12 hr - 589 PSI; 24 hr - 947 PSI. Tail: 990 sx PVL w/ 1.3% Salt + 0.6% Retarder (13.0 wt, 1.47 yld) Comp Strengths: 12 hr-800 PSI; 24 hr-1000 PSI.

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 2000 PSI. After the 8-5/8" Interm csg is set & cmt'd, and 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. The BOP will be tested @ 2000 PSI. All BOP's & associated equip will be tested as per BLM Drilling Operations Order #2.

Accepted for record

work done w/out approval

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

Title DRILLING TECH

Signature *Vicki Brown*

Date 08/08/2013

ACCEPTED FOR RECORD
AUG 29 2013
BUREAU OF LAND MANAGEMENT
CARLOS FIELD OFFICE

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.