

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 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.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
APACHE CORPORATION

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

3b. Phone No. (include area code)
432.818.1065

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

8. Well Name and No.
CROW FEDERAL #1

9. API Well No.
30-015-34126

10. Field and Pool or Exploratory Area
FREN;

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SEC-9-T17S-R31E, UNIT A
1040'FNL, 660' FEL

11. Country or Parish, State
EDDY CT, NM

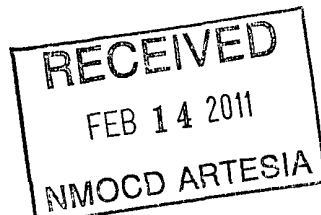
12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

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 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 checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<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 recompleate 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 recompleation 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.)

Apache proposes to recompleate this well to include the Yeso zone via the following procedure:

- 1) POOH w/prod. equip, co TO 6450', circ clean
- 2) Set CIBP @ +/-5300'
- 3) RIH w/CICR, sqz Paddock perms w/cmt, RIH DO cmt & tst sqz to 50 psi. DO CIBP @5300', CO to 6450' and circ clean
- 4) RU WL & run CBL, set CIBP @ +/- 6450'
- 5) Perf lower Blinbry, acidize
- 6) Swab tst lower Blinbry, possibly frac lower Blinbry
- 7) Perf middle Blinbry, acidize & frac perms
- 8) Add perms to upper Blinbry
- 9) CO to 6450'
- 10) Put on production
- 11) Test Blinbry
- 12) RU W, set CBP @5250', perf Paddock, acidize & frac
- 13) RIH w/bit & DO CBP @5250'. CO to PBTD & POOH
- 14) Run production equip & put well on production



**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

Accepted for record - NMOCD

DJ

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

Title ENG. TECH

Signature

Katie Kauffman

Date 01/27/2011

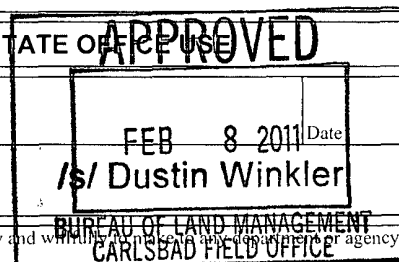
THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

[Signature]

Title

Office



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 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 any false statement or representation to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Apache Corporation
NMLC-029426-B: Crow Federal #1
API: 30-015-34126
Eddy County, New Mexico

RE: Recompletion – Conditions of Approval

There is to be no surface disturbance beyond the originally approved pad. A closed loop system is to be used. H2S monitoring and protection equipment is to be on site.

5000 (5M) BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (2M Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.

5M systems shall require two independent power sources, one of which may be nitrogen bottles (three minimum) maintaining a charge equal to the manufacturer's recommendations.

Prior to recompletion, the following steps shall be completed:

- An additional 15' dump bailed or 25sx pumped cement (Class H) shall be placed on the CIBP set at 8375'. (Perfs)

- A plug shall be spotted (minimum 25sx) from 7170'-7000'. (Abo)

Paddock cement squeeze shall be tested to a minimum of 500psi.

Submit subsequent report with well test and updated wellbore schematic once work is completed.

DHW 020811