

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM 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.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**5. Lease Serial No.  
NMLC029426B

6. If Indian, Allottee or Tribe Name

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

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.  
CROW FEDERAL 15H2. Name of Operator  
APACHE CORPORATIONContact: FATIMA VASQUEZ  
E-Mail: Fatima.Vasquez@apachecorp.com9. API Well No.  
30-015-40579-00-S13a. Address  
303 VETERANS AIRPARK LANE SUITE 3000  
MIDLAND, TX 797053b. Phone No. (include area code)  
Ph: 432-818-101510. Field and Pool, or Exploratory  
FREN

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 10 T17S R31E SWSW 988FSL 250FWL  
32.844435 N Lat, 103.864769 W Lon

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 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	Production Start-up
	<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 recompleat 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 recompleat 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.)

08/16/2013 Log TOC @ Surface.

09/03/2013 Set CIBP @ 11,074'. Stage 1 - Perf Blinebry @ 10,980'-10,982', 10,876'-10,878', 10,772'-10,774' w/ 5 SPF, 45 holes. Frac w/ 23.8 bbl 15% HCl &amp; 180,100# sand (100 Mesh &amp; 40/70).

Set CBP @ 10,720'. Stage 2 - Perf Blinebry @ 10,668'-10,670', 10,564'-10,566', 10,460'-10,462' w/ 5 SPF, 45 holes. Frac w/ 181.2 bbl 15% HCl &amp; 181,460# sand (100 Mesh &amp; 40/70).

Set CBP @ 10,408'. Stage 3 - Perf Blinebry @ 10,356'-10,358', 10,252'-10,254', 10,148'-10,150' w/ 5 SPF, 45 holes. Did not frac stage #3, frac communicated w/ drilling rig on Crow Fed #17H. SI well.

09/09/2013 Set CBP @ 10,096'. Stage 4 - Perf Blinebry @ 10,044'-10,046', 9950'-9952', 9836'-9838' w/ 5 SPF, 45 holes. Frac w/ 179 bbl 15% HCl &amp; 179,140# sand (100 Mesh &amp; 40/70).

Set CBP @ 9784'. Stage 5 - Perf Blinebry @ 9732'-9734', 9628'-9630', 9530'-9532' w/ 5 SPF, 45 holes. Frac w/ 182 bbl 15% HCl &amp; 175,400# sand (100 Mesh &amp; 40/70).

ORD 3/11/14  
Accepted for Record  
RMSOB**RECEIVED**

FEB 25 2014

**NMOCD ARTESIA**

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #232189 verified by the BLM Well Information System  
For APACHE CORPORATION, sent to the Carlsbad  
Committed to AFMSS for processing by JENNIFER MASON on 02/19/2014 (14JAM0227SE)**

Name (Printed/Typed) FATIMA VASQUEZ

Title REGULATORY TECH

Signature (Electronic Submission)

Date 01/16/2014

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**Approved By **ACCEPTED**JAMES A AMOS  
Title SUPERVISOR EPS

Date 02/22/2014

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 Carlsbad

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.

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

## Additional data for EC transaction #232189 that would not fit on the form

### 32. Additional remarks, continued

Set CBP @ 9472'. Stage 6 - Perf Blinebry @ 9420'-9422', 9310'-9312', 9209'-9211' w/ 5 SPF, 45 holes. Frac w/ 182 bbl 15% HCl & 181,440# sand (100 Mesh & 40/70).  
Set CBP @ 9160'. Stage 7 - Perf Blinebry @ 9108'-9110', 9012'-9014', 8900'-8902' w/ 5 SPF, 45 holes.  
09/10/2013 Frac Stage 7 w/ 182 bbl 15% HCl & 174,860# sand (100 Mesh & 40/70).  
Set CBP @ 8848'. Stage 8 - Perf Blinebry @ 8790'-8792', 8692'-9694', 8584'-8586' w/ 5 SPF, 45 holes. Frac w/ 179 bbl 15% HCl & 180,320# sand (100 Mesh & 40/70).  
Set CBP @ 8536'. Stage 9 - Perf Blinebry @ 8484'-8486', 8380'-8382', 8278'-8280' w/ 5 SPF, 45 holes. Frac w/ 178.5 bbl 15% HCl & 182,220# sand (100 Mesh & 40/70).  
Set CBP @ 8220'. Stage 10 - Perf Blinebry @ 8172'-8174', 8068'-8070', 7964'-7966' w/ 5 SPF, 45 holes. Frac w/ 178.5 bbl 15% HCl & 178,500# sand (100 Mesh & 40/70).  
Set CBP @ 7912'. Stage 11 - Perf Blinebry @ 7860'-7862', 7756'-7758', 7652'-7654' w/ 5 SPF, 45 holes. Frac w/ 176.5 bbl 15% HCl & 174,720# sand (100 Mesh & 40/70).  
Set CBP @ 7608'. Stage 12 - Perf Blinebry @ 7548'-7550', 7444'-7446', 7340'-7342' w/ 5 SPF, 45 holes. Frac w/ 175 bbl 15% HCl & 184,680# sand (100 Mesh & 40/70). Downhole communications noted between Crow 15H & Crow 14H during stage 12.  
Set CBP @ 7296'. Stage 13 - Perf Blinebry @ 7236'-7238', 7132'-7134', 7028'-7030' w/ 5 SPF, 45 holes. Frac w/ 160 bbl 15% HCl & 181,880# sand (100 Mesh & 40/70).  
Set CBP @ 6976'. Stage 14 - Perf Blinebry @ 6924'-6926', 6820'-6822', 6720'-6722' w/ 5 SPF, 45 holes. Frac w/ 136 bbl 15% HCl & 179,680# sand (100 Mesh & 40/70).  
Set CBP @ 6664'. Stage 15 - Perf Blinebry @ 6612'-6614', 6508'-6510', 6404'-6406' w/ 5 SPF, 45 holes. Frac w/ 174 bbl 15% HCl & 180,300# sand (100 Mesh & 40/70).  
09/11/2013 CI frac valves.  
10/07/2013 RIH w/ bit & tbq.  
10/08/2013 DO plugs 1-5 @ 6664', 6976', 7296', 7608', & 7912'. Started losing circ after plug 5. Pump polymer slugs down tbq & annulus to rock fluid & surge well. Repeat procedure. Unable to unload fluid from well.  
10/09/2013 DO plugs 6-10 @ 8220', 8536', 8848', 9160', & 9472'. Unload hole 2X b/f circ lost on the 3rd unload attempt in 8 connections. Fluid influx over 100 bbls/hr. POOH w/tbg & bit. Left in 4 plugs in addition to CIBP. PBTB @ 9784'.  
10/14/2013 ND BOP. NU hydrill.  
10/15/2013 RIH w/ 2-7/8" J-55 6.5# prod tbq. Submersible @ 5612' & Desander @ 5616'. ETD @ 5940'. RDMOSU. SI well.  
11/26/2013 POP.