

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.*5. Lease Serial No.  
NMLC029426B

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
CROW FEDERAL 16H9. API Well No.  
30-015-40990-00-S110. Field and Pool, or Exploratory  
FREN-GLORIETA-YESO11. County or Parish, and State  
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator  
APACHE CORPORATION  
Contact: FATIMA VASQUEZ  
E-Mail: fatima.vasquez@apachecorp.com3a. Address  
303 VETERANS AIRPARK LANE SUITE 3000  
MIDLAND, TX 797053b. Phone No. (include area code)  
Ph: 432-818-1015

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

Sec 9 T17S R31E NWSW 1745FSL 110FWL  
32.846597 N Lat, 103.883049 W Lon**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.)

Apache completed this horizontal well as follows:

10/18/2013 Log TOC @ 300'  
10/23/2013 Stage 1 - Perf Paddock @ 9520'-23', 9415'-18', 9310'-13' w/ 5 SPF, 45 holes.  
12/15/2013 Frac w/ 180 bbl 15% HCl & 180,050# sand (100 Mesh & 40/70).  
Set CBP @ 9260'. Stage 2 - Perf Paddock @ 9205'-07', 9100'-02', 8995'-97' w/ 5 SPF, 45 holes.  
Frac w/ 177.8 bbl 15% HCl & 177,980# sand (100 Mesh & 40/70).  
Set CBP @ 8945'. Stage 3 - Perf Paddock @ 8890'-92', 8785'-87', 8680'-82' w/ 5 SPF, 45 holes.  
Frac w/ 178.6 bbl 15% HCl & 178,880# sand (100 Mesh & 40/70).  
Set CBP @ 8630'. Stage 4 - Perf Paddock @ 8575'-77', 8470'-72', 8365'-67' w/ 5 SPF, 45 holes.  
Frac w/ 178.6 bbl 15% HCl & 181,640# sand (100 Mesh & 40/70).  
Set CBP @ 8315'. Stage 5 - Perf Paddock @ 8260'-62', 8155'-57', 8050'-52' w/ 5 SPF, 45 holes.

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

Electronic Submission #241165 verified by the BLM Well Information System  
For APACHE CORPORATION, sent to the Carlsbad  
Committed to AFMSS for processing by DEBORAH HAM on 05/20/2014 (14DMH0402SE)

Name (Printed/Typed) FATIMA VASQUEZ

Title REGULATORY ANALYST II

Signature (Electronic Submission)

Date 04/04/2014

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

Date 06/28/2014

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 #241165 that would not fit on the form

### 32. Additional remarks, continued

Frac w/ 178.6 bbl 15% HCl & 183,720# sand (100 Mesh & 40/70).  
Set CBP @ 8000'. Stage 6 - Perf Paddock @ 7945'-47', 7840'-42', 7735'-37' w/ 5 SPF, 45 holes.  
12/16/2013 Frac w/ 178.6 bbl 15% HCl & 180,840# sand (100 Mesh & 40/70).  
Set CBP @ 7685'. Stage 7 - Perf Paddock @ 7630'-32', 7525'-27', 7420'-22' w/ 5 SPF, 45 holes.  
Frac w/ 178.6 bbl 15% HCl & 181,680# sand (100 Mesh & 40/70).  
Set CBP @ 7370'. Stage 8 - Perf Paddock @ 7315'-17', 7210'-12', 7105'-07' w/ 5 SPF, 45 holes.  
Frac w/ 179 bbl 15% HCl & 181,140# sand (100 Mesh & 40/70).  
Set CBP @ 7050'. Stage 9 - Perf Paddock @ 7000'-02', 6895'-97', 6790'-92' w/ 5 SPF, 45 holes.  
Frac w/ 179 bbl 15% HCl & 181,840# sand (100 Mesh & 40/70).  
Set CBP @ 6740'. Stage 10 - Perf Paddock @ 6685'-87', 6580'-82', 6475'-77' w/ 5 SPF, 45 holes.  
Frac w/ 180 bbl 15% HCl & 182,220# sand (100 Mesh & 40/70).  
Set CBP @ 6425'. Stage 11 - Perf Paddock @ 6370'-72', 6265'-67', 6160'-62' w/ 5 SPF, 45 holes.  
Frac w/ 178 bbl 15% HCl & 178,020# sand (100 Mesh & 40/70).  
Set CBP @ 6110'. Stage 12 - Perf Paddock @ 6055'-57', 5950'-52'. Misfired on 5845'-47'. Re-shot  
& perfed @ 5845'-47'. Perfed w/ 5 SPF, 45 holes. Frac w/ 181 bbl 15% HCl & 178,260# sand (100  
Mesh & 40/70).  
Set CBP @ 5795'. Stage 13 - Perf Paddock @ 5740'-42', 5635'-37', 5530'-32' w/ 5 SPF, 45 holes.  
12/17/2013 Frac w/ 180 bbl 15% HCl & 181,040# sand (100 Mesh & 40/70).  
Set CBP @ 5480'. Stage 14 - Perf Paddock @ 5425'-27', 5320'-22', 5215'-17' w/ 5 SPF, 45 holes.  
Frac w/ 177 bbl 15% HCl & 189,220# sand (100 Mesh & 40/70).  
01/07/2014 DO plugs #1@ 5480', #2@ 5795', #3@ 6110', #4@ 6425'.  
01/08/2014 DO plugs #5@ 6740', #6@ 7050', #7@ 7370', #8@ 7685', #9@ 8000', #10@ 8315', #11@ 8630',  
#12@ 8945', & #13@ 9260'.  
01/09/2014 Circ hole clean to PBTD @ 9625'. Closed BOP & secure well.  
01/16/2014 RIH w/ 2-7/8" J-55 6.5# prod tbgr. Submersible @ 4586'. Desander @ 4668'. ETD @  
4995'.  
01/31/2014 Replace all O Rings on tbgr hanger.  
02/03/2014 POP.