

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.**

8. Well Name and No.  
CROW FEDERAL 10H

9. API Well No.  
30-015-40574-00-S1

10. Field and Pool, or Exploratory  
CEDAR LAKE

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

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
APACHE CORPORATION  
Contact: FATIMA VASQUEZ  
E-Mail: Fatima.Vasquez@apachecorp.com

3a. Address  
303 VETERANS AIRPARK LANE SUITE 3000  
MIDLAND, TX 79705

3b. Phone No. (include area code)  
Ph: 432-818-1015

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 10 T17S R31E SWSW 883FSL 250FWL  
32.844147 N Lat, 103.864769 W Lon

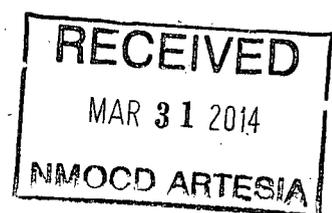
**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Change Plans
	<input type="checkbox"/> Convert to Injection
	<input type="checkbox"/> Deepen
	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Plug Back
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input checked="" type="checkbox"/> Other Production Start-up

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.)

Apache completed this horizontal well as follows:

08/02/2013 Log TOC @ Surface.  
08/16/2013 Stage 1 - Perf Yeso @ 9535'-38', 9435'-38', 9335'-38' w/ 5 SPF, 45 holes. Frac w/ 183 bbl 15% HCl & 180,540# sand (100 Mesh & 40/70).  
Set CBP @ 9285'. Stage 2 - Perf Yeso @ 9235'-38', 9135'-38', 9035'-38' w/ 5 SPF, 45 holes.  
08/22/2013 Frac Stage #2 w/ 179 bbl 15% HCl & 183,300# sand (100 Mesh & 40/70).  
Set CBP @ 8985'. Stage 3 - Perf Yeso @ 8935'-38', 8835'-38', 8732'-35' w/ 5 SPF, 45 holes. Frac w/ 178.5 bbl 15% HCl & 180,600# sand (100 Mesh & 40/70).  
Set CBP @ 8685'. Stage 4 - Perf Yeso @ 8635'-38', 8535'-38', 8435'-38' w/ 5 SPF, 45 holes. Frac w/ 179 bbl 15% HCl & 179,200# sand (100 Mesh & 40/70).  
Set CBP @ 8385'. Stage 5 - Perf Yeso @ 8338'-41', 8235'-38', 8135'-38' w/ 5 SPF, 45 holes. Frac



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

**Electronic Submission #234389 verified by the BLM Well Information System  
For APACHE CORPORATION, sent to the Carlsbad  
Committed to AFMSS for processing by JENNIFER MASON on 03/17/2014 (14JAM0326SE).**

Name (Printed/Typed) FATIMA VASQUEZ	Title REGULATORY TECH
Signature (Electronic Submission)	Date 02/04/2014

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

Approved By <b>ACCEPTED</b>	JAMES A AMOS Title SUPERVISOR EPS	Date 03/26/2014
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.

**Additional data for EC transaction #234389 that would not fit on the form**

**32. Additional remarks, continued**

w/ 179.5 bbl 15% HCl & 182,240# sand (100 Mesh & 40/70).  
Set CBP @ 8088'. Stage 6 - Perf Yeso @ 8042'-45', 7935'-38', 7835'-38' w/ 5 SPF, 45 holes. Frac  
w/ 178.5 bbl 15% HCl & 181,160# sand (100 Mesh & 40/70).  
Set CBP @ 7785'. Stage 7 - Perf Yeso @ 7735'-38', 7635'-38', 7544'-47' w/ 5 SPF, 45 holes. Frac  
w/ 178.5 bbl 15% HCl & 180,520# sand (100 Mesh & 40/70).  
08/23/2013 Set CBP @ 7485'. Stage 8 - Perf Yeso @ 7435'-38', 7335'-38', 7235'-38' w/ 5 SPF, 45  
holes. Frac w/ 180.5 bbl 15% HCl & 180,220# sand (100 Mesh & 40/70).  
Set CBP @ 7195'. Stage 9 - Perf Yeso @ 7135'-38', 7035'-38', 6935'-38' w/ 5 SPF, 45 holes. Frac  
w/ 180 bbl 15% HCl & 180,680# sand (100 Mesh & 40/70).  
Set CBP @ 6885'. Stage 10 - Perf Yeso @ 6835'-38', 6735'-38', 6635'-38' w/ 5 SPF, 45 holes. Frac  
w/ 179.5 bbl 15% HCl & 182,220# sand (100 Mesh & 40/70).  
Set CBP @ 6578'. Stage 11 - Perf Yeso @ 6535'-38', 6435'-38', 6335'-38' w/ 5 SPF, 45 holes. Frac  
w/ 178.5 bbl 15% HCl & 182,420# sand (100 Mesh & 40/70).  
Set CBP @ 6285'. Stage 12 - Perf Yeso @ 6240'-43', 6135'-38', 6035'-38' w/ 5 SPF, 45 holes. Frac  
w/ 179.5 bbl 15% HCl & 180,380# sand (100 Mesh & 40/70).  
Set CBP @ 5985'. Stage 13 - Perf Yeso @ 5938'-41', 5832'-35', 5735'-38' w/ 5 SPF, 45 holes. Frac  
w/ 178.5 bbl 15% HCl & 147,440# sand (100 Mesh & 40/70).  
08/24/2013 Set CBP @ 5685'. Stage 14 - Perf Yeso @ 5635'-38', 5535'-38', 5442'-45' w/ 5 SPF, 45  
holes. Frac w/ 178.5 bbl 15% HCl & 175,800# sand (100 Mesh & 40/70).  
09/13/2013 DO plugs - #1 @ 5685', #2 @ 5985' & #3 @ 6285'. On plug #4 experienced motor failure.  
09/14/2013 DO plugs - #4 @ 6578' & #5 @ 6885'.  
09/24/2013 DO plugs - #6 @ 7195', #7 @ 7485', & #8 @ 7785'.  
09/25/2013 DO plugs - #9 @ 8088', #10 @ 8385', #11 @ 8685', & #12 @ 8985'.  
09/26/2013 DO plug 13 @ 9285'. Clean to PBTB @ 9624'.  
09/30/2013 RIH w/ sub pump.  
10/01/2013 RIH w/ 2-7/8" J-55 6.5# prod tbg. Submersible @ 4556'. Desander @ 4638'. ETD @ 4966'.  
11/15/2013 POP.