

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMLC029426B
2. Name of Operator APACHE CORPORATION Contact: FATIMA VASQUEZ E-Mail: fatima.vasquez@apachecorp.com		6. If Indian, Allottee or Tribe Name
3a. Address 303 VETERANS AIRPARK LANE SUITE 3000 MIDLAND, TX 79705	3b. Phone No. (include area code) Ph: 432-818-1015	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 10 T17S R31E SWSW 923FSL 250FWL 32.844362 N Lat, 103.865371 W Lon		8. Well Name and No. CROW FEDERAL 14H
		9. API Well No. 30-015-40578-00-S1
		10. Field and Pool, or Exploratory FREN-GLORIETA-YESO
		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 Production Start-up
	<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 shall 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 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:

08/16/2013 Log TOC @ 240'. Stage 1 - Perf Yeso @ 10,590'-10,592', 10,484'-10,486', 10,378'-10,380' w/ 5 SPF, 45 holes.  
08/26/2013 Frac w/ 178.8 bbl 15% HCl & 180,400# sand (100 Mesh & 40/70).  
Set CBP @ 10,325'. Stage 2 - Perf Yeso @ 10,272'-10,274', 10,166'-10,168', 10,060'-10,062' w/ 5 SPF, 45 holes. Frac w/ 179 bbl 15% HCl & 180,280# sand (100 Mesh & 40/70).  
Set CBP @ 10,000'. Stage 3 - Perf Yeso @ 9954'-9956', 9850'-9852', 9742'-9744' w/ 5 SPF, 45 holes. Frac w/ 177.5 bbl 15% HCl & 179,660# sand (100 Mesh & 40/70).  
Set CBP @ 9689'. Stage 4 - Perf Yeso @ 9636'-9638', 9530'-9532', 9424'-9426' w/ 5 SPF, 45 holes. Frac w/ 180 bbl 15% HCl & 181,740# sand (100 Mesh & 40/70).  
Set CBP @ 9371'. Stage 5 - Perf Yeso @ 9320'-9322', 9212'-9214', 9106'-9108' w/ 5 SPF, 45 holes.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

JUL 07 2014

RECEIVED

*JRD* 7-8-14  
Accepted for record  
NMDCD

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #236015 verified by the BLM Well Information System For APACHE CORPORATION, sent to the Carlsbad Committed to AFMSS for processing by DEBORAH HAM on 04/10/2014 (14DMH0331SE)</b>	
Name (Printed/Typed) FATIMA VASQUEZ	Title REGULATORY ANALYST II
Signature (Electronic Submission)	Date 02/19/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <b>ACCEPTED</b>	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.

## Additional data for EC transaction #236015 that would not fit on the form

### 32. Additional remarks, continued

08/27/2013 Frac w/ 180 bbl 15% HCl & 180,220# sand (100 Mesh & 40/70).  
Set CBP @ 9055'. Stage 6 - Perf Yeso @ 9000'-9002', 8898'-8900', 8788'-8790' w/ 5 SPF, 45 holes.  
Frac w/ 180 bbl 15% HCl & 181,040# sand (100 Mesh & 40/70).  
Set CBP @ 8741'. Stage 7 - Perf Yeso @ 8682'-8684', 8578'-8580', 8470'-8472' w/ 5 SPF, 45 holes.  
Frac w/ 180 bbl 15% HCl & 180,660# sand (100 Mesh & 40/70).  
Set CBP @ 8420'. Stage 8 - Perf Yeso @ 8364'-8366', 8258'-8260', 8152'-8154' w/ 5 SPF, 45 holes.  
Frac w/ 179 bbl 15% HCl & 178,420# sand (100 Mesh & 40/70).  
Set CBP @ 8099'. Stage 9 - Perf Yeso @ 8050'-8052', 7940'-7942', 7834'-7836' w/ 5 SPF, 45 holes.  
Frac w/ 180 bbl 15% HCl & 181,980# sand (100 Mesh & 40/70).  
Set CBP @ 7781'. Stage 10 - Perf Yeso @ 7728'-7730', 7622'-7624', 7516'-7518' w/ 5 SPF, 45 holes.  
Frac w/ 180 bbl 15% HCl & 179,780# sand (100 Mesh & 40/70).  
Set CBP @ 7463'. Stage 11 - Perf Yeso @ 7410'-7412', 7304'-7306', 7198'-7200' w/ 5 SPF, 45 holes.  
Frac w/ 177 bbl 15% HCl & 180,580# sand (100 Mesh & 40/70).  
Set CBP @ 7136'. Stage 12 - Perf Yeso @ 7092'-7094', 6986'-6988', 6880'-6882' w/ 5 SPF, 45 holes.  
Frac w/ 179 bbl 15% HCl & 180,900# sand (100 Mesh & 40/70).  
Set CBP @ 6827'. Stage 13 - Perf Yeso @ 6774'-6776', 6668'-6670', 6562'-6564' w/ 5 SPF, 45 holes.  
Frac w/ 178.5 bbl 15% HCl & 180,840# sand (100 Mesh & 40/70).  
08/28/2013 Set CBP @ 6506'. Stage 14 - Perf Yeso @ 6456'-6458', 6344'-6346', 6244'-6246' w/ 5  
SPF, 45 holes. Frac w/ 179 bbl 15% HCl & 179,000# sand (100 Mesh & 40/70).  
Set CBP @ 6191'. Stage 15 - Perf Yeso @ 6144'-6146', 6032'-6034', 5926'-5928' w/ 5 SPF, 45 holes.  
Frac w/ 180 bbl 15% HCl & 178,300# sand (100 Mesh & 40/70).  
09/14/2013 MIRU coil-tbg & flow back equip. Test to 4000# - ok. Start TIH.  
09/15/2013 DO plugs - #1@ 6191', #2@ 6506', #3@ 6827', #4@ 7136', #5@ 7463', #6@ 7781', #7@ 8099',  
#8@ 8420', #9@ 8741', #10@ 9055', #11@ 9371', #12@ 9689', #13@ 10,000'.  
09/16/2013 DO plug #14@ 10,325'. Wash to TD @ 10,696'.  
10/08/2013 RIH w/ 2-7/8" J-55 6.5# prod tbg. Submersible @ 5224' & Desander @ 5229'. ETD @  
5554'. RDMOSU. SI well.

11/15/2013 POP.