

# NM OIL CONSERVATION

ARTESIA DISTRICT

Form 3160-5  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

JAN 06 2015

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.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. CROW FEDERAL 037H
2. Name of Operator APACHE CORPORATION		9. API Well No. 30-015-42142
3a. Address 303 VETERANS AIRPARK LANE SUITE 1000 MIDLAND, TX 79705	3b. Phone No. (include area code) Ph: 432-818-1801	10. Field and Pool, or Exploratory FREN;GLORIETA-YESO<26770>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 3 T17S R31E SESE 995FSL 525FWL		11. County or Parish, and State EDDY CO 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.)

Apache Completed this well as follows:  
08/06/2014 MIRU LOG-ETOC 2: WILL MIRUSU @LATER DATE  
08/27/2014 RIH W/MILL & TBG  
08/28/2014 RIH W/ MILL & BRUSH  
08/29/2014 RIH W/ SHIFTING TOOL & PACKER/SLEEVES  
10/10/2014

FRAC STAGE # 6 PUMPED 120 BBLS 15 % ACID, 3.50 OD BALL DROP W/ ACID, OPEN PORT W/3873 # PSI, 71,685  
# 100 MESH FRAC PROPANT, 69,957 # 40/70 FRAC PROPANT, 39,172 # RESIN COATED FRAC PROPANT, 302 BBLS  
FLUSH, FRAC STAGE # 7 PUMPED 120 BBLS 15 % ACID, 3.625 OD BALL DROP W/ ACID, OPEN PORT W/3887 #  
PSI, 71,379 # 100 MESH FRAC PROPANT, 71,142 # 40/70 FRAC PROPANT, 39,466 # RESIN COATED FRAC  
PROPANT, 249 BBLS FLUSH, FRAC STAGE # 8 PUMPED 120  
BBLS 15 % ACID, 3.750 OD BALL DROP W/ ACID, OPEN PORT W/ 3874 # PSI, 70,560 # 100 MESH FRAC

Accepted for Record  
JED 11/30/2015

NM OIL CONSERVATION  
ARTESIA DISTRICT  
JAN 26 2015

RECEIVED

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

Electronic Submission #284741 verified by the BLM Well Information System  
For APACHE CORPORATION, sent to the Carlsbad  
Committed to AFMSS for processing by DEBORAH HAM on 01/16/2015 ()

Name (Printed/Typed) EMILY FOLLIS	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 12/10/2014

ACCEPTED FOR RECORD

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

JAN 21 2015

Approved By	Title
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

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

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.

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

**Additional data for EC transaction #284741 that would not fit on the form**

**32. Additional remarks, continued**

PROPANT, 71,596 # 40/70 FRAC PROPANT, 39,094 # RESIN COATED FRAC PROPANT, 253 BBLS FLUSH, FRAC STAGE # 9 PUMPED 120 BBLS 15 % ACID, 3.875 OD BALL DROP W/ ACID, OPEN PORT W/4045# PSI, 71,178 # 100 MESH FRAC PROPANT, 71,182 # 40/70 FRAC PROPANT 40,570 # RESIN COATED FRAC PROPANT, 199 BBLS FLUSH, WELL IN & SHUT DOWN FOR NIGHT OPEN PORT ON STAGE # 10 PUMPED 120 BBLS 15 % ACID, 4.00 OD BALL DROP W/ ACID, OPEN PORT W/ 3598 # PSI, DISPLACE ACID W/300 BBLS SLICK WATER, SHUT FRAC STAGE # 10 PUMPED 120 BBLS 15 % ACID, DROP 4.00 BALL W/ ACID, OPEN SLEEVE W/3598 # PSI, 71,584 # 100 MESH FRAC PROPANT, 68,870 # 40/70 FRAC PROPANT, 42,821 # RESIN COATED FRAC PROPANT, 230 BBLS FLUSH FRAC STAGE # 11 PUMPED 120 BBLS 15 % ACID, DROP 4.125 BALL W/ ACID, OPEN SLEEVE W/ 3682 # PSI, 68,517 # 100 MESH FRAC PROPANT, 68,846 # 40/70 FRAC PROPANT, 40,038 # RESIN COATED FRAC PROPANT, 224 BBLS FLUSH FRAC STAGE # 12 PUMPED 120 BBLS 15 % ACID, DROP 4.250 BALL W/ ACID, OPEN SLEEVE W/ 4196 # PSI, 69,692 # 100 MESH FRAC PROPANT, 69,906 # 40/70 FRAC PROPANT, 38,916 # RESIN COATED FRAC PROPANT, 215 BBLS FLUSH, FRAC STAGE # 13 PUMPED 120 BBLS 15 % ACID, DROP 4.375 BALL W/ ACID, OPEN SLEEVE W/ 4147 # PSI, 67,530 # 100 MESH FRAC PROPANT, 71,038 # 40/70 FRAC PROPANT, 39,976 # RESIN COATED FRAC PROPANT, 221 BBLS FLUSH

10/24/2014

MIRU SURFACE EQUIPMENT AND BEGIN TIH W/ 4.50 MILL,BIT SUB, X/O, AND TBG, 2 7/8 PH-6, TAGGED UP ON PORT # 1 AT 6167, DRILL OUT PORT # 1 RUN SWEEP, RUN IN AND OUT OF PORT FOR PROPER CLEARANCE, RIH TO PORT # 2 AT 6487, DRILL OUT PORT # 2, RUN SWEEP, RUN IN AND OUT OF PORT FOR PROPER CLEARANCE, CIRCULATE, RIH TO PORT # 3 AT 6815, DRILL OUT PORT #3, RUN SWEEP, RUN IN AND OUT OF PORT W/ MILL TO ENSURE PROPER CLEARANCE, RIH TO PORT # 4 AT 7142, DRILL OUT PORT # 4, RUN SWEEP, RUN IN AND OUT OF PORT FOR PROPER CLEARANCE, RIH TO PORT # 5 AT 7453, DRILL OUT PORT # 5, RUN SWEEP, RUN IN AND OUT OF PORT TO ENSURE PROPER CLEARANCE, CIRCULATE, RIH TO PORT # 6 AT 7768, DRILL OUT PORT, RUN SWEEP, RUN IN AND OUT OF PORT TO ENSURE PROPER CLEARANCE, RIH TO PORT #7 AT 8088, DRILL OUT PORT, RUN SWEEP, RUN IN AND OUT OF PORT TO ENSURE PROPER CLEARANCE, RIH TO PORT # 8 AT 8398, DRILL OUT PORT, RUN SWEEP, RUN IN AND OUT OF PORT W/ MILL TO ENSURE PROPER CLEARANCE, RIH TO PORT # 9 AT 8705, DRILL OUT PORT, RUN SWEEP, RUN IN AND OUT OF PORT W/ MILL TO ENSURE PROPER CLEARANCE, RIH TO PORT # 10 AT 9025, DRILL OUT PORT, RUN SWEEP, RUN IN AND OUT OF PORT W/ MILL TO ENSURE PROPER CLEARANCE, CIRCULATE RIH TO PORT # 11 AT 9398, DRILL OUT PORT #11 RUN SWEEP, RUN MILL IN AND OUT OF PORT TO ENSURE PROPER CLEARANCE

10/25/2014: RIH TO FRAC PORT # 12 AT 9558, DRILL OUT PORT, RUN SWEEP, RUN IN AND OUT OF PORT W/ MILL FOR PROPER ID, RIH TO PBTD OF 9980 CIRCULATE WELL  
TOTAL PACKER SLEEVE ASSEMBLY INTERVAL = 6166?-9834?

11/4/2014 RIH W/165 JTS 2-17/8 J-55 TBG

11/5/2014 WELL HAD 159 JTS 2-7/8 RE-RAN TO 5163? RIH W/ SUBMERSIBLE

11/17/201 INSTALL DRIVE & ELEC - POP