

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia
NM OIL CONSERVATION
ARTESIA DISTRICT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS AUG 3 2015
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

RECEIVED

5. Lease Serial No.
NMLC029435A

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.
RAVEN FEDERAL 20H

9. API Well No.
30-015-40917

10. Field and Pool, or Exploratory
CEDAR LAKE; GLORIETA-YESO

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 LN
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 7 T17S R31E SESE 420FSL 180FEL
32.842921 N Lat, 103.901190 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 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 well as follows:

- 10/07/2014 Run logs, TOC @ 100' (CBL).
- 10/16/2014 Tag DV Tool @ 4889'. DO on DV tool. Circ clean @ 4892'.
- 10/17/2014 RIH w/ mill, mill debris sub.
- 10/20/2014 Finish mill debris sub.
- 11/19/2014 Frac Upper Blinbry using Packer Plus Packer Sleeve System.
- Stage 1 - Frac 9496'-9500' w/ 179 bbls 15% HCl & 189,636# sand (100 Mesh & 40/70).
- Stage 2 - Frac 9265'-9269' w/ 179.3 bbls 15% HCl & 180,765# sand (100 Mesh & 40/70).
- Stage 3 - Frac 8989'-8993' w/ 179.1 bbls 15% HCl & 180,359# sand (100 Mesh & 40/70).
- Stage 4 - Frac 8713'-8717' w/ 180.2 bbls 15% HCl & 180,425# sand (100 Mesh & 40/70).
- Stage 5 - Frac 8444'-8448' w/ 179.2 bbls 15% HCl & 179,054# sand (100 Mesh & 40/70).

NM OIL CONSERVATION
ARTESIA DISTRICT

AUG 3 2015

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Accepted for record
JES NMOCD 8/12/15

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

Electronic Submission #298976 verified by the BLM Well Information System
For APACHE CORPORATION, sent to the Carlsbad
Committed to AFMSS for processing by DEBORAH HAM on 06/13/2015

Name (Printed/Typed) FATIMA VASQUEZ

Title REGULATORY ANALYST II

Signature (Electronic Submission)

Date 04/21/2015

ACCEPTED FOR RECORD

JUL 28 2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

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 #298976 that would not fit on the form

32. Additional remarks, continued

Stage 6 - Frac 8167'-8171' w/ 178.8 bbls 15% HCl & 180,265# sand (100 Mesh & 40/70).
Stage 7 - Frac 7899'-7903' w/ 179 bbls 15% HCl & 182,179# sand (100 Mesh & 40/70).
Stage 8 - Frac 7627'-7631' w/ 179 bbls 15% HCl & 179,973# sand (100 Mesh & 40/70).
11/20/2014 Stage 9 - Frac 7354'-7358' w/ 179 bbls 15% HCl & 180,000# sand (100 Mesh & 40/70).
Stage 10 - Frac 7088'-7092' w/ 179 bbls 15% HCl & 180,066# sand (100 Mesh & 40/70).
Stage 11 - Frac 6807'-6811' w/ 179 bbls 15% HCl & 179,988# sand (100 Mesh & 40/70).
Stage 12 - Frac 6527'-6531' w/ 179 bbls 15% HCl & 184,004# sand (100 Mesh & 40/70).
Stage 13 - Frac 6247'-6251' w/ 182 bbls 15% HCl & 180,126# sand (100 Mesh & 40/70).
Stage 14 - Frac 5965'-5969' w/ 179.1 bbls 15% HCl & 95,456# sand (100 Mesh & 40/70).
12/02/2014 RIH w/ mill.
12/03/2014 DO frac ports #1-#10. Lost circ while milling on #11.
12/04/2014 POH, unplugged mill. RIH, unable to regain circ. #11-#13 frac ports remaining in hole.
PBD @ 8713'.
12/12/2014 RIH w/ 2-7/8" prod tbg. Submersible @ 4662'. Desander @ 4813'. ETD @ 5138'. RDMOSU.
Clean loc.
12/13/2014 POP.