

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.
NMNM20965

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
RDX FEDERAL 17 79 API Well No
30-015-39937-00-X110 Field and Pool, or Exploratory
BRUSHY DRAW11 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 Drilling Operations
	<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.)

Commenced Completion on 7/03/2012. Drilled out DV tool at 5512 feet. Continued in hole to tag PBTD at 7388 feet. Placed 1000 psi on well. Ran CBL/GR/CCL to surface. Estimated TOC @ 3040 feet (correlated to HES dual spaced spectral density log dated 6/17/2012).

Fracturing Data

Stage 1 - 6912 feet to 7163 feet (44 holes): Pump 6911 gal of slick water, bull head 1500 gals of 15% HCL acid, 54061 gal of Delta Frac 140 - R(11) gel w/ 79608 lb of Premium White 16/30 sand in 5/1.0/2.0/3.0/4.0 ppg concentrations tailed with 11138 gals of Delta Frac 140 - R(11) gel w/ 36560 lb of CRC 16/30 sand in 5 ppg concentration, Flush to bottom perf spotting 500 gal of 15% HCL acid over next perf interval.

RECEIVED

AUG 14 2012

NMOCD ARTESIA

Accepted for record

NMOCD

Jade 8/09/12

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

**Electronic Submission #144789 verified by the BLM Well Information System
For RKI EXPLORATION & PROD LLC, sent to the Carlsbad****Committed to AFMSS for processing by BEVERLY WEATHERFORD on 08/09/2012 (12BMW0515SE)**

Name (Printed/Typed) CHARLES K AHN

Title HS&E/REGULATORY MANAGER

Signature (Electronic Submission)

Date 08/03/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

ACCEPTEDJAMES A AMOS
Title SUPERVISOR EPS

Date 08/12/2012

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 #144789 that would not fit on the form

32. Additional remarks, continued

Stage 2 - 6628 feet to 6830 feet (42 holes): Pump 7988 gal of slick water, bull head 1500 gals of 15% HCL acid, 54565 gal of Delta Frac 140 - R(11) gel w/ 82636 lb of Premium White 16/30 sand in .5/1.0/2.0/3.0/4.0 ppg concentrations tailed with 8466 gals of Delta Frac 140 - R(11) gel w/ 36451 lb of CRC 16/30 sand in 5 ppg concentration, Flush to bottom perf spotting 500 gal of 15% HCL acid over next perf interval

Stage 3 - 6300 feet to 6468 feet (38 holes): Pump 7732 gal of slick water, bull head 1500 gals of 15% HCL acid, 53575 gal of Delta Frac 140 - R(11) gel w/ 78605 lb of Premium White 16/30 sand in .5/1.0/2.0/3.0/4.0 ppg concentrations tailed with 9541 gals of Delta Frac 140 - R(11) gel w/ 38040 lb of CRC 16/30 sand in 5 ppg concentration, Flush to bottom perf spotting 500 gal of 15% HCL acid over next perf interval.

Stage 4 - 5914 feet to 5994 feet (34 holes): Pump 7314 gal of slick water, bull head 1500 gals of 15% HCL acid, 52675 gal of Delta Frac 140 - R(11) gel w/ 72188 lb of Premium White 16/30 sand in .5/1.0/2.0/3.0/4.0 ppg concentrations tailed with 9015 gals of Delta Frac 140 - R(11) gel w/ 35025 lb of CRC 16/30 sand in 5 ppg concentration, Flush to bottom perf spotting 500 gal of 15% HCL acid over next perf interval

Stage 5 - 5496 feet to 5788 feet (44 holes): Pump 13279 gal of slick water, bull head 1500 gals of 15% HCL acid, 52927 gal of Delta Frac 140 - R(11) gel w/ 73811 lb of Premium White 16/30 sand in .5/1.0/2.0/3.0/4.0 ppg concentrations tailed with 5850 gals of Delta Frac 140 - R(11) gel w/ 17590 lb of CRC 16/30 sand in 5 ppg concentration, Flush to bottom perf.

Tied into ESP and produced well.