

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
NMNM102917

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 21 239. API Well No
30-015-39816-00-S110. 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<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 Drilling Operations

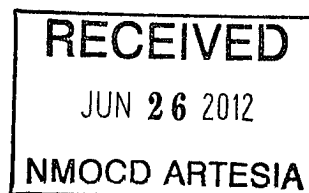
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths 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.)

Work commenced on 3-13-2012. Drilled out DV tool @ 5015 feet and cleaned out to 7345 feet (PBDT). Rigged up wire line unit and ran cement bond log. Found Est top of cement at approximately 2,520 feet.

Accepted for record
NMOCD RDX 7/5/12

FRAC DATA

Stage 1 = 6932 feet to 7035 feet (perf. 44 holes): Start on 500 gals of Water Frac G - break down at 3098 psig, 1500 gals of 15% HCl acid div w/ 88 bioballs (ball out) 13,601 gals of Water Frac G, 14,979 gals of Delta Frac XL gel pad, 40,259 gals of Delta Frac 140 XL carrying 79,745# 16/30 prem wht sand at .5/1.0/2.0/3.0/4.0 ppg conc tailed w/ 7174 gals of Delta Frac 140 XL carrying 32,705# of CRC-16/30 sand. Flush to btm perf. ISIP/5/10/15 - 442/299/268/252 Avg Trt psi/Max Trt psi - 2695/4860 Avg/Max trt rate-59/61 LTR: 76,122 gals (1812 bbls) Proppant placed - 112,550 lbs.



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

Electronic Submission #138975 verified by the BLM Well Information System**For RKI EXPLORATION & PROD LLC, sent to the Carlsbad****Committed to AFMSS for processing by KURT SIMMONS on 06/13/2012 (12KMS2253SE)**

Name (Printed/Typed) CHARLES K AHN

Title HS&E/REGULATORY MANAGER

Signature (Electronic Submission)

Date 05/25/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

ACCEPTEDJAMES A AMOS
Title SUPERVISOR EPS

Date 06/23/2012

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 #138975 that would not fit on the form

32. Additional remarks, continued

Stage 2 = 6685 feet to 6794 feet (perf. 60 holes): Start on 500 gals of Water Frac G ? break down at 4744 psig, 1500 gals of 15% HCl acid div w/ 80 bioballs (ball out) 13,381 gals of Water Frac G, 14,957 gals of Delta Frac XL gel pad, 38,979 gals of Delta Frac 140 XL carrying 76,155# 16/30 prem wht sand at .5/1.0/2.0/3.0/4.0 ppg conc tailed w/ 8134 gals of Delta Frac 140 XL carrying 37,513# of CRC-16/30 sand. Flush to btm perf. ISIP - 489/347/288/270 Avg Trt psi/Max Trt psi - 2478/2973 Avg/Max trt rate-69/75 Load to recover: 77,584 gals (1847 bbls) Proppant placed - 113,668 lbs.

stage 3 = 6496 feet to 6642 feet (perf. 42 holes): Start on 500 gals of water Frac G ? break down at 1443 psig, 1500 gals of 15% HCl acid div w/ 84 bioballs (ball out) 14,043 gals of Water Frac G, 14,957 gals of Delta Frac XL gel pad, 54987 gals of Delta Frac 140 XL carrying 99,464# 16/30 prem wht sand at .5/1.0/2.0/3.0/4.0 ppg conc tailed w/ 8873 gals of Delta Frac 140 XL carrying 41,337# of CRC-16/30 sand. Flush to btm perf. ISIP - 406/ Avg Trt psi/Max Trt psi - 2277/2828 Avg/Max trt rate-70/76 End FG - .50 psi/ft. Load to recover: 92,464 gals (2201 bbls) Proppant placed - 140,801 lbs.

Stage 4 = 6289 feet to 6434 feet (perf. 48 holes): Start on 500 gals of water Frac G ? break down at 722 psig, 1500 gals of 15% HCl acid div w/ 100 bioballs (ball out) 13,355 gals of Water Frac G, 14,957 gals of Delta Frac XL gel pad, 39,224 gals of Delta Frac 140 XL carrying 102,350# 16/30 prem wht sand at .5/1.0/2.0/3.0/4.0 ppg conc tailed w/ 7474 gals of Delta Frac 140 XL carrying 43,210# of CRC-16/30 sand. Flush to btm perf. ISIP/5/10/15 - 406/349/345/327 Avg Trt psi/Max Trt psi - 2348/3131 Avg/Max trt rate-73/80 LTR: 76,732 gals (1822 bbls) Proppant placed - 110,068 lbs.

Stage 5 = 5877 feet to 6080 feet (perf. 48 holes): Start on 500 gals of water Frac G ? break down at 698 psig, 1500 gals of 15% HCl acid div w/ 100 bioballs (ball out) 11,694 gals of Water Frac G, 14,950 gals of Delta Frac XL gel pad, 54,422 gals of Delta Frac 140 XL carrying 98,520# 16/30 prem wht sand at .5/1.0/2.0/3.0/4.0 ppg conc tailed w/ 10,098 gals of Delta Frac 140 XL carrying 47,464# of CRC-16/30 sand. Flush to btm perf. ISIP/5/10/15 - 464/346/323/313 Avg Trt psi/Max Trt psi - 3213/4556 Avg/Max trt rate-74/83 LTR: 92,836 gals (2210 bbls) Proppant placed - 145,948 lbs.

Stage 6 = 5650 feet to 5766 feet (perf. 40 holes): Start on 500 gals of water Frac G - break down at 698 psig. 1500 gals of 15% HCL acid div w/80 bioballs (ball out) 12,903 gals of Water Frac G, 14,900 gals of Delta Frac XL gel pad, 65,285 gals of Delta Frac 140 XL carrying 97,066# 16/30 prem wht sand at .5/1.0/2.0/3.0/4.0 ppg conc tailed w/ 9850 gals of Delta Frac 140 XL carrying 35,671# of CRC 16/30 sand. Flush to top perf. ISIP/5/10/15 - 597/288/259/244 Avg Trt psi/Max Trt psi - 2507/3396 Avg/Max trt rate-70/78 Load to recover: 114,406 gals (2724 bbls) Proppant placed - 132,737 lbs.

Tied into ESP and produced well.