

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. NMNM102917
2. Name of Operator RKI EXPLORATION & PROD LLC		6. If Indian, Allottee or Tribe Name
Contact: CHARLES K AHN E-Mail: cahn@rkixp.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 3817 NW EXPRESSWAY SUITE 950 OKLAHOMA CITY, OK 73112	3b. Phone No. (include area code) Ph: 405-996-5771 Fx: 405-996-5772	8. Well Name and No. RDX FEDERAL 21 73
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 21 T26S R30E NWSE 2310FSL 2060FEL		9. API Well No. 30-015-40725-00-S1
		10. Field and Pool, or Exploratory BRUSHY DRAW
		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 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	

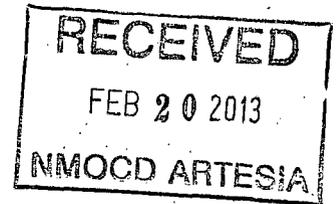
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths 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 activities on 11/21/2012. Drilled out DV tool on 11/27/12. On 11/28/12, CBL under 1000 psi from PBTB @ 7,340 feet to surface. Estimated TOC @ 2,740 feet.

Fracturing Data (12/07/12 through 12/13/12)

perf STG 1, 162 Zone from 6864 feet to 7104 feet (58 holes) - pumped 19190 gals of slick water, bull head 1500 gal of 15% HCL acid, (BRK press 3931) 69278 gal of Delta Frac 140- R(11) w/ 99555 lb Premium White 16/30 prop in 0.5/1/2/3/4 ppg tailed with 10868 gal of DF 140-R(11) w/ 43057 lb of CRC 16/30 prop at 5 ppg. Flushed to bottom perf, spotting 500 gal acid over next perfs

perf STG 2 from 6664 feet to 6788 feet (34 holes) - pumped 16596 gals of slick water, bull head 1500 gal of 15% HCL acid, (BRK press 4596) 53644 gal of Delta Frac 140- R(11) w/ 78534 lb Premium



SWade 2/21/13
Accepted for record
NMOC D

14. I hereby certify that the foregoing is true and correct. Electronic Submission #198245 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 02/12/2013 (13KMS3340SE)	
Name (Printed/Typed) CHARLES K AHN	Title HS&E/REGULATORY MANAGER
Signature (Electronic Submission)	Date 02/08/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED	JAMES A AMOS Title SUPERVISOR EPS	Date 02/16/2013
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 #198245 that would not fit on the form

32. Additional remarks, continued

White 16/30 prop in 0.5/1/2/3/4 ppg tailed with 9035 gal of DF 140-R(11) w/ 31160 lb of CRC 16/30 prop at 5 ppg. Flushed to bottom perf, spotting 500 gal acid over next perms,

perf STG 3 from 6476 feet to 6632 feet (54 holes) pumped 8086 gals of slick water, bull head 1500 gal of 15% HCL acid, (BRK press 2570) 53904 gal of Delta Frac 140- R(11) w/ 78193 lb Premium White 16/30 prop in 0.5/1/2/3/4 ppg tailed with 9211 gal of DF 140-R(11) w/ 30306 lb of CRC 16/30 prop at 5 ppg. Flushed to bottom perf, spotting 500 gal acid over next perms

perf STG 4 from 6282 feet to 6428 feet (38 holes) pumped 14845 gals of slick water, bull head 1500 gal of 15% HCL acid, (BRK press 401) 53486 gal of Delta Frac 140- R(11) w/ 77477 lb Premium White 16/30 prop in 0.5/1/2/3/4 ppg tailed with 9575 gal of DF 140-R(11) w/ 32748 lb of CRC 16/30 prop at 5 ppg. Flushed to bottom perf, spotting 500 gal acid over next perms,

perf STG 5 from 6033 feet to 6134 feet (39 holes)- pumped 17192 gals of slick water, bull head 1500 gal of 15% HCL acid, (BRK press 1382) 53808 gal of Delta Frac 140- R(11) w/ 77935 lb Premium White 16/30 prop in 0.5/1/2/3/4 ppg tailed with 8346 gal of DF 140-R(11) w/ 25557 lb of CRC 16/30 prop at 5 ppg. Flushed to bottom perf, spotting 500 gal acid over next perms

perf STG 6 from 5858 feet to 5998 feet (40 holes) - pumped 15630 gals of slick water, bull head 1500 gal of 15% HCL acid, (BRK press 1911) 54287 gal of Delta Frac 140- R(11) w/ 78803 lb Premium White 16/30 prop in 0.5/1/2/3/4 ppg tailed with 8170 gal of DF 140-R(11) w/ 26573 lb of CRC 16/30 prop at 5 ppg. Flushed to bottom perf, spotting 500 gal acid over next perms, ISIP 366, 5/10/15 min sip ? 272/254/247, F.G. .50, total prop 105376, TLR 79588 gal, Avg rate 76 bpm, Max rate 81.2 bpm, MTP 5026, ATP 3794, 60 bio balls, 5879 ball out.

perf STG 7 from 5641 feet to 5744 feet (40 holes) - pumped 13588 gals of slick water, bull head 1500 gal of 15% HCL acid, (BRK press 1385) 54425 gal of Delta Frac 140- R(11) w/ 82905 lb Premium White 16/30 prop in 0.5/1/2/3/4 ppg tailed with 6325 gal of Delta Frac 140-R(11) w/ 25556 lb of CRC 16/30 prop at 5 ppg. Flushed to bottom perf,

TLR 577,484 gal, Total proppant = 820,540 lbs.

tied into ESP on 12/15/12