

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.*

**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. NMMN100558
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 15 15
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 15 T26S R30E SENE 1650FNL 990FEL		9. API Well No. 30-015-39936-00-S1
		10. Field and Pool, or Exploratory BRUSHY DRAW UNKNOWN
		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	

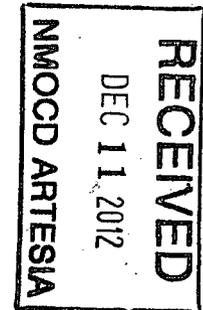
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths 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 7/06/2012 (MIRU rig). Drilled out DV tool @ 5390 feet, rig down swivel. CIH and tag PBTD @ 7595 feet. Placed 1000 psig on well. Ran CBL/GR/CCL to surface. Estimated TOC @ 3236 feet.

Fracturing Data

Stage 1: 7288 feet to 7374 feet (22 holes) - Pump 7889 gallons of slick water, bull head 1500 gallons of 15% HCL acid (brk pres - 3809), 48895 gallons of Delta Frac 140 - R(11) gel w/ 58796 lbs of Premium White 16/30 sand in .5/1.0/2.0/3.0, ppg concentrations tailed with 7743 gallons of Delta Frac 140 - R(11) gel w/ 18220 lbs of CRC 16/30 sand in 4 ppg concentration, Flush to bottom perf spotting 500 gal of 15% HCL acid over next perf interval.

*Revised 12/3/12*  
Accepted for record  
NMOCD



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

Electronic Submission #160773 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 11/20/2012 (13KMS3940SE)

Name (Printed/Typed) CHARLES K AHN	Title HS&E/REGULATORY MANAGER
Signature (Electronic Submission)	Date 11/20/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <b>ACCEPTED</b>	JAMES A AMOS Title ACTING FIELD MANAGER	Date 12/08/2012
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.

## Additional data for EC transaction #160773 that would not fit on the form

### 32. Additional remarks, continued

Stage 2: 6792 feet to 6992 feet (48 holes) - Pump 9937 gallons of slick water, bull head 1500 gals of 15% HCL acid (brk pres - 1412), 70932 gallons of Delta Frac 140 - R(11) gel w/ 100314 lbs of Premium White 16/30 sand in .5/1.0/2.0/3.0/4.0 ppg concentrations tailed with 9627 gallons of Delta Frac 140 - R(11) gel w/ 42287 lbs of CRC 16/30 sand in 5 ppg concentration, Flush to bottom perf spotting 500 gallons of 15% HCL acid over next perf interval.

Stage 3: 6526 feet to 6692 feet (44 holes) - Pump 9959 gallons of slick water, bull head 1500 gallons of 15% HCL acid (brk pres - 2143), 53754 gallons of Delta Frac 140 - R(11) gel w/ 75764 lbs of Premium White 16/30 sand in .5/1.0/2.0/3.0/4.0 ppg concentrations tailed with 7811 gallons of Delta Frac 140 - R(11) gel w/ 30918 lbs of CRC 16/30 sand in 5 ppg concentration, Flush to bottom perf spotting 500 gallons of 15% HCL acid over next perf interval.

Stage 4: 6102 feet to 6340 feet (46 holes) - Pump 9586 gallons of slick water, bull head 1500 gallons of 15% HCL acid (brk pres - 781), 69183 gallons of Delta Frac 140 - R(11) gel w/ 100926 lbs of Premium White 16/30 sand in .5/1.0/2.0/3.0/4.0 ppg concentrations tailed with 10028 gallons of Delta Frac 140 - R(11) gel w/ 41314 lbs of CRC 16/30 sand in 5 ppg concentration, Flush to bottom perf spotting 500 gallons of 15% HCL acid over next perf interval.

Stage 5: 5798 feet to 5968 feet (38 holes) - Pump 17895 gallons of slick water, bull head 1500 gallons of 15% HCL acid (brk pres - 1579), 51343 gallons of Delta Frac 140 - R(11) gel w/ 73553 lbs of Premium White 16/30 sand in .5/1.0/2.0/3.0/4.0 ppg concentrations tailed with 8418 gallons of Delta Frac 140 - R(11) gel w/ 35131 lbs of CRC 16/30 sand in 5 ppg concentration, Flush to bottom perf.

Total sand = 587660 lbs Total load to recover = 423865 gallons.

Tied into ESP and produced well.