

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		8. Well Name and No. RDX FEDERAL 21 11
2. Name of Operator RKI EXPLORATION & PROD LLC		9. API Well No. 30-015-40559-00-X1
3a. Address 3817 NW EXPRESSWAY SUITE 950 OKLAHOMA CITY, OK 73112		10. Field and Pool, or Exploratory BRUSHY DRAW
3b. Phone No. (include area code) Ph: 405-996-5771 Fx: 405-996-5772		11. County or Parish, and State EDDY COUNTY, NM
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 21 T26S R30E NENW 430FNL 1180FWL		

**RECEIVED**  
 DEC 31 2012  
 NMOCD ARTESIA

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	Drilling Operations
	<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 10/12/2012.

DRILLED OUT DV TOOL AT 5528 FEET. CONTINUE IN HOLE TO TAG PBDT AT 7411 FEET.

Ran CBL/Gamma Ray logs from PBDT @ 7390 feet to surface under 1000 psi pressure. TOC @ 2395 feet.

perf STG 1 from 6906 feet to 7112 feet (42 holes) Test lines to 7500#. pumped 16370 gallons of slick water, bull head 1500 gallons of 15% HCL acid, (BRK press 1967) 55017 gallons of Delta Frac 140- R(11) w/ 79512 lbs Premium White 16/30 prop in 0.5/1/2/3/4 ppg tailed with 8370 gallons of DF. 140-R(11) w/ 29309 lbs of CRC 16/30 prop at 5 ppg. Flushed to bottom perf, spotting 500 gallons acid over next perfs.

Accepted for record  
NMOCD  
CRDoyle 1/4/13

14. I hereby certify that the foregoing is true and correct.	
<b>Electronic Submission #164291 verified by the BLM Well Information System For RKI EXPLORATION &amp; PROD LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 12/18/2012 (13KMS4189SE)</b>	
Name (Printed/Typed) CHARLES K AHN	Title HS&E/REGULATORY MANAGER
Signature (Electronic Submission)	Date 12/14/2012

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By <b>ACCEPTED</b>	JAMES A AMOS Title SUPERVISOR EPS	Date 12/24/2012
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 #164291 that would not fit on the form

### 32. Additional remarks, continued

perf STG 2 from 6728 feet to 6754 feet (32 holes) - Test lines to 7500#. pumped 13800 gallons of slick water, bull head 1500 gallons of 15% HCL acid, (BRK press 3853) 35086 gallons of Delta Frac 140-R(11) w/ 41240 lbs Premium White 16/30 prop in 0.5/1/2/3 ppg tailed with 4463 gallons of DF 140-R(11) w/ 10426 lbs of CRC 16/30 prop at 4 ppg. Flushed to bottom perf, spotting 500 gallons acid over next perms.

perf STG 3 from 6494 feet to 6646 feet (46 holes). Test lines to 7500#. pumped 14641 gallons of slick water, bull head 1500 gallons of 15% HCL acid, (BRK press 1923) 54139 gallons of Delta Frac 140-R(11) w/ 78810 lbs Premium White 16/30 prop in 0.5/1/2/3/4 ppg tailed with 8250 gallons of DF 140-R(11) w/ 29959 lbs of CRC 16/30 prop at 5 ppg. Flushed to bottom perf, spotting 500 gal acid over next perms.

perf STG 4 from 6296 feet to 6446 feet (40 holes) pumped 15025 gallons of slick water, bull head 1500 gallons of 15% HCL acid, (BRK press 1110) 54213 gallons of Delta Frac 140- R(11) w/ 81149 lbs Premium White 16/30 prop in 0.5/1/2/3/4 ppg tailed with 8316 gallons of DF 140-R(11) w/ 30912 lbs of CRC 16/30 prop at 5 ppg. Flushed to bottom perf, spotting 500 gallons acid over next perms.

perf STG 5 from 5878 feet to 6080 feet (40 holes) -Test lines to 7500#. pumped 15194 gallons of slick water, bull head 1500 gallons of 15% HCL acid, (BRK press 1205) 54654 gallons of Delta Frac 140- R(11) w/ 78800 lbs Premium White 16/30 prop in 0.5/1/2/3/4 ppg tailed with 8396 gallons of DF 140-R(11) w/ 32896 lbs of CRC 16/30 prop at 5 ppg. Flushed to bottom perf, spotting 500 gallons acid over next perms.

perf STG 6 from 5596 feet to 5778 feet (42 holes) Test lines to 7500#. pumped 16501 gallons of slick water, bull head 1500 gallons of 15% HCL acid, (BRK press 1673) 55134 gallons of Delta Frac 140-R(11) w/ 73209 lbs Premium White 16/30 prop in 0.5/1/2/3/4 ppg tailed with 5940 gallons of DF 140-R(11) w/ 39858 lbs of CRC 16/30 prop at 5 ppg. Flushed to bottom perf.

TLR = 452508 gallons, Total proppant = 606087 lbs.

Tie into ESP and produced well.