

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CDP Artesia  
**RECEIVED**  
JAN 15 2013  
CDP 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 22
2. Name of Operator RKI EXPLORATION & PROD LLC Contact: CHARLES K AHN E-Mail: cahn@rkixp.com	9. API Well No. 30-015-40561-00-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 SENW 1650FNL 1650FWL	

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.)

Commenced Completion activities on 9/12/2012. On 9/13/2012, drilled out DV tool @ 5510 feet. Circulated well clean, RD swivel. CIH to tag PBDT @ 7311 feet.

On 9/14/12, pressure tested production casing to 2500 psi for 30 minutes. Held OK.

On 9/15/2012, Ran CBL/GR/CCL to surface. Estimated TOC at 2206 feet. Correlated to HES Dual Spaced Spectral Density log dated 8/31/12.

**FRACTURING DATA**

perf STG 1 from 6862 feet to 7094 feet (44 holes) - pumped 10602 gallons of slick water, bull head 1500 gallons of 15% HCL acid, (BRK press 2898) 68757 gallons of Delta Frac 140- R(11) w/ 101849 lbs

*#Dade 1/15/13*  
*accepted for record*  
**NMOCD**

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

Electronic Submission #175318 verified by the BLM Well Information System  
For RKI EXPLORATION & PROD LLC, sent to the Carlsbad  
Committed to AFSS for processing by KURT SIMMONS on 01/04/2013 (13KMS4325SE)

Name (Printed/Typed) CHARLES K AHN	Title HS&E/REGULATORY MANAGER
Signature (Electronic Submission)	Date 01/02/2013

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

Approved By <b>ACCEPTED</b>	JAMES A AMOS Title SUPERVISOR EPS	Date 01/13/2013
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 #175318 that would not fit on the form

### 32. Additional remarks, continued

Premium White 16/30 prop in 0.5/1/2/3/4 ppg tailed with 10670 gallons of DF 140-R(11) w/ 38432 lbs of CRC 16/30 prop at 5 ppg. Flushed to bottom perf, spotting 500 gallons acid over next perms.

perf STG 2 from 6467 feet to 6756 feet (58 holes) - pumped 10722 gallons of slick water, bull head 1500 gallons of 15% HCL acid, (BRK press 1992) 68724 gallons of Delta Frac 140- R(11) w/ 99141 lbs Premium White 16/30 prop in 0.5/1/2/3/4 ppg tailed with 9606 gallons of DF 140-R(11) w/ 37637 lbs of CRC 16/30 prop at 5 ppg. Flushed to bottom perf, spotting 500 gallons acid over next perms.

perf STG 3 from 6246 feet to 6400 feet (36 holes) - pumped 10310 gallons of slick water, bull head 1500 gallons of 15% HCL acid, (BRK press 1821) 51698 gallons of Delta Frac 140-R(11) w/ 79491 lbs Premium White 16/30 prop in 0.5/1/2/3/4 ppg tailed with 8750 gallons of DF 140-R(11) w/ 29141 lbs of CRC 16/30 prop at 5 ppg. Flushed to bottom perf, spotting 500 gallons acid over next perms.

perf STG 4 from 5864 feet to 6018 feet (40 holes) pumped 8875 gallons of slick water, bull head 1500 gallons of 15% HCL acid, (BRK press 1409) 53139 gallons of Delta Frac 140- R(11) w/ 78150 lbs Premium White 16/30 prop in 0.5/1/2/3/4 ppg tailed with 8856 gallons of DF 140-R(11) w/ 31710 lbs of CRC 16/30 prop at 5 ppg. Flushed to bottom perf, spotting 500 gallons acid over next perms.

perf STG 5 from 5544 feet to 5718 feet (40 holes) pumped 14448 gallons of slick water, bull head 1500 gallons of 15% HCL acid, (BRK press 1830) 53600 gallons of Delta Frac 140- R(11) w/ 78967 lbs Premium White 16/30 prop in 0.5/1/2/3/4 ppg tailed with 10224 gallons of DF 140-R(11) w/ 38066 lbs of CRC 16/30 prop at 5 ppg. Flushed to bottom perf.

TLR = 428,657 gallons, Total proppant = 624,680 lbs

Tied into ESP and produced well on 12/13/12.