

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 NMNM101110
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: 405-996-5746	8. Well Name and No RDX 17 4
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 17 T26S R30E SENE 1800FNL 660FEL 32.044908 N Lat, 103.897054 W Lon		9. API Well No 30-015-36817-00-S1
		10. Field and Pool, or Exploratory ROSS 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
	<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 recompleat 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 recompleat 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 12-19-2011. PU 4 3/4 inch rotary bit, bit sub, XO - TIH picking up 153 jts of 2 7/8 inch N-80 8rd 6.5# tbg - tagged at 4995 feet - RU power swivel - drill out 11 feet of cement and DV tool - CIH to hard tag(74 jts) - PBD @ 7420 feet.

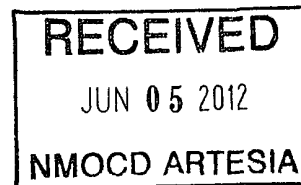
Circulated well clean w/ 175 bbls of 2% KCl water. RD power swivel. LD 5 jts of 2 7/8 inch tbg w/ EOT @ 7274 feet. Closed pipe rams - tested casing and connections to 2500 psig (OK).

Run CBL/CCL/GR from PBD to surface w/ 1000 psig on well. Estimated TOC at 3600 feet.

-PLEASE REFER TO ATTACHED FRAC SUMMARY FOR TYPES/AMOUNTS OF CHEMICALS USED FOR STAGES 1 THROUGH 5-

Accepted for record  
NMOCD

6/24/12



14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #138538 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 05/24/2012 (12KMS2076SE)	
Name (Printed/Typed) CHARLES K AHN	Title HS&E/REGULATORY MANAGER
Signature (Electronic Submission)	Date 05/21/2012

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

Approved By <b>ACCEPTED</b>	JAMES A AMOS Title SUPERVISOR EPS	Date 06/03/2012
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 #138538 that would not fit on the form**

**32. Additional remarks, continued**

Installed ESP pump and produced well.

PERFORATION Stage	AMOUNT AND TYPE OF MATERIAL
Stage 1 = 6900 feet to 7124 feet (100 holes)	Frac Stage 1 - Pump as follows: start on 500 gals of 30# lin gel (Water frac G) formation broke at 1526 psig 1500 gals of 15% HCl acid, 14,976 gals of Delta frac 140-R gel, 38,601 gals of 20# Delta Frac 140R carrying 75,801# of Premium White 16/30 sand at .5/1.0/2.0/3.04.0 ppg concentrations tailed with 7619 gals of 20# Delta Frac 140-R gel carrying 32,109# of CRC 16/30 sand at 5.0 ppg. Flushed to bottom perf. ISIP - 419 5/10/15 min SIPs - 350/334/324 psig. Total load to recover this stage - 82,213 gals (1958 bbls) Avg Treat/ Max Treat psi - 2305/3325 psig Avg Treat rate/Max Treat rate - 79.6/80 BPM Total Prop - 108,130 lbs. Note: Diverted acid w/ 160 bio balls - total ball out - surged balls of to continue job. Endig frag gradient - .52 psi/ft
Stage 2 = 6580 feet to 6834 feet (80 holes)	Frac Stage 2 - Pump as follows: start on 500 gals of 30# lin gel (Water frac G) formation broke at 974 psig 1500 gals of 15% HCl acid, 14,962 gals of Delta frac 140-R gel, 38,643 gals of 20# Delta Frac 140R carrying 79,107# of Premium White 16/30 sand at .5/1.0/2.0/3.04.0 ppg concentrations tailed with 7978 gals of 20# Delta Frac 140-R gel carrying 36,730# of CRC 16/30 sand at 5.0 ppg. Flushed to bottom perf. ISIP - 496 5/10/15 min SIPs - 328/310/302 psig. Total load to recover this stage - 82,602 gals (1967 bbls) Avg Treat/ Max Treat psi - 1797/3325 psig Avg Treat rate/Max Treat rate - 77.6/79 BPM Total Prop - 115,421 lbs.
stage 3 = 6310 feet to 6430 feet (60 holes)	Frac Stage 3- 1500 gals of 15% HCl acid, 15,057 gals of Delta frac 140-R gel, 38,931 gals of 20# Delta Frac 140R carrying 78,919# of Premium White 16/30 sand at .5/1.0/2.0/3.04.0 ppg concentrations tailed with 7009 gals of 20# Delta Frac 140-R gel carrying 31,634# of CRC 16/30 sand at 5.0 ppg. Flushed to bottom perf. ISIP - 339 5/10/15 min SIPs - 255/236/221 psig. Total load to recover this stage - 87,308 gals (2078 bbls) Avg Treat/ Max Treat psi - 2220/2602 psig Avg Treat rate/Max Treat rate - 79.9/82 BPM Total Prop - 110,814 lbs.
Stage 4 = 5920 feet to 6014 feet (60 holes)	Frac Stage 4 - 1500 gals of 15% HCl acid, 14,980 gals of Delta frac 140-R gel, 38,555 gals of 20# Delta Frac 140R carrying 77,032# of Premium White 16/30 sand at .5/1.0/2.0/3.04.0 ppg concentrations tailed with 8336 gals of 20# Delta Frac 140-R gel carrying 37,802# of CRC 16/30 sand at 5.0 ppg. Flushed to bottom perf. ISIP - 318 5/10/15 min SIPs - 278/267/260 psig. Total load to recover this stage - 77,217 gals (1838 bbls) Avg Treat/ Max Treat psi - 2806/4200 psig Avg Treat rate/Max Treat rate - 79.9/81 BPM Total Prop - 114,889 lbs.
Stage 5 = 5496 feet to 5790 feet (100 holes)	Frac Stage 5 - 1500 gals of 15% HCl acid, 19,4470 gals of Delta frac 140-R gel, 44,832 gals of 20# Delta Frac 140R carrying 86,118 of Premium White 16/30 sand at .5/1.0/2.0/3.04.0 ppg concentrations tailed with 10,726 gals of 20# Delta Frac 140-R gel carrying 49,670# of CRC 16/30 sand at 5.0 ppg. Flushed to bottom perf. ISIP - 358 5/10/15 min SIPs - 324/307/296 psig. Total load to recover this stage - 91,417 gals (2177 bbls) Avg Treat/ Max Treat psi - 1521/4200 psig Avg Treat rate/Max Treat rate - 77.9/81 BPM Total Prop - 136,011 lbs.