

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 NMNM102036
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: 405-996-5748	8. Well Name and No. RDX 153
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 15 T26S R30E NWSE 2310FSL 2310FEL 32.041662 N Lat, 103.868021 W Lon		9. API Well No. 30-015-36637-00-S1
		10. Field and Pool, or Exploratory UNDESIGNATED
		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 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.)

Work commenced on 1-05-2012. PU 4 3/4 inch bit, bit sub and XO - TIH picking up 153 jts of 2 7/8 inch N-80 tubing - tag cement at 4987 feet - RU power swivel - drill out cement and DV tool. RD power swivel. Continue picking up 78 more jts of 2 7/8 inch N-80 tubing tag PBTD at 7565 feet.

Open well, RU 2.5 inch power swivel, clean out well to 7571 feet. Circulate well clean w/ 170 bbls of 2% KCl water. RD power swivel, closed pipe rams, installed TIW valve - pressure tested casing to 2500 psig (due to 3000# BOPE) held pressure for 30 mins with no bleed off. Released psi.

Run CBL/CCL/GR from 7571 feet to surface w/ 1000 psig on well - shows good cement bond to 3700 feet.

-PLEASE REFER TO ATTACHED FRAC SUMMARY FOR STAGES 1 THROUGH 5-

CR Date 4/24/12  
Accepted for record  
NMOCD

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #138547 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 (12KMS2078SE)	
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 #138547 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 = 7240 feet to 7330 feet (40 holes)	Frac Stage 1 Pump as follows: start on 500 gals of 30# lin gel (Water frac G) formation broke at 1354 psig 1500 gals of 15% HCl acid, 15,326 gals of Delta frac 140-R gel, 54,912 gals of 20# Delta Frac 140R carrying 84,768# of Premium White 16/30 sand at .5/1.0/2.0/3.0/4.0 ppg concentrations tailed with 8136 gals of 20# Delta Frac 140-R gel carrying 35,700# of CRC 16/30 sand at 5.0 ppg. Flushed to bottom perf. ISIP - 395 5/10/15 min SIPs - 308/287/277 psig. Total load to recover this stage - 79,874 gals (1902 bbls) Avg Treat/ Max Treat psi - 2954/4828 psig Avg Treat rate/Max Treat rate - 49/52 BPM Total Prop - 121,911 lbs.
Stage 2 = 6786 feet to 6956 feet (80 holes)	Frac Stage 2 Pump as follows: start on 500 gals of 30# lin gel (Water frac G) formation broke at 572 psig 1500 gals of 15% HCl acid, 15,596 gals of Delta frac 140-R gel, 54,854 gals of 20# Delta Frac 140R carrying 87134,# of Premium White 16/30 sand at .5/1.0/2.0/3.0/4.0 ppg concentrations tailed with 7737 gals of 20# Delta Frac 140-R gel carrying 29,930# of CRC 16/30 sand at 5.0 ppg. Flushed to bottom perf. ISIP - 455 5/10/15 min SIPs - 381/360/351 psig. Total load to recover this stage - 79,687 gals (1897 bbls) Avg Treat/ Max Treat psi - 2287/2599 psig Avg Treat rate/Max Treat rate - 80/83 BPM Total Prop - 116,464 lbs.
stage 3 = 6498 feet to 6650 feet (60 holes)	Frac Stage 3 Pump as follows: start on 500 gals of 30# lin gel (Water frac G) formation broke at 572 psig 1500 gals of 15% HCl acid, 15,596 gals of Delta frac 140-R gel, 54,854 gals of 20# Delta Frac 140R carrying 87134,# of Premium White 16/30 sand at .5/1.0/2.0/3.0/4.0 ppg concentrations tailed with 7737 gals of 20# Delta Frac 140-R gel carrying 29,930# of CRC 16/30 sand at 5.0 ppg. Flushed to bottom perf. ISIP - 455 5/10/15 min SIPs - 381/360/351 psig. Total load to recover this stage - 79,687 gals (1897 bbls) Avg Treat/ Max Treat psi - 2287/2599 psig Avg Treat rate/Max Treat rate - 80/83 BPM Total Prop - 116,464 lbs.
Stage 4 = 6072 feet to 6282 feet (60 holes)	Frac Stage 4 Pump as follows: start on 500 gals of 30# lin gel (Water frac G) formation broke at 1252 psig 1500 gals of 15% HCl acid, 13,991 gals of Delta frac 140-R gel, 54,121 gals of 20# Delta Frac 140R carrying 72,028,# of Premium White 16/30 sand at .5/1.0/2.0/3.0/4.0 ppg concentrations tailed with 8494 gals of 20# Delta Frac 140-R gel carrying 31,330# of CRC 16/30 sand at 5.0 ppg. Flushed to bottom perf. ISIP - 388 5/10/15 min SIPs - 285/274/268 psig. Total load to recover this stage - 78,106 gals (1860 bbls) Avg Treat/ Max Treat psi - 2295/2654 psig Avg Treat rate/Max Treat rate - 80/82 BPM Total Prop - 103,358 lbs.
Stage 5 = 5736 feet to 5922 feet (80 holes)	Frac Stage 5 Pump as follows: start on 500 gals of 30# lin gel (Water frac G) formation broke at 1062 psig 1500 gals of 15% HCl acid, 14,582 gals of Delta frac 140-R gel, 54,152 gals of 20# Delta Frac 140R carrying 76,020,# of Premium White 16/30 sand at .5/1.0/2.0/3.0/4.0 ppg concentrations tailed with 9403 gals of 20# Delta Frac 140-R gel carrying 41,529# of CRC 16/30 sand at 5.0 ppg. Flushed to bottom perf. ISIP - 477 5/10/15 min SIPs - 314/289/277 psig. Total load to recover this stage - 79,730gals (1898 bbls) Avg Treat/ Max Treat psi - 2262/2611 psig Avg Treat rate/Max Treat rate - 80/80 BPM Total Prop - 117,749 lbs