

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. NMNM20965
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 3
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 17 T26S R30E SESE 510FSL 380FEL 32.036654 N Lat, 103.896163 W Lon		9. API Well No. 30-015-36870-00-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.)

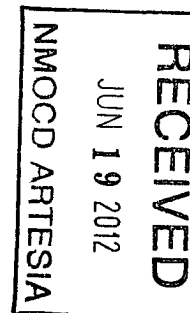
THIS IS AN AMENDED REPORT FOR THE ORIGINAL REPORT SUBMITTED ON 5-21-12

Work commenced on 1-25-2012. Drill Out DV tool at 4995 feet and cleaned out to 7350 feet.

Rigged up wire line unit and ran cement bond log. Logged from PBTD (7350 feet) to surface.  
Estimated top of cement at 3000 feet.

## FRAC DETAILS

Stage 1 = 6878 feet to 7010 feet (36 holes): Brk down w/ 500 gals linear gel at 2873 psig, 13,463 gal of 20# Water Frac G-R(11), 1500 gals of 15% HCl diverted w/ 72 bio-balls (ball out - surge off), 14,999 gals of 20# Delta Frac 140-R(11) gel pad, 42,081 gals of Delta Frac 140-R(11) XL gel

Accepted for record  
NMOCd ffiled 6/26/12

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #139033 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 06/13/2012 (12KMS2259SE)	
Name (Printed/Typed) CHARLES K AHN	Title HS&E/REGULATORY MANAGER
Signature (Electronic Submission)	Date 05/25/2012

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

Approved By <b>ACCEPTED</b>	JAMES A AMOS Title SUPERVISOR EPS	Date 06/16/2012
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 #139033 that would not fit on the form

### 32. Additional remarks, continued

w/ 69,085# of 16/30 Premium White sand at .5/1.0/2.0/3.0 ppg conc tailed w/ 9620 gals of Delta Frac 140-R(11) XL gel w/ 34,530 16/30 CRC sand flushed to bottom perf. ISIP - 410 5/10/15 min - 314/302/295 psig Avg rate/Avg Pres - 64.9 BPM/1659 psig. Load to Recover this stage - 81,671 gals (1945 bbls) Ending FG - .50 psi/ft Max rate/Max Psi - 71.5/2151 Prop placed this stage: 104,074 lbs.

Stage 2 = 6584 feet to 6758 feet (60 holes): Breakdown formation (369 psig) w/ 500gals of 20# Delta Frac G-R(11) linear gel and 14,564 gallons of 20# Water Frac G-R(11), 1500 gals of 15% HCl diverted w/ 120 bio-balls (ball out - surge off), 15,064 gals of 20# Delta Frac 140-R(11) gel pad, 42,037 gals of Delta Frac 140-R(11) XL gel w/ 68,590# of 16/30 Premium White sand at .5/1.0/2.0/3.0 ppg conc tailed w/ 10,391 gals of Delta Frac 140-R(11) XL gel w/ 37,215 16/30 CRC sand flushed to bottom perf. ISIP - 447 5/10/15 min - 328/305/294 psig Avg rate/Avg Pres - 67.1 BPM/1651 psig. Load to Recover this stage - 83,179 gals (2219 bbls) Ending FG - .50 psi/ft Max rate/Max Psi - 71.3/1992 Prop placed this stage: 106,066 lbs.

stage 3 = 6260 feet to 6524 feet (60 holes): Breakdown formation (1841 psig) w/ 500 gals of 20# Delta Frac G-R(11) linear gel and 12,911 gallons of 20# Water Frac G-R(11), 1500 gals of 15% HCl diverted w/ 120 bio-balls (ball out - surge off), 14,964 gals of 20# Delta Frac 140-R(11) gel pad, 41,794 gals of Delta Frac 140-R(11) XL gel w/ 67,685# of 16/30 Premium White sand at .5/1.0/2.0/3.0 ppg conc tailed w/ 9444 gals of Delta Frac 140-R(11) XL gel w/ 34,710 16/30 CRC sand flushed to bottom perf. ISIP - 478 5/10/15 min - 399/377/362 psig Avg rate/Avg Pres - 79.4 BPM/2178 psig. Load to Recover this stage - 81,226 gals (1934 bbls) Ending FG - .50 psi/ft. Max rate/Max PSI - 88.6/2646. Prop placed at this stage: 102,715 lbs.

Stage 4 = 5836 feet to 6110 feet (60 holes): Breakdown formation (1841 psig) w/ 500gals of 20# Delta Frac G-R(11) linear gel and 12,911 gallons of 20# Water Frac G-R(11), 1500 gals of 15% HCl diverted w/ 120 bio-balls (ball out - surge off), 14,964 gals of 20# Delta Frac 140-R(11) gel pad, 41,794 gals of Delta Frac 140-R(11) XL gel w/ 67,685# of 16/30 Premium White sand at .5/1.0/2.0/3.0 ppg conc tailed w/ 9444 gals of Delta Frac 140-R(11) XL gel w/ 34,710 16/30 CRC sand flushed to bottom perf. ISIP - 478 5/10/15 min - 399/377/362 psig Avg rate/Avg Pres - 79.4 BPM/2178 psig. Load to Recover this stage - 81,226 gals (1932 bbls) Ending FG - .50 psi/ft Max rate/Max Psi - 88.6/2646 Prop placed this stage: 102,715 lbs.

Stage 5 = 5452 feet to 5746 feet (68 holes): Breakdown formation (697 psig) w/ 500gals of 20# Delta Frac G-R(11) linear gel and 14,930 gallons of 20# Water Frac G-R(11), 1500 gals of 15% HCl diverted w/ 136 bio-balls (ball out - surge off), 14,930 gals of 20# Delta Frac 140-R(11) gel pad, 41,867 gals of Delta Frac 140-R(11) XL gel w/ 66,403# of 16/30 Premium White sand at .5/1.0/2.0/3.0 ppg conc tailed w/ 9629 gals of Delta Frac 140-R(11) XL gel w/ 30,026 16/30 CRC sand flushed to bottom perf. ISIP - 399 5/10/15 min - 338/317/306 psig Avg rate/Avg Pres - 77.8 BPM/2274 psig. Load to Recover this stage - 79,818 gals (1900 bbls) Ending FG - .50 psi/ft. Max rate/Max Psi - 88.6/2646 Prop placed this stage: 96,429 lbs.

Installed ESP pump and produced well.