

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 FED 17 5
4. Location of Well (Footage, Sec., T, R, M., or Survey Description) Sec 17 T26S R30E NWNE Lot B 330FNL 2310FEL		9. API Well No. 30-015-37780-00-X1
		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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input checked="" type="checkbox"/> Other
	Drilling Operations
	<input type="checkbox"/> Change Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Convert to Injection
	<input type="checkbox"/> Plug Back

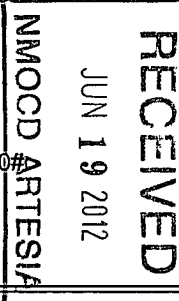
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths 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 5-23-12

WORK COMMENCED ON 3-26-2011. DRILL OUT DV TOOL AT 5024 FEET. CONTINUE IN HOLE AND CLEAN OUT TO 7210 FEET (PBDT). RIGGED UP WIRE LINE UP AND RAN CEMENT BOND LOG. ESTIMATED TOC AT 2440 FEET.

## FRAC DATA

Stage 1 = 6928 feet to 7132 feet (75 holes): START ON 20# LINEAR GEL PAD (44 BBLS), 4000 GALS 15% HCl ACID DIV W/ 125 BIO BALLS - FAIR DIVERSION (DID NOT BALL OUT), SHUT DOWN AND ALLOW BALLS TO FALL. CONTINUE PUMPING 483 BBLS OF 20# TURQUOISE 1 GEL, 1355 BBLS OF 20# TURQUOISE 1 GEL W/ 68,000# OF TEXAS GOLD 16/30 SAND IN .5/1.0/1.5/2.0/3.0 PPG CONCENTRATIONS, 210 BBLS OF 20# TURQUOISE 2 W/ 21,000# 16/30 SUPER LC CRC SAND, FLUSHED W/ 172 BBLS.



14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #139072 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 (12KMS2270SE)	
Name (Printed/Typed) CHARLES K AHN	Title HS&E/REGULATORY MANAGER
Signature (Electronic Submission)	Date 05/29/2012

**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 #139072 that would not fit on the form**

**32. Additional remarks, continued**

Stage 2 = 6718 feet to 6822 feet (95 holes): START ON 20# LINEAR GEL PAD (57 BBLS), 4000 GALS 15% HCl ACID DIV W/ 150 BIO BALLS - FAIR DIVERSION (DID NOT BALL OUT), SHUT DOWN AND ALLOW BALLS TO FALL. CONTINUE PUMPING 520 BBLS OF 20# TURQUOISE 1 GEL, 1097 BBLS OF 20# TURQUOISE 1 GEL W/ 45,680# OF TEXAS GOLD 16/30 SAND IN .5/1.0/1.5/2.0/3.0 PPG CONCENTRATIONS, 210 BBLS OF 20# TURQUOISE2 W/ 16,500# 16/30 SUPER LC CRC SAND, FLUSHED W/ 170 BBLS.

stage 3 = 6594 feet to 6674 feet (74 holes): START ON 20# LINEAR GEL PAD (17 BBLS), 4000 GALS 15% HCl ACID DIV W/ 150 BIO BALLS - FAIR DIVERSION (DID NOT BALL OUT), CONTINUE PUMPING 474 BBLS OF 20# TURQUOISE 1 GEL, 1877 BBLS OF 20# TURQUOISE 1 GEL W/ 76,320# OF TEXAS GOLD 16/30 SAND IN .5/1.0/1.5/2.0/3.0 PPG CONCENTRATIONS, 332 BBLS OF 20# TURQUOISE2 W/ 26,720# 16/30 SUPER LC CRC SAND, FLUSHED W/ 157 BBLS.

Stage 4 = 6387 feet to 6451 feet (64 holes): START ON 20# LINEAR GEL PAD (17 BBLS), 4000 GALS 15% HCl ACID DIV W/ 150 BIO BALLS - FAIR DIVERSION (DID NOT BALL OUT), CONTINUE PUMPING 492 BBLS OF 20# TURQUOISE 1 GEL PAD, 1380 BBLS OF 20# TURQUOISE 1 GEL W/ 82,000# OF TEXAS GOLD 16/30 SAND IN .5/1.0/1.5/2.0/3.0 PPG CONCENTRATIONS, 236 BBLS OF 20# TURQUOISE2 W/ 26,491# 16/30 SUPER LC CRC SAND, FLUSHED W/ 148 BBLS

Stage 5 = 6280 feet to 6310 feet (60 holes): BLENDER BLEW MAIN PUMP. SWITCHED TO FLUSH - FLUSHED W/ 65 BBLS OF 20# TURQUOISE1 GEL - PUMPS LOST PRIME. SHUT DOWN AND INSPECTED EQUIPMENT. FRAC TECH REMOVED BLENDER AND CHANGED OUT W/ REPLACEMENT FROM ARTESIA YARD (5.5 HRS). STARTED BLENDER AND ATTEMPTED TO PUMP IN TO FORMATION WITHOUT SUCCESS. WOO. ORDERS TO CONTINUE W/ NEXT STAGE.

Stage 6 = 5865 feet to 5977 feet (66 holes): START ON 20# LINEAR GEL PAD 59 BBLS), 4000 GALS 15% HCl ACID DIV W/ 100 BIO BALLS - FAIR DIVERSION (DID NOT BALL OUT), SHUT DOWN AND ALLOW BALLS TO FALL. CONTINUE PUMPING 216 BBLS OF 20# LINEAR GEL, 2545 BBLS OF 20# TURQUOISE 1 GEL W/ 103,080# OF TEXAS GOLD 16/30 SAND IN .5/1.0/1.5/2.0/3.0 PPG CONCENTRATIONS, 450 BBLS OF 20# TURQUOISE2 W/ 50,512# 16/30 SUPER LC CRC SAND 4 ppg concentration, FLUSHED W/ 139 BBLS 20# LINEAR GEL INCLUDING 26 BBLS OF SPOT ACID.

Stage 7 = 5674 feet to 5740 feet (44 holes): START ON 20# LIN GEL PAD 23 BBLS BRK AT 708 PSIG, 4000 GALS 15% HCl ACID DIV W/ 80 BIO BALLS - FAIR DIV (DID NOT BALL OUT), SHUT DOWN AND ALLOW BALLS TO FALL. CONTINUE PUMPING 152 BBLS OF 20# LINEAR GEL, 938 BBLS OF 20# TURQUOISE 1 GEL W/ 40,812# OF TEXAS GOLD 16/30 SAND IN .5/1.0/1.5/2.0/3.0 PPG CONCENTRATIONS, 120 BBLS OF 20# TURQUOISE2 W/ 13,470# 16/30 SUPER LC CRC SAND 4 ppg concentration, FLUSHED W/ 134 BBLS 20# LINEAR GEL INCLUDING 26 BBLS OF SPOT ACID.

Stage 8 = 5460 feet to 5631 feet (37 holes): START ON 20# LINEAR GEL PAD 11 BBLS), 2730 GALS 15% HCl ACID DIV W/ 75 BIO BALLS - FAIR DIVERSION (DID NOT BALL OUT), SHUT DOWN AND ALLOW BALLS TO FALL. CONTINUE PUMPING 132 BBLS OF 20# LINEAR GEL, 3061 BBLS OF 20# TURQUOISE 1 GEL W/ 108,448# OF TEXAS GOLD 16/30 SAND IN .5/1.0/1.5/2.0/3.0 PPG CONCENTRATIONS, 558 BBLS OF 20# TURQUOISE2 W/ 82,587# 16/30 SUPER LC CRC SAND 4 ppg concentration, FLUSHED W/ 132 BBLS 20# LINEAR GEL.

TIED INTO ESP AND PRODUCED WELL