

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.

5. Lease Serial No.
NMNM102917

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

8. Well Name and No.
RDX FEDERAL 21 43

9. API Well No.
30-015-40997-00-X1

10. Field and Pool, or Exploratory
BRUSHY DRAW

11. County or Parish, and State
EDDY COUNTY, NM

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
RKI EXPLORATION & PROD LLC
Contact: ROBYN L LAMPLEY
E-Mail: rlampley@rkixp.com

3a. Address
210 PARK AVE SUITE 900
OKLAHOMA CITY, OK 73102

3b. Phone No. (include area code)
Ph: 405-996-5775
Fx: 405-996-5772

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 21 T26S R30E SWSE 715FSL 2135FEL

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 Drilling Operations
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

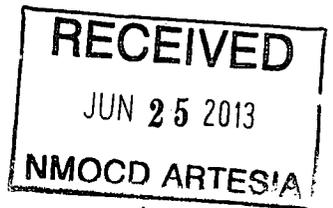
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths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

Started completion activities on 4/12/2013. Drilled out DV tool at 5515 feet. Continue in hole and tag PBTD at 7374 feet.

Test casing to 6150 psi. Ran Radial Bond/GR/CCL from 7348' to Surface. Estimated TOC at 2586 feet.

Fracturing Data:

Perf STG 1 from 6964 feet to 7191 feet (44 holes) Test lines to 7500#. Pump STG 1, 162 Zone as follows, pumped 6373 gals of slick water, bull head 1500 gal of 15% HCL acid, (BRK press 4980) 39150 gal of Delta Frac 140- 20# w/ 80573 lb Premium White 16/30 prop in 0.5/1/2/3/4 ppg tailed with 9228 gal of DF 140- 20# w/ 31990 lb of CRC 16/30 prop at 5 ppg. Flushed to bottom perf W/ 6915 gal 20# Water frac G, ISIP 516, 5/10/15 min sip ? 463/444/436, F.G. .51, Avg rate 76.7 bpm, Max



JL Wade 6/26/13
Accepted for record
NMOCD

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

**Electronic Submission #210166 verified by the BLM Well Information System
For RKI EXPLORATION & PROD LLC, sent to the Carlsbad
Committed to AFMS for processing by KURT SIMMONS on 06/11/2013 (13KMS6402SE)**

Name (Printed/Typed) ROBYN L LAMPLEY	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 06/10/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED	JAMES A AMOS Title SUPERVISOR EPS	Date 06/23/2013
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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 #210166 that would not fit on the form

32. Additional remarks, continued

rate 86.1 bpm, MTP 4336, ATP 3138, 60 bio balls, 4945 psi ball out. Total prop 112563, TLR 79528 gal.

Perf STG 2 from 6624 feet to 6720 feet (36 holes) Test lines to 7500#. Pump STG 2, Castle as follows, pumped 11010 gals of slick water, bull head 1500 gal of 15% HCL acid, (BRK press 4691) 39236 gal of Delta Frac 140 #20 w/ 77643 lb Premium White 16/30 prop in 0.5/1/2/3/4 ppg tailed with 9185 gal of Delta Frac 140 #20 w/ 33123 lb of CRC 16/30 prop at 5 ppg. Flushed to bottom perf W/ 6645 gal of 20# Water frac G, ISIP 526, 5/10/15 min sip ? 492/465/450, F.G. .51, Avg rate 79.9 bpm, Max rate 84 bpm, MTP 3243, ATP 2216, 50 bio balls, no ball action. Total prop 110766, TLR 82831 gal.

Perf STG 3 from 6406 feet to 6586 feet (52 holes) Test lines to 7500#. Pump STG 3, Tide/MWJ as follows, pumped 8167 gals of slick water, bull head 1500 gal of 15% HCL acid, (BRK press 2942) 39159 gal of Delta Frac 140 20# w/ 78368 lb Premium White 16/30 prop in 0.5/1/2/3/4 ppg tailed with 9238 gal of Delta Frac 140 20# w/ 32592 lb of CRC 16/30 prop at 5 ppg. Flushed to bottom perf W/ 6443 gal of 20# water frac G, ISIP 614, 5/10/15 min sip ? 484,459,440, F.G. .52, Avg rate 79.9 bpm, Max rate 85.9 bpm, MTP 4064, ATP 2469, 80 bio balls, 5124 psi ball out. Total prop 110999, TLR 79530 gal.

Perf STG 4 from 6134 feet to 6332 feet (56 holes) Test lines to 7500#. Pump STG 4, Costello/Kingrea/Tide as follows, pumped 8094 gals of slick water, bull head 1500 gal of 15% HCL acid, (BRK press 3378) 39560 gal of Delta Frac 140 20# w/ 80097 lb Premium White 16/30 prop in 0.5/1/2/3/4 ppg tailed with 9354 gal of DF 140 20# w/ 33742 lb of CRC 16/30 prop at 5 ppg. Flushed to bottom perf W/ 6182 gal of 20# Water Frac G, ISIP 508, 5/10/15 min sip ? 399/374/361, F.G. .51, Avg rate 79.9 bpm, Max rate 86.3 bpm, MTP 4071, ATP 2404, 80 bioballs 3984 psi ball out. Total prop 113840, TLR 80372 gal.

Perf STG 5 from 5906 feet to 6086 feet (40 holes) Test lines to 7500#. Pump STG 5, Getty/Cougar as follows, pumped 10040 gals of slick water, bull head 1500 gal of 15% HCL acid, (BRK press 2905) 39054 gal of Delta Frac 140 20# w/ 84560 lb Premium White 16/30 prop in 0.5/1/2/3/4 ppg tailed with 9396 gal of Delta Frac 140 20# w/ 35305 lb of CRC 16/30 prop at 5 ppg. Flushed to bottom perf W/ 5950 gal of Water frac G, ISIP 466, 5/10/15 min sip ? 386/369/359, F.G. .53, Avg rate 79.8 bpm, Max rate 83.1 bpm, MTP 3013, ATP 2317, 60 bio balls, 2898 psi ball out. , Total prop 120411, TLR 81625 gal.

Perf STG 6 from 5666 feet to 5868 feet (40 holes) Test lines to 7500#. Pump STG 6, Getty/Topper as follows, pumped 13490 gals of slick water, bull head 1500 gal of 15% HCL acid, (BRK press 1506) 39087 gal of Delta Frac 140 20# w/ 81184 lb Premium White 16/30 prop in 0.5/1/2/3/4 ppg tailed with 11425 gal of Delta Frac 140 20# w/ 45350 lb of CRC 16/30 prop at 5 ppg. Flushed to bottom perf W/ 5680, ISIP 507, 5/10/15 min sip ? 407/385/374, F.G. .51, Avg rate 80.4 bpm, Max rate 84.9 bpm, MTP 3114, ATP 2272, 60 bio balls, 5037 psi ball out. , Total prop 126606, TLR 80640 gal.

TLR= 475,523 gallons, Total Prop= 69,5220 lbs.

Tied into ESP and produced well.