

Submit within 45 days of well completion	State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505	Revised February 15, 2012				
		1. WELL API NO: 30-015-39941				
		2. Well Name: RDX FEDERAL 21 #034				
		3. Well Number: 034				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amended		4. Surface Hole Location: Unit:I Lot:I Section:21 Township:26S Range:30E Feet from:2310 N/S Line:S Feet from:990 E/W Line:E				
		5. Bottom Hole Location: Unit:I Lot:I Section:21 Township:26S Range:30E Feet from:2310 N/S Line:S Feet from:990 E/W Line:E				
		6. latitude: longitude: 0 0				
		7. County: Eddy				
8. Operator Name and Address: RKI EXPLORATION & PRODUCTION, LLC 3817 NW EXPRESSWAY SUITE 950 OKLAHOMA CITY 73112		9. OGRID: 246289		10. Phone Number: 405-949-2221		
11. Last Fracture Date: 4/17/2012 Frac Performed by: Halliburton		12. Production Type: O				
13. Pool Code(s): 8090		14. Gross Fractured Interval: 5,582 ft to 7,116 ft				
15. True Vertical Depth (TVD): 7,419 ft		16. Total Volume of Fluid Pumped: 550,182 bbls				
17. HYDRAULIC FLUID COMPOSITION AND CONCENTRATION:						
Trade Name	Supplier	Purpose	Ingredients	(CAS #) Chemical Abstract Service #	Maximum Ingredient Concentration in Additive (% by mass)	Maximum Ingredient Concentration in HF Fluid (% by mass)
Fresh Water	Operator	Base Fluid	Water		100%	34.7602%
Hydrochloric Acid	Halliburton	Solvent	Acid	7647-01-0	30%	0.61162%
Premium White-16/30	Halliburton		Sand		100%	45.54852%
CRC-16/30	Halliburton		Sand		100%	18.87502%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00139%
CLA-WEB	Halliburton	Additive	Ammonium Salt	Confidential	50%	0.01424%
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.00823%
LoSurf-300D	Halliburton	non-ionic surfactant	1,2,4 Trimethylbenzene	95-63-6	1%	0.00029%
			ethanol	64-17-5	60%	0.01762%
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.00881%
			Naphthalene	91-20-3	5%	0.00147%
			Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	0.00147%
SUPERSET W	Halliburton	Activator	methanol	67-56-1	60%	0.01754%
			Ethoxylated nonylphenol	confidential business information	60%	0.01754%
HpH BREAKER	Halliburton	breaker	sodium chloride	7647-14-5	30%	0.0001%
Scalechek® SCP-2 Scale Inhibitor	Halliburton	scale preventor	Glassy calcium magnesium phosphate	65997-17-3	100%	0.0091%
OPTIFLO-HTE	Halliburton	breaker	Crystalline silica, quartz	14808-60-7	30%	0.0008%
			Walnut hulls	mixture	100%	0.00265%
WG-36 GELLING AGENT	Halliburton	gelling agent	guar gum	9000-30-0	100%	0.0641%
18. I, as Operator, hereby certify that the information shown on this disclosure form is true and complete to the best of my knowledge and belief.						
Signature: <u>Signed Electronically</u>		Printed Name: <u>Charles Ahn</u>		HS&E/Regulatory Title: <u>Manager</u>		
Date: <u>4/18/2012</u>						
E-mail Address: <u>cahn@rkixp.com</u>						

NMOCD does not require the reporting of information beyond MSDS data as described in 29 CFR 1910.1200. NMOCD does not require the reporting or disclosure of proprietary, trade secret or confidential business information.