

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: 30-015-39816				
		2. Well Name: RDX 21 FEDERAL #023				
		3. Well Number: 023				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amended		4. Surface Hole Location: Unit:G Lot:G Section:21 Township:26S Range:30E Feet from:1980 N/S Line:N Feet from:2310 E/W Line:E				
		5. Bottom Hole Location: Unit:G Lot:G Section:21 Township:26S Range:30E Feet from:1980 N/S Line:N Feet from:2310 E/W Line:E				
		6. latitude: longitude: 32.0298333690213 - 103.885223430587				
		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: 3/16/2012 Frac Performed by: Halliburton		12. Production Type: O				
13. Pool Code(s): 8090		14. Gross Fractured Interval: 5,650 ft to 7,035 ft				
15. True Vertical Depth (TVD): 7,387 ft		16. Total Volume of Fluid Pumped: 12,299 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				100%	82.71937%
HCL Acid	Halliburton				100%	1.54842%
Premium White - 16/30	Halliburton				100%	10.56669%
CRC 16/30	Halliburton				100%	4.56808%
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.02125%
			Monoethanolamine borate	26038-87-9	100%	0.07082%
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.0114%
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.04925%
			Ethoxylated Nonylphenol	Confidential Business Information	60%	0.04925%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00399%
LoSurf-300D	Halliburton	Surfactant	Ethanol	64-17-5	60%	0.0517%
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.02585%
			Naphthalene	91-20-3	5%	0.00431%
			Poly(oxy-1,2-ethanediyl),alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	0.00431%
			1,2,4 Trimethylbenzene	95-63-6	1%	0.00086%
Clayfix 3W	Halliburton	Clay Control	Ethylene glycol	107-21-1	10%	0.00823%
			Sodium chloride	7647-14-5	30%	0.02469%
BA-20 BUFFERING AGENT	Halliburton	Buffer	Acetic acid	64-19-7	30%	0%
			ammonium acetate	631-61-8	100%	0%
MO-67	Halliburton	Buffer	Sodium hydroxide	1310-73-2	30%	0%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.17109%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.00121%
			walnut hulls	mixture	100%	0.00403%
Scalechek® SCP -2 Scale Inhibitor	Halliburton	Clay Control	Glassy calcium magnesium phosphate	65997-17-3	100%	0.02304%
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: Signed Electronically		Printed Name: Charles Ahn		HS&E/Regulatory Title: Manager		
Date: 5/14/2012						
E-mail Address: cahn@rkixp.com						

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.