

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. 30-015-39942				
		2. Well Name: RDX FEDERAL 17 #013				
		3. Well Number: 013				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:K Lot:K Section:17 Township:26S Range:30E Feet from:2310 N/S Line:S Feet from:1650 E/W Line:W				
		5. Bottom Hole Location: Unit:K Lot:K Section:17 Township:26S Range:30E Feet from:2310 N/S Line:S Feet from:1650 E/W Line:W				
		6. latitude: longitude: 32.0415741731342 - 103.906698089559				
		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: 9/17/2012 Frac Performed by: Halliburton				12. Production Type: O		
13. Pool Code(s): 8090				14. Gross Fractured Interval: Confidential		
15. True Vertical Depth (TVD): 7,410 ft				16. Total Volume of Fluid Pumped: 10,604 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%	84.43842%
HYDROCHLORIC ACID 10-30%	Halliburton	Solvent	Hydrochloric acid	7647-01-0	30%	1.42758%
SAND - PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	9.63438%
CRC SAND	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	3.9946%
			Hexamethylenetetramine	100-97-0	2%	0.07989%
			Phenol / formaldehyde resin	9003-35-4	5%	0.19973%
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.02088%
			Monoethanolamine borate	26038-87-9	100%	0.06961%
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0.00031%
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.02725%
			Ethoxylated nonylphenol	Confidential Business Information	60%	0.02725%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00431%
FDP-S1007-11	Halliburton	Surfactant	Citrus, extract	94266-47-4	10%	0.00876%
			Isopropanol	67-63-0	30%	0.02628%
CLA-WEB™	Halliburton	Additive	Ammonium salt	Confidential Business Information	50%	0.03086%
LCA-1	Halliburton	Solvent	Paraffinic solvent	Confidential Business Information	100%	0.00623%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.00137%
			Walnut hulls	Mixture	100%	0.00455%
Scalechek® SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.0239%
WG-35 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.16188%
Ingredients Listed Below This Line Are Part of the			1,2-Benzisothiazolin-3-one	2634-33-5	0%	0%
			2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulfor-1-naphthalenyl)azo] -, trisodium salt	915-67-3	0%	0%
			Amine Salts	Confidential Business Information	0%	0%
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			C.I. Pigment Red 5	6410-41-9	0%	0%
			Calcium chloride	10043-52-4	0%	0%
			Crystalline silica, quartz	14808-60-7	0%	0%
			Cured Acrylic Resin	Confidential Business Information	0%	0%
			Cured Acrylic Resin	Confidential Business Information	0%	0%
			Enzyme	Confidential Business Information	0%	0%
			Enzyme	Confidential Business Information	0%	0%
			Ethoxylated Nonylphenol	Confidential Business Information	0%	0%
			Modified Bentonite	Confidential Business Information	0%	0%
			Quaternary Amine	Confidential Business Information	0%	0%
			Quaternary Amine	Confidential Business Information	0%	0%
			Quaternary Amine	Confidential Business Information	0%	0%
			Silica, amorphous - fumed	7631-86-9	0%	0%
Sodium Chloride	7647-14-5	0%	0%			
Water	7732-18-5	0%	0%			
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: 10/31/2012						
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.