

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: 30-015-40849				
		2. Well Name: RDX FEDERAL 21 #001H				
		3. Well Number: 001H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:N Lot:N Section:21 Township:26S Range:30E Feet from:330 N/S Line:S Feet from:1500 E/W Line:W				
		5. Bottom Hole Location: Unit:N Lot:N Section:21 Township:26S Range:30E Feet from:330 N/S Line:S Feet from:1500 E/W Line:W				
		6. latitude: longitude: 32.0215626325273 - 103.889996832648				
		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: 3/15/2013 Frac Performed by: Elite Well			12. Production Type: O			
13. Pool Code(s): 97863			14. Gross Fractured Interval: Confidential			
15. True Vertical Depth (TVD): 7,697 ft			16. Total Volume of Fluid Pumped: 84,252 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)
Water		Carrier Base Fluid		7732-18-5	100%	88.20862%
Sand (Proppant)		Proppant	Silicon Dioxide	14808-60-7	100%	8.27515%
RCS (Proppant)		Proppant	Silicon Dioxide	14808-60-7	100%	1.4007%
Claymax	Chemplex, LC	Clay Stabalizer	Choline Chloride	67-48-1	62%	0.06407%
Ferriplex 66	Chemplex, LC	Iron Control	Water	7732-18-5	38%	0.03927%
			Acetic Acid	64-19-7	50%	0.00172%
			Citric Acid	77-92-9	30%	0.00103%
Plexbor 101	Chemplex, LC	Crosslinker	Water	7732-18-5	35%	0.00121%
			Ethylene Glycol	107-21-1	9.99%	0.00815%
			Potssium Metaborate	13709-94-9	30%	0.0245%
Plexbreak 150	Chemplex, LC	Non-Emulsifier	Potassium Hydroxide	1310-58-3	5%	0.00408%
			Water	7732-18-5	75%	0.06125%
			Cocamide Diethanolamine Salt	68603-42-9	30%	0.013%
			Diethanolamine	111-42-2	20%	0.00866%
Plexcide 24B	Chemplex, LC	Biocide	Methyl Alcohol	67-56-1	50%	0.02166%
			Trade Secret	Trade Secret	5%	0.00217%
			Tetrahydro-3, 5-Dimethyl-2H-1,3,5-thiadiazine-2-thione.	533-73-2	24%	0.00657%
			Sodium Hydroxide	1310-73-2	12%	0.00328%
Plexgel Breaker 10L	Chemplex, LC	Gel Breaker	Water	7732-18-5	72%	0.01971%
			Mannanase Enzymes	Trade Secret	2%	0.00066%
			Sodium Chloride	7647-14-5	15%	0.00498%
			Water	7732-18-5	90%	0.0299%
Plexhib 256	Chemplex, LC	Corrosion Inhibitor	Methyl Alcohol	67-56-1	70%	0.00072%
			Propargyl Alcohol	107-19-7	8%	8E-05%
			thiourea-formaldehyde copolymer	68527-49-1	30%	0.00031%
			Alcohol Ethoxylate surfactants	Trade Secret	30%	0.00031%
			n-olefins	Trade Secret	10%	0.0001%
			Secondary Alcohol Ethoxylate	84133-50-6	50%	0.014%
Plexset 730	Chemplex, LC	Activator	Methyl Alcohol	67-56-1	50%	0.014%
			Methyl Alcohol	67-56-1	20%	0.00874%
Plexsurf 240 E	Chemplex, LC	Surfactant	Alcohol Ethoxylate surfactants	Trade Secret	20%	0.00874%
			Water	7732-18-5	80%	0.03494%
15% Hydrochloric Acid	CNR	Acid	36% Hydrochloric Acid	7647-01-0	38%	0.0275%
			Water	7732-18-5	62%	0.04487%
Plexgel 907 LE	PFP Technology	Polymer	Guar Gum	9000-30-0	50%	0.33318%
			Mineral Oil	64742-47-8	55%	0.36649%
			Bentonite Clay	14808-60-7	2%	0.01333%
			Surfactant	68439-51-0	2%	0.01333%
Buffer 11	Chemplex, LC	Ph Control	Potassium Hydroxide	1310-58-3	23%	0.20309%
			Water	7732-18-5	77%	0.67991%
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: Jody Noerdlinger		Title: Regulatory Analyst		
Date: 3/25/2013						
E-mail Address: jnoerdlinger@rkxp.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.						