

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 November 6, 2013		
		1. WELL API NO: 30-015-40640				
		2. Well Name: RDX 17 FEDERAL COM #010H				
		3. Well Number: 010H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit: A Lot: A Section: 17 Township: 26S Range: 30E Feet from: 275 N/S Line: N Feet from: 430 E/W Line: E				
		5. Bottom Hole Location: Unit: A Lot: A Section: 17 Township: 26S Range: 30E Feet from: 275 N/S Line: N Feet from: 430 E/W Line: E				
		6. Latitude: 32.0491026153441 Longitude: 103.896299204067				
		7. County: Eddy				
8. Operator Name and Address: RKI EXPLORATION & PRODUCTION, LLC 210 PARK AVENUE SUITE 900 OKLAHOMA CITY 73102		9. OGRID: 246289	10. Phone Number: 405-996-5774			
11. Last Fracture Date: 2/4/2013 Frac Performed by: RKI EXPORATION AND PRODUCTION		12. Production Type: O				
13. Pool Code(s): 97863		14. Gross Fractured Interval: Confidential				
15. True Vertical Depth (TVD): 12,081 ft		16. Total Volume of Fluid Pumped: 3,475,718 gals				
17. Total Volume of Re-Use Water Pumped: N/A		18. Percent of Re-Use Water in Fluid Pumped: Not Disclosed				
19. 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	7732-18-5	100%	89.54861%
15% HCL	WFT	Acid	Hydrochloric Acid	7647-01-1	0.15%	0.00094%
100 Mesh Sand	WFT	Proppant	Crystalline Silica in the form of Quartz	14808-60-7	1%	0.02074%
Ottawa Sand 40/70 (2.63 sg)	WFT	Proppant	Crystalline Silica in the form of Quartz	14808-60-7	1%	0.05952%
Super LC 20/40 (2.51 sg)	WFT	Proppant	Crystalline Silica (Quartz)	14808-60-7	0.73%	0.01021%
			Formaldehyde	50-00-0	0%	0%
			Hexamethylenetetramine	100-97-0	0.01%	0.00014%
			Hydrated Aluminum Silicate	1332-58-7	0.05%	0.0007%
			Iron Oxide (fume)	1309-37-1	0.15%	0.0021%
			Phenol	108-95-2	0%	0%
			Phenol-Formaldehyde Resin	9003-35-4	0.06%	0.00084%
WBK-133	WFT	Breaker	Ammonium Persulfate	7727-54-0	1%	1E-05%
WBK-134	WFT	Breaker	Ammonium Persulfate	7727-54-0	0.75%	3E-05%
Superset W	Santrol	Activator	Methanol	67-56-1	0.5%	0.00022%
			Poly(oxyethylene) nonylphenol ether	9016-45-9	0.5%	0.00022%
Bio-Clear 5000	WFT	Bactericide	2,2-dibromo-3-nitriopropionamide	10222-01-2	0.05%	1E-05%
WCS-631LC	WFT	Clay Control	Polyethylene Glycol	25322-68-3	0.5%	0.00013%
			No ingredients as hazardous according to OSHA 29 CFR 1910.1200		0%	0%
WXL-100L	WFT	Crosslink Control	Ethylene Glycol	107-21-1	0.4%	0.00019%
WGA-15L	WFT	Gelling Agents	Petroleum Distillates	64742-47-8	0.6%	0.00339%
WAI-251LC	WFT	Inhibitor	1-Decanol	112-30-1	0.05%	0%
			1-Octanol	111-87-5	0.05%	0%
			2-Butoxyethanol	111-76-2	0.1%	0%
			Ethoxylated Nonylphenol	68412-54-4	0.05%	0%
			Ethylene Glycol	111-76-2	0.4%	1E-05%
			Isopropyl Alcohol	67-63-0	0.05%	0%
			N,N-Dimethylformamide	68-12-2	0.2%	0%
			Tar bases, quinoline derivs, benzyl chloride-quaternized	72480-70-7	0.1%	0%
			Triethylphosphate	78-40-0	0.05%	0%
WSI-671L	WFT	Inhibitor	Ammonium Chloride	12125-02-9	0.2%	9E-05%
WPB-584L	WFT	ph Adjusting Agents	Potassium Carbonate	584-08-7	0.4%	9E-05%
			Potassium Hydroxide	1310-58-3	0.2%	5E-05%
WNE-363L	WFT	Surfactant	2-Ethylhexanol	104-76-7	0.07%	3E-05%
			DB-964	9003-11-6	0.3%	0.00015%
			Dodecylbenzenesulfonic acid, monoethanolamine salt	26836-07-7	0.15%	7E-05%
			Poly(oxy-1,2-ethanediyl), a-isotridecyl-w-hydroxy-	9043-30-5	0.05%	2E-05%
Ingredients Listed Below This Line Are Part of the			2-Butoxyethanol	111-76-2	0%	0%
			Acetaldehyde	75-07-0	0%	0%
			Alcohol Ethoxylate	Mixture	0%	0%
			Alcohols, C12-16, Ethoxylated	68551-12-2	0%	0%
			Amines, polyethylenepoly-, ethoxylated, phosphonomethylated	68966-36-9	0%	0%
			Arlacel 83	8007-43-0	0%	0%
			Choline Chloride	67-48-1	0%	0%
			Cinnamaldehyde	104-55-2	0%	0%
			Crystalline Silica in the form of Quartz	14808-60-7	0%	0%
			Deionized Water	7732-18-5	0%	0%
			Dioxane	123-91-1	0%	0%
			Ethanolamine Borate	68425-67-2	0%	0%
			Ethylene Oxide	75-21-8	0%	0%
			Guar gum	9000-30-0</		