

Submit within 45 days of well completion	<div>State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505</div>	Revised November 6, 2013				
<div>HYDRAULIC FRACTURING FLUID DISCLOSURE</div> <div><input checked="" type="checkbox"/> Original</div> <div><input type="checkbox"/> Amendment</div>		1. WELL API NO: 30-015-43294				
		2. Well Name: RDX FEDERAL COM 28 #009H				
		3. Well Number: 009H				
		4. Surface Hole Location: Unit:C Lot:C Section:28 Township:26S Range:30E Feet from:360 N/S Line:N Feet from:1345 E/W Line:W				
5. Bottom Hole Location: Unit:4 Lot:4 Section:33 Township:26S Range:30E Feet from:231 N/S Line:S Feet from:476 E/W Line:W						
6. latitude: 32.01108		longitude: -103.532574				
7. County: Eddy						
8. Operator Name and Address: RKI EXPLORATION & PRODUCTION, LLC 3500 One Williams Center Tulsa 74172		9. OGRID: 246289	10. Phone Number: 539-573-5278			
11. Last Fracture Date: 2/23/2016 Frac Performed by: Pumpco		12. Production Type: O				
13. Pool Code(s): 84330		14. Gross Fractured Interval: 11,311 ft to 17,537 ft				
15. True Vertical Depth (TVD): 10,709 ft		16. Total Volume of Fluid Pumped: 9,827,008 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)
Water	RKI	Carrier/Base Fluid	Water	7732-18-5	100%	88.7630468%
Sand	Titan Sand	Proppant	Crystalline Silica	14808-60-7	100%	8.200604%
Resin Coated Sand	US Silica	Proppant	Crystalline Silica	14808-60-7	98%	2.0509721%
			Phenol-formaldehyde polymer	9003-35-4	5%	0.1046414%
			Phenol	108-95-2	0.2%	0.0041857%
			Formaldehyde	50-00-0	0%	0.0002093%
15% HCL	Roywell	Acidizing	Hydrochloric Acid	7647-01-0	37%	0.2166342%
			Water	7732-18-5	63%	0.3688636%
Cl-360	Roywell Services	Acid Corrosion Inhibitor	Methyl Alcohol	67-56-1	45%	0.0007267%
			Ethylene Glycol	107-21-1	20%	0.000323%
			Isoquinoline	Proprietary	15%	0.0002422%
			Water	7732-18-5	10%	0.0001615%
			Dimethyl Formamide	68-12-2	10%	0.0001615%
			2-Butoxyethanol	111-76-2	5%	8.07E-05%
NEA-157	Roywell Services	Non-emulsifying Agent	Alkybenzene Sulfonic Acid	27176-87-0	10%	9.35E-05%
IRA-50	Roywell Services	Iron Reducing Agent	Hydrochloric Acid	7647-01-0	70%	0.0005261%
			Stannous Chloride Dihydrate	7772-99-8	65%	0.0004885%
HiRate 600W	Innospec Oilfield Services	Anionic Friction Reducer	Petroleum Distillates, Hydrotreated Light	64742-47-8	30%	0.0043512%
			Ammonium Chloride	12125-02-9	15%	0.0021742%
			Alcohols (C12-14), Ethoxylated	68439-50-9	1.3%	0.0001929%
			Alcohols (C12-16), Ethoxylated	68551-12-2	1.3%	0.0001929%
			Alcohols (C10-16), Ethoxylated	68002-97-1	1.3%	0.0001929%
ScaleCease 7001	Innospec Oilfield Services	Phosphonate Scale Inhibitor	Amino Phosphonate Sodium Salt	Proprietary	15%	0.0033941%
MicroBreak GQ 123	Innospec Oilfield Services	Biocide	n-Alkyl (80%C14, 40%C12, 10%C16) dimethyl benzyl ammonium chloride (32% active)	68424-85-1	1.3%	0.0002944%
			Didecyl dimethyl ammonium chloride (48% active)	7173-51-5	1.9%	0.0004303%
			Glutaraldehyde	111-30-8	13.1%	0.0029665%
			Ethanol	64-17-5	0.8%	0.0001698%
			Water	7732-18-5	83%	0.0187952%
ClayBrake 220	Innospec Oilfield Services	Clay Stabilizer	Choline Chloride	67-48-1	50%	0.0495085%
			Magnesium Chloride	7791-18-6	30%	0.0297051%
XLW U2	Innospec Oilfield Services	Fracturing Fluid Additive	Proprietary Salt	Proprietary	40%	0.0281005%
			Hydrated Aluminum-Magnesium Silicate (Palygorskite)	12174-11-7	10%	0.0070181%
			Potassium Formate	590-29-4	30%	0.0210754%
XLW B2	Innospec Oilfield Services	Fracturing Fluid Additive	Inorganic Borates	Proprietary	15%	0.0049894%
			Sodium Hydroxide	1310-73-2	10%	0.0033251%
GelTrol 225	Innospec Oilfield Services	High pH Buffer	Sodium Hydroxide	1310-73-2	30%	0.0082387%
LFC G4	Innospec Oilfield Services	Guar Slurry	Solvent naphtha, (petroleum) heavy aliphatic	64742-96-7	60%	0.0270048%
GelBrake 110	Innospec Oilfield Services	Gel Breaker	Sodium Persulfate	7775-27-1	100%	0.0001948%
GelBrake 200	Innospec Oilfield Services	Gel Degrading Agent	Diammonium Peroxodisulphate	7727-54-0	100%	0.0197271%
			Cured Acrylic Resin	Proprietary	16%	0.0031563%
			Talc	14807-96-6	5%	0.0009844%
			Silica, Crystalline-Quartz	14808-60-7	10%	0.0019707%
Other	Innospec Oilfield Services	Other	Water	7732-18-5	0%	0.1806573%
			Guar Gum	9000-30-0	0%	0.0207082%
			Glycerin	56-81-5	0%	0.0059912%
			Acrylamide P/W acrylic acid, ammonium salt	Proprietary	0%	0.003626%
			Surfactant Blend	Proprietary	0%	0.0014504%
			Sodium Hydroxide	1310-73-2	0%	0.0011291%
			Organophilic Clay	Proprietary	0%	0.0009002%
			Propylene Carbonate	108-32-7	0%	0.0001575%
			Alcohols, Ethoxylated	Proprietary	0%	8.1E-05%
			Ammonium Acrylate	10604-69-0	0%	7.25E-05%
			Acrylamide	79-06-1	0%	1.45E-05%
20. 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: Kathy Rondeau		Title: Engineering Technician				
Date: 2/14/2017						
E-mail Address: kathy.rondeau@wpxenergy.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.