

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: 30-015-41257
		2. Well Name: RDX FEDERAL 9 #006
		3. Well Number: 006
HYDRAULIC FRACTURING FLUID DISCLOSURE <input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment		4. Surface Hole Location: Unit:A Lot:A Section:9 Township:26S Range:30E Feet from:580 N/S Line:N Feet from:790 E/W Line:E
		5. Bottom Hole Location: Unit:A Lot:A Section:9 Township:26S Range:30E Feet from:580 N/S Line:N Feet from:790 E/W Line:E
		6. Latitude: 32.0629311 Longitude: -103.8802795
		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
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11. Last Fracture Date: 6/11/2015 Frac Performed by: RKI EXPLORATION & PRODUCTION	12. Production Type: O
13. Pool Code(s): 8090	14. Gross Fractured Interval: Confidential
15. True Vertical Depth (TVD): 7,414 ft	16. Total Volume of Fluid Pumped: 384,048 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	Customer	Carrier/Base Fluid	Water	7732-18-5	100%	85.25833%
Sand (Proppant)	US Silica	Proppant	Silica Substrate	14808-60-7	100%	10.0707%
RCS (Proppant)	Momentive	Proppant	Silica Substrate	14808-60-7	100%	1.62383%
Hydrochloric Acid (15%)	CNR	Acidizing	Hydrochloric Acid	7647-01-0	38.8%	0.85566%
Claymax	Chemplex	Clay Stabilizer	Choline Chloride	67-48-1	62%	0.03853%
4-N-1 Plus	Chemplex	Iron Control, Corr Inhib, Surfactant	Acetic Acid Methanol	64-19-7 67-56-1	80% 10%	0.01304% 0.00163%
Plexicide 24B	Chemplex	Biocide	Tetrahydro-3, Dimethyl-2H	533-74-4	24%	0%
Plexset 730	Chemplex	Activator	Secondary Alcohol Ethoxylate	84133-50-6	50%	0.01857%
MX 5-2350	Multi-Chem Group LLC	Wetting Agent	Methyl Alcohol Ethoxylated Alcohols Sulfonate	67-56-1 Proprietary Proprietary	85% 10% 5%	0.04359% 0.00513% 0.00256%
Plexslick 953	Chemplex	Friction Reducer	Alcohol Ethoxylate Surfactants Hydrotreated Petroleum Distillate Polyacrylamide-co-Acrylic Acid	64742-47-8 9003-06-9	8% 30% 32%	0% 0% 0%
Plexgel 907 LE	Chemplex	Polymer	Guar Gum Mineral Oil Bentonite Clay Surfactant	9000-30-0 64742-47-8 14808-60-7 68439-51-0	50% 55% 2% 2%	0.26802% 0.29482% 0.01072% 0.01072%
Plexbor 101	Chemplex	Crosslinker	Ethylene Glycol Potassium Metaborate Potassium Hydroxide	107-21-1 13709-94-9 1310-58-3	9.99% 30% 5%	0.00746% 0.02239% 0.00373%
Plexgel Breaker 10L	Chemplex	Gel Breaker	Mannanase Enzymes Sodium Chloride	Proprietary 7647-14-5	2% 15%	0.00062% 0.00467%
Sodium Persulfate	Chemplex	Gel Breaker	Sodium Persulfate	7775-27-1	98%	0.00782%
Buffer 11	Chemplex	Crosslink Aid	2,2'-Diaminodiethylamine	111-40-0	90%	0%
Plexicide 24L	Chemplex	Biocide	Tetrahydro-3, Dimethyl-2H	533-74-4	98%	0.00237%
Greenhib 679	Chemplex	Scale Inhibitor	Glycerine Proprietary Water	56-81-5 Proprietary 7732-18-5	35% 35% 30%	0.00795% 0.00795% 0.00682%
Plexbor 108	Chemplex, LC	Crosslinker	Hydrated Aluminum-magnesium Silicate Glutaraldehyde Crystalline silica	12174-11-7 111-30-8 14808-60-7	5% 1% 0.1%	0% 0% 0%
Plexgel Breaker HT	Chemplex, LC	Gel Breaker	Ammonium Persulfate vinylidene chloride-methyl acrylate copolymer	7727-54-0 25038-72-6	90% 20%	0% 0%

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: Heather Brehm Title: Regulatory analyst

Date: 7/2/2015

E-mail Address: hbrehm@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.