

<p>HYDRAULIC FRACTURING FLUID DISCLOSURE</p> <p><input checked="" type="checkbox"/> Original</p> <p><input type="checkbox"/> Amendment</p>	<p>1. WELL API NO. 30-015-41630</p> <p>2. Well Name: RDX FEDERAL 9 #005</p> <p>3. Well Number: 005</p> <p>4. Surface Hole Location: Unit:H Lot:H Section:9 Township:26S Range:30E Feet from:1650 N/S Line:N Feet from:990 E/W Line:E</p> <p>5. Bottom Hole Location: Unit:H Lot:H Section:9 Township:26S Range:30E Feet from:1650 N/S Line:N Feet from:990 E/W Line:E</p> <p>6. latitude: 32.0599889264796 longitude: -103.880935277424</p> <p>7. County: Eddy</p>
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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: 3/12/2015 Frac Performed by: RKI EXPLORATION & PRODUCTION	12. Production Type: O
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13. Pool Code(s): 8090	14. Gross Fractured Interval: Confidential
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15. True Vertical Depth (TVD): 7,289 ft	16. Total Volume of Fluid Pumped: 389,700 gals
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17. Total Volume of Re-Use Water Pumped: N/A	18. Percent of Re-Use Water in Fluid Pumped: Not Disclosed
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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				100%	86.7886%
HYDROCHLORIC ACID 30%	Halliburton		Hydrochloric acid	7647-01-0	30%	0.32531%
SAND - PREMIUM WHITE - 16/30	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	10.0405%
CRC SAND PREMIUM -16/30	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	1.60221%
			Hexamethylenetetramine	100-97-0	2%	0.03204%
			Phenol / formaldehyde resin	9003-35-4	5%	0.08011%
BE-9W	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00382%
CL-31 CROSSLINKER	Halliburton	Crosslinker	Potassium hydroxide	1310-58-3	5%	0.00264%
			Potassium metaborate	13709-94-9	60%	0.03164%
Cla-Web™	Halliburton	Additive	Ammonium salt	Confidential Business Information	60%	0.0408%
LoSurf-360W	Halliburton	Surfactant	Complex alkylamine	Confidential Business Information	5%	0.0001%
			Glycerine	56-81-5	10%	0.00021%
			Poly(oxy-1,2-ethanediyl), alpha -isodecyl- omega -hydroxy-	61827-42-7	30%	0.00062%
RockOn MX-5-3447	Multi-Chem	Surfactant	Methyl alcohol	67-56-1	30%	0.02303%
			Sulfonates	9230	30%	0.02303%
			Ethoxylated alcohols	9230	6%	0.00461%
HAI-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor	Methanol	67-56-1	60%	0.00214%
			Propargyl alcohol	107-19-7	10%	0.00036%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.18853%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.00529%
			Walnut hulls	Mixture	100%	0.01762%
GBW-30 BREAKER	Halliburton	Breaker	Hemicellulase enzyme	9012-54-8	30%	0.0053%
			Carbohydrates	Confidential Business Information	100%	0.01765%
Scalechek® SCP-2 Scale Inhibitor	Halliburton	Scale Preventer	Glassy calcium magnesium phosphate	65997-17-3	100%	0.01909%
Bioballs MR/HR	Halliburton	Ball Sealer	Polyacetic	9051-89-2	100%	0.00015%
Ingredients Listed Below This Line Are Part of the			Alcohols, C14-C15, ethoxylated	68951-67-7	0%	0%
			Alkane	Confidential Business Information	0%	0%
			Amine salts	Confidential Business Information	0%	0%
			Amine salts	Confidential Business Information	0%	0%
			Bentonite, benzy(hydrogenated tallow alkyl) dimethylammonium stearate complex	121888-68-4	0%	0%
			C.I. Pigment Red 5	6410-41-9	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%
			Ethylendiaminetetraacetic acid, tetrasodium salt	64-02-8	0%	0%
			Fatty acids, tall oil	Confidential Business Information	0%	0%
			Hydrogen peroxide	7722-84-1	0%	0%
			Nitrotriacetic acid, trisodium salt monohydrate	5084-31-3	0%	0%
			Olefins	Confidential Business Information	0%	0%
			Olefins	Confidential Business Information	0%	0%
			Olefins	Confidential Business Information	0%	0%
			Olefins	Confidential Business Information	0%	0%
			Propylene glycol	57-55-6	0%	0%
			Quaternary amine	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%
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	0%	0%
			Silica gel	112926-00-8	0%	0%
			Sodium bicarbonate	144-55-8	0%	0%
			Sodium chloride	7647-14-5	0%	0%
			Sodium glycolate	2836-32-0	0%	0%
			Sodium hydroxide	1310-73-2	0%	0%
			Surfactant mixture	Confidential Business Information	0%	0%
		Surfactant mixture	Confidential Business Information	0%	0%	
		Water	7732-18-5	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: <u>Signed Electronically</u>	Printed Name: <u>Heather Brehm</u>	Title: <u>Regulatory analyst</u>
Date: <u>4/6/2015</u>		
E-mail Address: <u>hbrehm@rkixp.com</u>		

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