

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. 30-015-39262				
		2. Well Name: RDU 22 FEDERAL #002H				
		3. Well Number: 002H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:B Lot:B Section:22 Township:26S Range:30E Feet from:330 N/S Line:N Feet from:2105 E/W Line:E				
		5. Bottom Hole Location: Unit:B Lot:B Section:22 Township:26S Range:30E Feet from:330 N/S Line:N Feet from:2105 E/W Line:E				
		6. latitude: longitude: 32.0344064984799 - 103.867393985183				
		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: 4/23/2012 Frac Performed by: Halliburton		12. Production Type: O				
13. Pool Code(s): 97863		14. Gross Fractured Interval: 8,441 ft to 12,011 ft				
15. True Vertical Depth (TVD): 7,843 ft		16. Total Volume of Fluid Pumped: 78,425 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)
Fresh Water	Operator				100%	4.07798%
HCl > 10%	Halliburton				100%	0.02916%
100 Mesh	Halliburton				100%	9.19255%
40/70 White	Halliburton				100%	26.15856%
40/70 CRC	Halliburton				100%	1.06536%
Super LC - 20/40	Halliburton				100%	59.4512%
BC-140 X2	Halliburton	Initiator	Ethylene glycol	107-21-1	30%	0.00053%
			Monoethanolamine borate	26038-87-9	100%	0.00177%
LoSurf-300D	Halliburton	Surfactant	1,2,4 Trimethylbenzene	95-63-6	1%	3E-05%
			Ethanol	64-17-5	60%	0.00168%
			Heavy aromatic petroleum naphtha	64742-94-5	30%	0.00084%
			Naphthalene	91-20-3	5%	0.00014%
			Poly(oxy-1,2-ethanediyl),alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5%	0.00014%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10%	0.00016%
Cla-Web™	Halliburton	Additive	Tetramethyl ammonium chloride	75-57-0	1%	4E-05%
			Proprietary	Confidential Business Information	30%	0.00129%
HpH BREAKER	Halliburton	Breaker	Sodium chloride	7647-14-5	30%	0%
MO-67	Halliburton	Buffer	Sodium hydroxide	1310-73-2	30%	0.00054%
SUPERSET W	Halliburton	Activator	Methanol	67-56-1	60%	0.00108%
			Ethoxylated Nonylphenol	Confidential Business Information	60%	0.00108%
D-AIR 3000	Halliburton	Defoamer	Alkenes		100%	0%
			Silica, amorphous precipitated	67762-90-7	30%	0%
SALT	Halliburton	Salt	Sodium chloride	7647-14-5	100%	0%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100%	0.01003%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	7E-05%
			Walnut hulls	Mixture	100%	0.00022%
SALT	Halliburton	Salt	Sodium chloride	7647-14-5	100%	0.00089%
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: Charles Ahn		HS&E/Regulatory Title: Manager		
Date: 5/23/2012						
E-mail Address: cahn@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.