

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: 30-015-37604				
		2. Well Name: LONGVIEW 31 FEDERAL #031				
		3. Well Number: 031				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:L Lot:3 Section:31 Township:22S Range:29E Feet from:1980 N/S Line:S Feet from:990 E/W Line:W				
		5. Bottom Hole Location: Unit:L Lot:3 Section:31 Township:22S Range:29E Feet from:1980 N/S Line:S Feet from:990 E/W Line:W				
		6. latitude: longitude: 32.3473810351264 - 104.028780542979				
		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: 9/25/2012 Frac Performed by: Halliburton				12. Production Type: O		
13. Pool Code(s): 15011				14. Gross Fractured Interval: Confidential		
15. True Vertical Depth (TVD): 13,108 ft				16. Total Volume of Fluid Pumped: 916 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)
3% KCL Water	Operator				100%	3.6268%
FE ACID - <10% HCL	Halliburton	Solvent	Hydrochloric acid	7647-01-0	10%	0.82615%
VERSAPROP	Halliburton	Proppant	Mullite	1302-76-7	100%	33.73001%
CL-37 CROSSLINKER	Halliburton	Crosslinker	Corundum	1302-44-56	100%	33.73001%
			Glycerine	56-81-5	30%	0.02318%
			Propanol	71-23-8	30%	0.02318%
			Triethanolamine zirconate	101033-44-7	100%	0.07728%
CL-40™ CROSSLINKER	Halliburton	Crosslinker	Triisopropanolamine	122-20-3	30%	0.00831%
VICON NF BREAKER	Halliburton	Breaker	Chlorous acid, sodium salt	7758-19-2	10%	0.01568%
			Sodium chloride	7647-14-5	30%	0.04704%
CAT-OS-1	Halliburton	Activator	Ammonium acetate	631-61-8	30%	0.01322%
			Cobalt acetate	71-48-7	10%	0.00441%
GasPerm 1100	Halliburton	Non-ionic Surfactant	Ethanol	64-17-5	60%	0.04161%
			Methanol	67-56-1	10%	0.00694%
			Terpenes and Terpenoids, sweet orange-oil	68647-72-3	5%	0.00347%
CLA-STA XP ADDITIVE	Halliburton	Clay Stabilizer	Polyepichlorohydrin, trimethyl amine quaternized	51838-31-4	60%	0.096%
HC-2	Halliburton	Additive	Inner salt of alkyl amines	Confidential Business Information	30%	0.07295%
			Sodium chloride	7647-14-5	30%	0.07295%
BA-20 BUFFERING AGENT	Halliburton	Buffer	Acetic acid	64-19-7	30%	0.02392%
			Ammonium acetate	631-61-8	100%	0.07974%
WG-18 GELLING AGENT	Halliburton	Gelling Agent	Guar gum derivative	Confidential Business Information	100%	0.15248%
CARBON DIOXIDE, LIQUIFIED	Halliburton	Fluid	Carbon dioxide	124-38-9	100%	60.80644%
Ingredients Listed Below This Line Are Part of the			Ammonium Sulfate	7783-20-2	0%	0%
			Ethoxylated Fatty Acid	Confidential Business Information	0%	0%
			Ethoxylated Fatty Acid	Confidential Business Information	0%	0%
			Ethoxylated Fatty Acid	Confidential Business Information	0%	0%
			Glycerine	56-81-5	0%	0%
			Methyl Isobutyl Ketone	108-10-1	0%	0%
			Silica, amorphous - fumed	7631-86-9	0%	0%
			Sodium bicarbonate	144-55-8	0%	0%
			Terpenes and Terpenoids	Confidential Business Information	0%	0%
			Trimethylamine, N-oxide	1184-78-7	0%	0%
			Water	7732-18-5	0%	0%
			Zirconium, acetate lactate oxo ammonium complexes	68909-34-2	0%	0%
			Zirconium, chloro hydroxy lactate oxo sodium complexes	174206-15-6	0%	0%
			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		
Date: 1/18/2013				Title: Manager		
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.						