

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: 30-045-24210				
		2. Well Name: KRAUSE WN FEDERAL #001E				
		3. Well Number: 001E				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit: C Lot: C Section: 32 Township: 28N Range: 11W Feet from: 790 N/S Line: N Feet from: 1520 E/W Line: W				
		5. Bottom Hole Location: Unit: C Lot: C Section: 32 Township: 28N Range: 11W Feet from: 790 N/S Line: N Feet from: 1520 E/W Line: W				
		6. Latitude: 36.6237805707828 Longitude: 108.030990783474				
		7. County: San Juan				
8. Operator Name and Address: XTO ENERGY, INC XTO Energy, Inc. 382 Road 3100 Aztec 87410		9. OGRID: 5380	10. Phone Number: 505-333-3143			
11. Last Fracture Date: 9/10/2013 Frac Performed by: Halliburton		12. Production Type: G				
13. Pool Code(s): 36550		14. Gross Fractured Interval: 5,468 ft to 5,692 ft				
15. True Vertical Depth (TVD): 6,360 ft		16. Total Volume of Fluid Pumped: 39,076 gals				
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	Base Fluid	Water	7732-18-5	100%	50.09646%
Sand - Premium White	Halliburton	Proppant	Crystalline Silica, Quartz	14808-60-7	100%	24.17719%
Nitrogen Liquefied	Halliburton	Fluid	Nitrogen	7727-37-9	100%	20.20129%
CRC Sand	Halliburton	Proppant	Crystalline Silica, Quartz	14808-60-7	100%	4.67926%
			Phenol / Formaldehyde Resin	9003-35-4	5%	0.23396%
			Hexamethylenetetramine	100-97-0	2%	0.09359%
			Naphtha, Hydrotreated Heavy	64742-48-9	60%	0.1394%
LGC-36 UC	Halliburton	Liquid Gel Concentrate	Guar Gum	9000-30-0	60%	0.1394%
NCL 100	Clearwater International LLC	Clay Control	Ethylene Glycol	107-21-1	30%	0.12216%
BC-140	Halliburton	Crosslinker	Monoethanolamine Borate	26038-87-9	60%	0.05995%
			Ethylene Glycol	107-21-1	30%	0.02998%
Parasorb 5005	Baker Hughes	Paraffin Inhibitor	Diatomaceous Earth, Calcined	91053-39-3	48%	0.03689%
			Complex Ester	Proprietary	30%	0.02306%
			Heavy Aromatic Naphtha	64742-94-5	10%	0.00769%
			Mineral Oil	8042-47-5	5%	0.00384%
			Ethylene-Vinyl Acetate Copolymer	Proprietary	5%	0.00384%
			Naphthalene	91-20-3	1%	0.00077%
			Crystalline Silica: Quartz (SiO2)	14808-60-7	1%	0.00077%
			AQF-2 Foaming Agent	Halliburton	Foaming Agent	Ethylene Glycol Monobutyl Ether
GasPerm 1100	Halliburton	Non-Ionic Surfactant	Diethylene Glycol	111-46-6	10%	0.01742%
			Ethanol	64-17-5	30%	0.03137%
			Methanol	67-56-1	10%	0.01046%
			Isopropanol	67-63-0	10%	0.01046%
			Terpenes and Terpenoids, Sweet Orange-Oil	68647-72-3	5%	0.00523%
Alpha 3207	Clearwater International LLC	Biocide	Isopropanol	67-63-0	30%	0.01921%
Optiflo-HTE	Halliburton	Breaker	Walnut Hulls	NA	100%	0.00615%
BA-40L Buffering Agent	Halliburton	Buffer	Crystalline Silica, Quartz	14808-60-7	30%	0.00184%
		Breaker	Potassium Carbonate	584-08-7	60%	0.0046%
GBW-30 Breaker	Halliburton		Carbohydrates	Confidential	100%	0.00277%
			Hemicellulase Enzyme	9012-54-8	30%	0.00083%
		Other Ingredient(s)	Water	7732-18-5	0%	0.23179%
		Other Ingredient(s)	Alkyl Sulfonate	Confidential	0%	0.10451%
		Other Ingredient(s)	Quaternary Ammonium Compounds, Bis (Hydrogenated Tallow Alkyl) Dimethyl Salts With Bentonite	68953-58-2	0%	0.01162%
		Other Ingredient(s)	Ethoxylated Fatty Acid	Confidential	0%	0.01046%
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		Other Ingredient(s)	Ethoxylated Fatty Acid	Confidential	0%	0.00523%
		Other Ingredient(s)	Terpenes and Terpenoids	Confidential	0%	0.00523%
		Other Ingredient(s)	Fatty Alcohol Polyglycol Ether Surfactant	9043-30-5	0%	0.00232%
		Other Ingredient(s)	Cured Acrylic Resin	Confidential	0%	0.00184%
		Other Ingredient(s)	Methyl Isobutyl Ketone	108-10-1	0%	0.00105%
		Other Ingredient(s)	Enzyme	Confidential	0%	0.00031%
		Other Ingredient(s)	Crystalline Silica, Quartz	14808-60-7	0%	0.00023%
		Other Ingredient(s)	C.I. Pigment Red 5	6410-41-9	0%	6E-05%
		Other Ingredient(s)	Cured Acrylic Resin	Confidential	0%	6E-05%
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: Sherry Morrow Title: Regulatory Analyst						
Date: 10/3/2013						
E-mail Address: Sherry_morrow@xtoenergy.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.