

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: 30-045-35490				
		2. Well Name: TENNECO FEDERAL #001R				
		3. Well Number: 001R				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:M Lot:M Section:8 Township:26N Range:12W Feet from:809 N/S Line:S Feet from:897 E/W Line:W				
		5. Bottom Hole Location: Unit:M Lot:M Section:8 Township:26N Range:12W Feet from:809 N/S Line:S Feet from:897 E/W Line:W				
		6. latitude: 36.4977251852916 longitude: -108.140777426098				
		7. County: San Juan				
8. Operator Name and Address: RUNNING HORSE PRODUCTION CO. 14933 Highway 172 P.O. Box 369 Ignacio 81137		9. OGRID: 217680	10. Phone Number: 970-563-5279			
11. Last Fracture Date: 2/10/2015 Frac Performed by: Halliburton		12. Production Type: G				
13. Pool Code(s): 71629		14. Gross Fractured Interval: 1,161 ft to 1,178 ft				
15. True Vertical Depth (TVD): 1,178 ft		16. Total Volume of Fluid Pumped: 19,279 gals				
17. Total Volume of Re-Use Water Pumped: 0 gals		18. Percent of Re-Use Water in Fluid Pumped: %				
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	Base Fluid	Fresh Water	7732-18-5	100%	60.576149%
HYDROCHLORIC ACID 10-30%	Halliburton	Solvent	Hydrochloric acid	7647-01-0	30%	1.0956166%
SAND - PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100%	23.9566193%
HAI-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor	Methanol	67-56-1	60%	0.0017478%
			Propargyl alcohol	107-19-7	10%	0.0002913%
BE-7™	Halliburton	Biocide	Sodium hydroxide	1310-73-2	2%	0.0011794%
			Sodium hypochlorite	7681-52-9	30%	0.0176903%
Gasperm 1000M	Halliburton	Surfactant	Citrus, extract	94266-47-4	10%	0.0066594%
			Isopropanol	67-63-0	30%	0.0199783%
HC-2	Halliburton	Additive	Inner salt of alkyl amines	Confidential	30%	0.0572753%
			Sodium chloride	7647-14-5	30%	0.0572753%
SandWedge® NT	Halliburton	Conductivity Enhancer	Dipropylene glycol monomethyl ether	34590-94-8	60%	0.2742943%
			Heavy aromatic petroleum naphtha	64742-94-5	10%	0.0457157%
BC-140	Halliburton	Crosslinker	Ethylene glycol	107-21-1	30%	0.0330219%
			Monoethanolamine borate	26038-87-9	60%	0.0660438%
BA-40L BUFFERING AGENT	Halliburton	Buffer	Potassium carbonate	584-08-7	60%	0.0044084%
ER-25	Halliburton	Resin	Bisphenol A / Epichlorohydrin resin	25068-38-6	30%	0.0558625%
			Butyl glycidyl ether	2426-08-6	5%	0.0093104%
			Dipropylene glycol monomethyl ether	34590-94-8	100%	0.1862083%
LGC-36 UC	Halliburton	Liquid Gel Concentrate	Guar gum	9000-30-0	60%	0.1707705%
			Naphtha, hydrotreated heavy	64742-48-9	60%	0.1707705%
OPTIFLO-HTE	Halliburton	Breaker	Crystalline silica, quartz	14808-60-7	30%	0.0007076%
			Walnut hulls	Mixture	100%	0.0023587%
GBW-30 BREAKER	Halliburton	Breaker	Hemicellulase enzyme	9012-54-8	30%	0.0004717%
			Carbohydrates	Confidential	100%	0.0015725%
NITROGEN LIQUEFIED	Halliburton	Fluid	Nitrogen	7727-37-9	100%	10.4464502%
N/A		Other Ingredient(s)	Alcohols, C14-C15, ethoxylated	68951-67-7	0%	0.0008739%
N/A		Other Ingredient(s)	C.I. Pigment Red 5	6410-41-9	0%	2.36E-05%
N/A		Other Ingredient(s)	Crystalline silica, quartz	14808-60-7	0%	0.0002846%
N/A		Other Ingredient(s)	Cured acrylic resin	Confidential	0%	2.36E-05%
N/A		Other Ingredient(s)	Cured acrylic resin	Confidential	0%	0.0007076%
N/A		Other Ingredient(s)	Enzyme	Confidential	0%	0.0001179%
N/A		Other Ingredient(s)	Epichlorohydrin	106-89-8	0%	0.0001862%
N/A		Other Ingredient(s)	Ethoxylated oil	Confidential	0%	0.0066594%
N/A		Other Ingredient(s)	Fatty acids, tall oil	Confidential	0%	0.0008739%
N/A		Other Ingredient(s)	Fatty alcohol polyglycol ether surfactant	9043-30-5	0%	0.0028462%
N/A		Other Ingredient(s)	Glycerine	56-81-5	0%	0.0095459%
N/A		Other Ingredient(s)	Methanol	67-56-1	0%	0.0045716%
N/A		Other Ingredient(s)	Naphthalene	91-20-3	0%	4.57E-05%
N/A		Other Ingredient(s)	Olefins	Confidential	0%	2.91E-05%
N/A		Other Ingredient(s)	Olefins	Confidential	0%	0.0001457%
N/A		Other Ingredient(s)	Olefins	Confidential	0%	0.0001457%
N/A		Other Ingredient(s)	Olefins	Confidential	0%	2.91E-05%
N/A		Other Ingredient(s)	Polyoxyalkylenes	Confidential	0%	0.0199783%
N/A		Other Ingredient(s)	Polyoxyalkylenes	Confidential	0%	0.0199783%
N/A		Other Ingredient(s)	Quaternary ammonium compound	Confidential	0%	0.0457157%
N/A		Other Ingredient(s)	Quaternary ammonium compounds	Confidential	0%	0.0066594%
N/A		Other Ingredient(s)	Quaternary ammonium compounds, bis (hydrogenated tallow alkyl) dimethyl salts with bentonite	68953-58-2	0%	0.0142309%
N/A		Other Ingredient(s)	Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	0%	0.0008739%
N/A		Other Ingredient(s)	Terpene	Confidential	0%	0.0066594%
N/A		Other Ingredient(s)	Water	7732-18-5	0%	3.9205759%
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: Robin Wojcik Title: Engineer Technician						
Date: 4/6/2015						
E-mail Address: rwojckl@rwpc.us						

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