

Submit within 45 days of well completion	<b>State of New Mexico</b> <b>Energy, Minerals and Natural Resources</b> <b>Oil Conservation Division</b> <b>1220 S. St Francis Dr.</b> <b>Santa Fe, NM 87505</b>	Revised February 15, 2012	
		1. WELL API NO: 30-025-41093	
		2. Well Name: JACKSON UNIT #024H	
		3. Well Number: 024H	
<b>HYDRAULIC FRACTURING FLUID DISCLOSURE</b>  <input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment		4. Surface Hole Location: Unit: O Lot: O Section: 22 Township: 24S Range: 33E Feet from: 200 N/S Line: S Feet from: 2435 E/W Line: E	
		5. Bottom Hole Location: Unit: B Lot: 2 Section: 22 Township: 24S Range: 33E Feet from: 347 N/S Line: N Feet from: 2282 E/W Line: E	
		6. Latitude: 32.1964052154767 Longitude: -103.559550254358	
		7. County: Lea	

8. Operator Name and Address: MURCHISON OIL & GAS INC 1100 Mira Vista Blvd. Plano 75093	9. OGRID: 15363	10. Phone Number: 972-931-0700
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11. Last Fracture Date: 7/26/2013 Frac Performed by: Baker Hughes	12. Production Type: O
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13. Pool Code(s): 96674	14. Gross Fractured Interval: Confidential
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15. True Vertical Depth (TVD): 11,102 ft	16. Total Volume of Fluid Pumped: 3,511,368 gals
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**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)
Water	Operator	Carrier	Water	7732-18-5	100%	85.08435%
HCl, 7.6 - 10%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	10%	0.22467%
			Water	7732-18-5	90%	2.02199%
Superset-U, tote	Baker Hughes	Activator	Denatured Ethanol	64-17-5	45%	0.02127%
			DI (Ethylene Glycol) Ethyl Ether Acetate	112-15-2	55%	0.02599%
GBW-5	Baker Hughes	Breaker	Ammonium Phosphate	7727-54-0	100%	0.00529%
High Perm CRB	Baker Hughes	Breaker	Ammonium Persulphate	7727-54-0	100%	0.00305%
BF-9L, 55 gal drum	Baker Hughes	Buffer	Potassium Carbonate	584-08-7	60%	0.06103%
			Potassium Hydroxide	1310-58-3	30%	0.03052%
ClayCare, tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.06768%
			Water	7732-18-5	30%	0.02707%
Clay Master-5C	Baker Hughes	Clay Control	Oxyalkylated Amine Quat	138879-94-4	60%	0.03042%
CI-27	Baker Hughes	Corrosion Inhibitor	Fatty Acids	Trade Secret	30%	0.00052%
			Methanol	67-56-1	60%	0.00103%
			Olefin	Trade Secret	5%	9E-05%
			Polyoxyalkylenes	Trade Secret	30%	0.00052%
			Propargyl Alcohol	107-19-7	10%	0.00017%
			Thiourea Polymer	68527-49-1	30%	0.00052%
XLW-10A	Baker Hughes	Crosslinker	Ethylene Glycol	107-21-1	30%	0.03117%
			Sodium Hydroxide	1310-73-2	10%	0.01039%
			Sodium Tetraborate Decahydrate	1303-96-4	30%	0.03117%
MaxPerm-20A, 265 gallon tote	Baker Hughes	Friction Reducer	Aliphatic Hydrocarbon	Trade Secret	30%	0.00859%
			Oxyalkylated Alcohol	Trade Secret	5%	0.00143%
GW-4LDF	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0	60%	0.29742%
			Petroleum Distillate Blend (1)	64742-47-8	70%	0.34699%
			Petroleum Distillate Blend (3)	8042-47-5	70%	0.34699%
			Petroleum Distillate Blend (2)	64742-55-8	70%	0.34699%
AG-12	Baker Hughes	Gelling Agent	Acrylic Polymers	26006-22-4	50%	0.00096%
			Distillates, Petroleum, Hydrotreated Middle	64742-47-8	21.1%	0.0004%
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Mixture of Surfactants	Trade Secret	50%	0.04105%
			Propylene Glycol	57-55-6	30%	0.02463%
Parasorb 5000, bag	Baker Hughes	Paraffin Inhibitor	Calcined Diatomaceous Earth	91053-39-3	65%	0.01511%
			Proprietary Paraffin Inhibitor	Trade Secret	25%	0.00581%
			Silica, Crystalline-Quartz	14808-60-7	5%	0.00116%
			White Mineral Oil	8042-47-5	30%	0.00697%
Sand, White, 30/50	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	6.56664%
Sand, White, 100 mesh	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	0.30333%
OilPlus Bulk (30/50)	Baker Hughes	Proppant	Quartz (Silica)	14808-60-7	100%	3.85925%
Scaletrol 720	Baker Hughes	Scale Inhibitor	Calcium Chloride	10043-52-4	5%	0.00146%
			Ethylene Glycol	107-21-1	30%	0.00875%
Ingredients shown above are subject to 29 CFR 1910			Anionic Terpolymer	Trade Secret	0%	0.0171833%
			Cured Resin	Trade Secret	0%	0.000732%
			EDTA	64-02-8	0%	1.43E-05%
			Fatty Acid Esters	67701-32-0	0%	3.63E-05%
			Fatty Acid Oxyalkylate	70142-34-6	0%	3.8E-06%
			Formaldehyde	50-00-0	0%	8.6E-06%
			Inorganic Salt	7647-14-5	0%	0.0014319%
			Oxyalkylated Alkylphenol	9016-45-9	0%	3.44E-05%
			Oxyalkylated Fatty Acid Derivative	Trade Secret	0%	0.0014319%
			Polyacrylate	Trade Secret	0%	0.0058337%
			Polyol Ester	Trade Secret	0%	0.0014319%
			Potassium Chloride	7447-40-7	0%	1.46E-05%
			Sodium Chloride	7647-14-5	0%	1.74E-05%
			Vinyl Acetate	24937-78-8	0%	0%
			Ethylene Copolymer			
			Water	7732-18-5	0%	0.1089661%
			Xylene	1330-20-7	0%	1.15E-05%
			diester of sulfosuccinic acid sodium salt	2673-22-5	0%	9.6E-06%

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: <u>Signed Electronically</u> Printed Name: <u>Cindy Cottrell</u> Title: <u>Regulatory Coordinator</u>
Date: <u>9/13/2013</u>
E-mail Address: <u>ccottrell@dmii.com</u>

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