

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 November 6, 2013 1. WELL API NO: 30-025-41072 2. Well Name: JACKSON UNIT #014H 3. Well Number: 014H 4. Surface Hole Location: Unit: D Lot: D Section: 15 Township: 24S Range: 33E Feet from: 200 N/S Line: N Feet from: 515 E/W Line: W 5. Bottom Hole Location: Unit: M Lot: 13 Section: 15 Township: 24S Range: 33E Feet from: 330 N/S Line: S Feet from: 375 E/W Line: W 6. Latitude: 32.2243453711296 Longitude: -103.56703233344 7. County: Lea				
<b>HYDRAULIC FRACTURING FLUID DISCLOSURE</b> <input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment		8. Operator Name and Address: MURCHISON OIL & GAS INC 1100 Mira Vista Blvd. Plano 75093 9. OGRID: 15363 10. Phone Number: 972-931-0700				
11. Last Fracture Date: 12/19/2013 Frac Performed by: Baker Hughes 12. Production Type: O		13. Pool Code(s): 96674 14. Gross Fractured Interval: Confidential				
15. True Vertical Depth (TVD): 11,224 ft 16. Total Volume of Fluid Pumped: 3,423,126 gals		17. Total Volume of Re-Use Water Pumped: N/A 18. Percent of Re-Use Water in Fluid Pumped: Not Disclosed				
<b>19. HYDRAULIC FLUID COMPOSITION AND CONCENTRATION:</b>						
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%	85.90521%
HCl, 7.6 - 10%	Baker Hughes	Acidizing	Hydrochloric Acid Water	7647-01-0 7732-18-5	10% 90%	0.12358% 1.11221%
Superset-U, tote	Baker Hughes	Activator	Denatured Ethanol Di (Ethylene Glycol) Ethyl Ether Acetate	64-17-5 112-15-2	45% 55%	0.02733% 0.03341%
Alpha 125 GBW-5	Baker Hughes Baker Hughes	Biocide Breaker	Water Ammonium persulphate	7732-18-5 7727-54-0	75% 100%	0.01556% 0.00548%
High Perm CRB	Baker Hughes	Breaker	Ammonium Persulphate	7727-54-0	100%	0.00335%
BF-9L, 300 gal tote	Baker Hughes	Buffer	Potassium Carbonate Potassium Hydroxide	584-08-7 1310-58-3	60% 30%	0.06014% 0.03007%
ClayCare, tote	Baker Hughes	Clay Control	Choline Chloride Water	67-48-1 7732-18-5	75% 30%	0.07027% 0.02811%
Clay Master-5C	Baker Hughes	Clay Control	Oxyalkylated Amine Quat	138879-94-4	60%	0.03016%
CI-27	Baker Hughes	Corrosion Inhibitor	Fatty Acids Methanol Olefin Polyoxyalkylenes Propargyl Alcohol Thiourea Polymer	Trade Secret 67-56-1 Trade Secret Trade Secret 107-19-7 88527-49-1	30% 60% 5% 30% 10% 30%	0.00027% 0.00054% 5E-05% 0.00027% 9E-05% 0.00027%
XLW-10A	Baker Hughes	Crosslinker	Ethylene Glycol Sodium Hydroxide Sodium Tetraborate Decahydrate	107-21-1 1310-73-2 1303-96-4	30% 10% 30%	0.03177% 0.01059% 0.03177%
MaxPerm-20A, 265 gallon tote	Baker Hughes	Friction Reducer	Oxyalkylated Alcohol Petroleum Distillates Polyacrylate Sodium Chloride	Trade Secret 64742-47-8 Trade Secret 7647-14-5	5% 30% 60% 3%	0.00049% 0.00293% 0.00585% 0.00029%
GW-4LDF	Baker Hughes	Gelling Agent	Guar Gum Petroleum Distillate Blend (1) Petroleum Distillate Blend (3) Petroleum Distillate Blend (2)	9000-30-0 64742-47-8 8042-47-5 64742-55-8	60% 70% 70% 70%	0.2825% 0.32959% 0.32959% 0.32959%
AG-12	Baker Hughes	Gelling Agent	Acrylic Polymers Distillates, Petroleum, Hydrotreated Middle	26006-22-4 64742-47-8	50% 21.1%	0.00029% 0.00012%
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Mixture of Surfactants Propylene Glycol	Trade Secret 57-55-6	50% 30%	0.03752% 0.02251%
Parasorb 5000, bag	Baker Hughes	Paraffin Inhibitor	Calcined Diatomaceous Earth Proprietary Paraffin Inhibitor Silica, Crystalline-Quartz White Mineral Oil	91053-39-3 Trade Secret 14808-60-7 8042-47-5	65% 25% 5% 30%	0.01583% 0.00609% 0.00122% 0.0073%
Sand, White, 30/50	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	6.80829%
Sand, White, 100 mesh	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	0.31708%
OilPlus Bulk (30/50)	Baker Hughes	Proppant	Quartz (Silica)	14808-60-7	100%	3.8451%
Scaletrol 720	Baker Hughes	Scale Inhibitor	Calcium Chloride Ethylene Glycol	10043-52-4 107-21-1	5% 30%	0.00136% 0.00819%
Ingredients shown above are subject to 29 CFR 1910			Cured Resin Fatty Acid Esters Fatty Acid Oxyalkylate Formaldehyde Glutaraldehyde Methanol Oleate Ester Oxyalkylated Alkylphenol Polyacrylate Polysorbate Potassium Chloride Sodium Chloride Vinyl Acetate Ethylene Copolymer Water Xylene diester of sulfosuccinic acid sodium salt	Trade Secret 67701-32-0 70142-34-6 50-00-0 111-30-8 67-56-1 1338-43-8 9016-45-9 Trade Secret 9005-65-6 7447-40-7 7647-14-5 24937-78-8 7732-18-5 1330-20-7 2673-22-5	0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0%	0.0008035% 1.09E-05% 1.2E-06% 5E-07% 0.0062221% 5.19E-05% 0.0002927% 1.04E-05% 0.0054598% 0.0002927% 1.36E-05% 1.27E-05% 0% 0.1146061% 3.5E-06% 2.9E-06%
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: <u>Signed Electronically</u> Printed Name: <u>Cindy Cottrell</u>		Title: <u>Regulatory Coordinator</u>				
Date: <u>1/6/2014</u>						
E-mail Address: <u>ccottrell@dmii.com</u>						

NMOCED does not require the reporting of information beyond MSDS data as described in 29 CFR 1910.1200. NMOCED does not require the reporting or disclosure of proprietary, trade secret or confidential business information.