

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. 30-025-41436				
		2. Well Name: BETTIS 20 STATE COM #002H				
		3. Well Number: 002H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:P Lot:P Section:20 Township:24S Range:33E Feet from:200 N/S Line:S E/W Line:E Feet from:940				
		5. Bottom Hole Location: Unit:A Lot:1 Section:20 Township:24S Range:33E Feet from:330 N/S Line:N E/W Line:E Feet from:850				
		6. latitude: 32.1964378747243 longitude: -103.588857517001				
		7. County: Lea				
8. Operator Name and Address: MURCHISON OIL & GAS INC Legacy Tower One 7250 Dallas Pkwy, Ste 1400 Plano 75024		9. OGRID: 15363	10. Phone Number: 972-931-0700			
11. Last Fracture Date: 8/9/2014 Frac Performed by: Baker Hughes		12. Production Type: O				
13. Pool Code(s): 96674		14. Gross Fractured Interval: Confidential				
15. True Vertical Depth (TVD): 11,146 ft		16. Total Volume of Fluid Pumped: 849,870 gals				
17. Total Volume of Re-Use Water Pumped: N/A		18. Percent of Re-Use Water in Fluid Pumped: Not Disclosed				
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)
Water	Operator	Carrier	Water	7732-18-5		
HCl, 7.6 - 10%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0		
			Water	7732-18-5		
Activator, 330 gal tote	Baker Hughes	Activator	Alcohols, C12-14-Secondary, Ethoxylated	84133-50-6		
			Methanol	67-56-1		
Alpha 125	Baker Hughes	Biocide	Glutaraldehyde	111-30-8		
GBW-5	Baker Hughes	Breaker	Ammonium persulphate	7727-54-0		
High Perm CRB	Baker Hughes	Breaker	Ammonium Persulphate	7727-54-0		
BF-9L, 300 gal tote	Baker Hughes	Buffer	Potassium Carbonate	584-08-7		
			Potassium Hydroxide	1310-58-3		
BF-9L, 55 gal drum	Baker Hughes	Buffer	Potassium Carbonate	584-08-7		
			Potassium Hydroxide	1310-58-3		
ClayCare, tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1		
			Water	7732-18-5		
Clay Master-5C	Baker Hughes	Clay Control	Oxyakylated Amine Quat	Trade Secret		
CI-27	Baker Hughes	Corrosion Inhibitor	Fatty Acids	Trade Secret		
			Methanol	67-56-1		
			Olefin	Trade Secret		
			Polyoxyalkylenes	Trade Secret		
			Propargyl Alcohol	107-19-7		
			Thiourea Polymer	68527-49-1		
XLW-4	Baker Hughes	Crosslinker	Sodium Tetraborate	1303-96-4		
XLW-30AG, tote	Baker Hughes	Crosslinker	Petroleum Distillates	64742-47-8		
XLW-10A	Baker Hughes	Crosslinker	Ethylene Glycol	107-21-1		
			Sodium Hydroxide	1310-73-2		
			Sodium Tetraborate Decahydrate	1303-96-4		
MaxPerm-20A, 265 gallon tote	Baker Hughes	Friction Reducer	Oxyalkylated Alcohol	Trade Secret		
			Petroleum Distillates	64742-47-8		
			Polyacrylate	Trade Secret		
			Sodium Chloride	7647-14-5		
GW-4	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0		
AG-12	Baker Hughes	Gelling Agent	Acrylic Polymers	Trade Secret		
			Distillates, Petroleum, Hydrotreated Middle	64742-47-8		
			Oxyalkylated Alkylphenol	Trade Secret		
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Mixture of Surfactants	Trade Secret		
			Propylene Glycol	57-55-6		
Parasorb 5000, bag	Baker Hughes	Paraffin Inhibitor	Calcined	91053-39-3		
			Diatomaceous Earth			
			Silica, Crystalline-Quartz	14808-60-7		
Sand, White, 30/50	Baker Hughes	Proppant	White Mineral Oil	8042-47-5		
			Crystalline Silica (Quartz)	14808-60-7		
Sand, White, 100 mesh	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7		
OilPlus Bulk (30/50)	Baker Hughes	Proppant	Quartz (Silica)	14808-60-7		
Scaletrol 720	Baker Hughes	Scale Inhibitor	Calcium Chloride	10043-52-4		
			Ethylene Glycol	107-21-1		
			Boric Oxide	1303-86-2		
			Cured Resin	Trade Secret		
			Fatty Acid Esters	67701-32-0		
			Fatty Acid	70142-34-6		
			Oxyalkylate			
			Formaldehyde	50-00-0		
			Methanol	67-56-1		
			Oleate Ester	1338-43-8		
			Organophilic Clay	Trade Secret		
			Polyacrylate	Trade Secret		
			Polymeric Suspending Agent	Trade Secret		
			Polysorbate	9005-65-6		
			Potassium Chloride	7447-40-7		
			Sodium Chloride	7647-14-5		
			Surfactant	Trade Secret		
			Vinyl Acetate	24937-78-8		
			Ethylene Copolymer			
			Water	7732-18-5		
			Xylene	1330-20-7		
			diester of sulfosuccinic acid sodium salt	2673-22-5		
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: Cindy Cottrell Title: Regulatory Coordinator						
Date: 10/21/2014						
E-mail Address: ccottrell@dmii.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.