

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. 30-015-39851					
		2. Well Name: CARBON VALLEY 25 FEDERAL COM #008H					
		3. Well Number: 008H					
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:I Lot:12 Section:25 Township:16S Range:27E Feet from:1780 N/S Line:S Feet from:300 E/W Line:E					
		5. Bottom Hole Location: Unit:L Lot:12 Section:25 Township:16S Range:27E Feet from:1923 N/S Line:S Feet from:689 E/W Line:W					
		6. Latitude: 32.8902302763883 longitude: - 104.224869303172					
		7. County: Eddy					
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: 10/23/2012 Frac Performed by: Baker Hughes				12. Production Type: O			
13. Pool Code(s): 17970				14. Gross Fractured Interval: 6,170 ft to 10,450 ft			
15. True Vertical Depth (TVD): 6,355 ft				16. Total Volume of Fluid Pumped: 40,494 bbls			
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%	85.53592%	
HCl, 15.1 - 20%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	20%	1.16627%	
			Water	7732-18-5	80%	4.66508%	
Alpha 125	Baker Hughes	Biocide	Glutaraldehyde	111-30-8	30%	0.01195%	
GBW-5	Baker Hughes	Breaker	Ammonium Phosphate	7727-54-0	100%	0.00844%	
GBW-15L	Baker Hughes	Breaker	Enzyme solution	Trade Secret	100%	0.01909%	
ClayCare, tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.06193%	
			Water	7732-18-5	30%	0.02477%	
CI-27	Baker Hughes	Corrosion Inhibitor	Fatty Acids	Trade Secret	30%	0.00269%	
			Methanol	67-56-1	60%	0.00538%	
			Olefin	Trade Secret	5%	0.00045%	
			Polyoxyalkylenes	Trade Secret	30%	0.00269%	
			Propargyl Alcohol	107-19-7	10%	0.0009%	
XLW-10A	Baker Hughes	Crosslinker	Ethylene Glycol	107-21-1	30%	0.03498%	
			Sodium Hydroxide	1310-73-2	10%	0.01166%	
			Sodium Tetraborate	1330-43-4	30%	0.03498%	
GW-4LDF	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0	60%	0.32353%	
			Paraffinic Petroleum Distillate	64742-55-8	60%	0.32353%	
			Petroleum Distillate	64742-47-8	60%	0.32353%	
Ferrotrol 280L	Baker Hughes	Iron Control	2-Mercaptoethanol	60-24-2	100%	0.03322%	
			Ammonium Hydroxide	1336-21-6	5%	0.00166%	
			Cupric Chloride	7447-39-4	5%	0.00166%	
NE-945, tote	Baker Hughes	Non-emulsifier	Oxyalkylated alcohol	Trade Secret	5%	0.00026%	
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Mixture of Surfactants	Trade Secret	50%	0.03974%	
			Propylene Glycol	57-55-6	30%	0.02385%	
Sand, White, 20/40	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	7.19514%	
InFlo 250G, 330 gl tote	Baker Hughes	Surfactant	Methanol	67-56-1	30%	0.02272%	
			Mixture of Surfactants	Trade Secret	50%	0.03787%	
			Water	7732-18-5	30%	0.02272%	
Ingredients shown above are subject to 29 CFR 1910			Alkoxylated Amine	Trade Secret	0%	0.000513%	
			Alkylene Oxide Block Polymer	Trade Secret	0%	0.0005848%	
			Antifoam	Trade Secret	0%	1E-06%	
			Formaldehyde	50-00-0	0%	4.48E-05%	
			Methanol	67-56-1	0%	9.96E-05%	
			Modified Thiourea Polymer	68527-49-1	0%	0.0009858%	
			Organic Sulfonic Acid	27176-87-0	0%	1.03E-05%	
			Polyglycol	25322-68-3	0%	9.75E-05%	
			Polyquaternary Amine	Trade Secret	0%	6.16E-05%	
			Sodium Chloride	7647-14-5	0%	4.48E-05%	
			Water	7732-18-5	0%	0.0609413%	
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: Cindy Cottrell Title: Regulatory Coordinator							
Date: 11/15/2012							
E-mail Address: ccottrell@jdmii.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.