

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: 30-015-41018					
		2. Well Name: COWTOWN UNIT #202					
		3. Well Number: 202					
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:M Lot:M Section:13 Township:18S Range:28E Feet from:760 N/S Line:S Feet from:810 E/W Line:W					
		5. Bottom Hole Location: Unit:M Lot:M Section:13 Township:18S Range:28E Feet from:760 N/S Line:S Feet from:810 E/W Line:W					
		6. Latitude: Longitude: 32.7429997421485 - 104.135830720785					
		7. County: Eddy					
8. Operator Name and Address: ALAMO PERMIAN RESOURCES, LLC 415 W. Wall Street, Suite 500 Midland 79701		9. OGRID: 274841		10. Phone Number: 432-897-0673			
11. Last Fracture Date: 4/24/2013 Frac Performed by: BAKER HUGHES		12. Production Type: O					
13. Pool Code(s): 3230		14. Gross Fractured Interval: 2,733 ft to 2,967 ft					
15. True Vertical Depth (TVD): 2,967 ft		16. Total Volume of Fluid Pumped: 1,284 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%	69.19401%	
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.66946%	
X-Cide 207	Baker Hughes	Biocide	Water	7732-18-5	85%	3.79363%	
			2-Methyl-4-Isothiazolin-3-One	2682-20-4	5%	0.00014%	
			5-Chloro-2-Methyl-4-Isothiazolin-3-One	26172-55-4	10%	0.00028%	
			Crystalline Silica: Cristobalite	14464-46-1	1%	3E-05%	
			Crystalline Silica: Quartz (SiO2)	14808-60-7	1%	3E-05%	
			Diatomaceous Earth, Calcined	91053-39-3	60%	0.00166%	
			Magnesium Chloride	7786-30-3	5%	0.00014%	
			Magnesium Nitrate	10377-60-3	10%	0.00028%	
Enzyme G-III	Baker Hughes	Breaker	Hemicellulase Enzyme Concentrate	9025-56-3	0.1%	6E-05%	
CI-27	Baker Hughes	Corrosion Inhibitor	Water	7732-18-5	99.9%	0.0564%	
			Fatty Acids	Trade Secret	30%	0.00206%	
			Methanol	67-56-1	60%	0.00412%	
			Olefin	Trade Secret	5%	0.00034%	
			Polyoxyalkylenes	Trade Secret	30%	0.00206%	
FAW-4	Baker Hughes	Foamer	Propargyl Alcohol	107-19-7	10%	0.00069%	
			2-Butoxyethanol	111-76-2	10%	0.034%	
			Ammonium Lauryl Ether Sulphate	32612-48-9	30%	0.102%	
GW-4LDF	Baker Hughes	Gelling Agent	Ethanol	64-17-5	5%	0.017%	
			Isopropanol	67-63-0	30%	0.102%	
			Guar Gum	9000-30-0	60%	0.19881%	
Ferrotrol 280L	Baker Hughes	Iron Control	Paraffinic Petroleum Distillate	64742-55-8	60%	0.19881%	
			Petroleum Distillate	64742-47-8	60%	0.19881%	
			2-Mercaptoethanol	60-24-2	100%	0.01695%	
NE-23, 55 gallon drum	Baker Hughes	Non-emulsifier	Ammonium Hydroxide	1336-21-6	5%	0.00085%	
			Cupric Chloride	7447-39-4	5%	0.00085%	
			Isopropanol	67-63-0	30%	0.00118%	
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Mixture of Surfactants	Trade Secret	50%	0.0385%	
PK-241	Baker Hughes	PPS	Propylene Glycol	57-55-6	30%	0.0231%	
			Propane-1, 2-Diol	57-55-6	100%	0.03983%	
Sand, Brown, 20/40	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	24.65274%	
Scaletrol 720	Baker Hughes	Scale Inhibitor	Calcium Chloride	10043-52-4	5%	0.00229%	
			Ethylene Glycol	107-21-1	30%	0.01374%	
Paravan 28, 260 gallon tote	Baker Hughes	Solvent	Citrus Terpenes	94266-47-4	70%	0.1719%	
			Terpene Hydrocarbon	68956-56-9	50%	0.12278%	
InFlo 250G, 330 gl tote	Baker Hughes	Surfactant	Methanol	67-56-1	30%	0.02271%	
			Mixture of Surfactants	Trade Secret	50%	0.03785%	
Ingredients shown above are subject to 29 CFR 1910			Water	7732-18-5	30%	0.02271%	
			Alkene Sulfonate	Trade Secret	0%	0.0663032%	
			Benzyl Chloride	100-44-7	0%	3.93E-05%	
			Ethoxylated Nonylphenol	9016-45-9	0%	0.0001964%	
			Formaldehyde	50-00-0	0%	3.43E-05%	
			Glycol Ether	Trade Secret	0%	0.0001964%	
			Inorganic Salt	Trade Secret	0%	0.00102%	
			Modified Thiourea Polymer	68527-49-1	0%	0.0007545%	
			Olefin Sulfonate	Trade Secret	0%	0.0023572%	
			Oxyalkylated Alcohol	Trade Secret	0%	0.0030601%	
			Polyacrylate	Trade Secret	0%	0.0091612%	
			Polyester	Trade Secret	0%	0.0005893%	
			Potassium Chloride	7447-40-7	0%	2.29E-05%	
			Quaternary Amine Compounds	Trade Secret	0%	0.0011786%	
			Sodium Chloride	7647-14-5	0%	0.0014081%	
			Sulfate	Trade Secret	0%	0.0017001%	
			Water	7732-18-5	0%	0.1671628%	
			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: CARIE A STOKER		REGULATORY AFFAIRS
			Date: 5/6/2013				Title: COORDINATOR
			E-mail Address: cstoker@helmsoil.com				

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