

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: 30-015-40832							
		2. Well Name: DELHI B STATE #004							
		3. Well Number: 004							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:M Lot:M Section:28 Township:17S Range:28E Feet from:260 N/S Line:S Feet from:330 E/W Line:W							
		5. Bottom Hole Location: Unit:M Lot:M Section:28 Township:17S Range:28E Feet from:260 N/S Line:S Feet from:330 E/W Line:W							
		6. latitude: longitude: 32.7987972387747 - 104.188387110832							
		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: 3/28/2013 Frac Performed by: BAKER HUGHES		12. Production Type: O							
13. Pool Code(s): 51300		14. Gross Fractured Interval: 2,406 ft to 2,744 ft							
15. True Vertical Depth (TVD): 3,126 ft		16. Total Volume of Fluid Pumped: 1,896 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%	70.1655%			
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.91947%			
X-Cide 207	Baker Hughes	Biocide	Water	7732-18-5	85%	5.21035%			
			2-Methyl-4-Isothiazolin-3-One	2682-20-4	5%	0.00016%			
			5-Chloro-2-Methyl-4-Isothiazolin-3-One	26172-55-4	10%	0.00032%			
			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%	0.0019%			
			Magnesium Chloride	7786-30-3	5%	0.00016%			
			Magnesium Nitrate	10377-60-3	10%	0.00032%			
Enzyme G-III	Baker Hughes	Breaker	Hemicellulase Enzyme Concentrate	9025-56-3	0.1%	5E-05%			
CI-27	Baker Hughes	Corrosion Inhibitor	Water	7732-18-5	99.9%	0.05281%			
			Fatty Acids	Trade Secret	30%	0.00283%			
			Methanol	67-56-1	60%	0.00565%			
			Olefin	Trade Secret	5%	0.00047%			
			Polyoxyalkylenes	Trade Secret	30%	0.00283%			
FAW-22, 260 gal. tote	Baker Hughes	Foamer	Propargyl Alcohol	107-19-7	10%	0.00094%			
			Alkyl Sulfate	Trade Secret	1%	0.00927%			
			Ammonium Alkyl Ether Sulfate	Trade Secret	10%	0.03091%			
			Isopropanol	67-63-0	30%	0.09274%			
GW-4LDF	Baker Hughes	Gelling Agent	Sodium Sulfonate	68439-57-6	30%	0.09274%			
			Guar Gum	9000-30-0	60%	0.19539%			
Ferrotrol 280L	Baker Hughes	Iron Control	Paraffinic Petroleum Distillate	64742-55-8	60%	0.19539%			
			Petroleum Distillate	64742-47-8	60%	0.19539%			
			2-Mercaptoethanol	60-24-2	100%	0.02328%			
NE-23, 55 gallon drum	Baker Hughes	Non-emulsifier	Ammonium Hydroxide	1336-21-6	5%	0.00116%			
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Cupric Chloride	7447-39-4	5%	0.00116%			
PK-241	Baker Hughes	PPS	Isopropanol	67-63-0	30%	0.00162%			
Sand, Brown, 20/40	Baker Hughes	Proppant	Mixture of Surfactants	Trade Secret	50%	0.03173%			
Scaletrol 720	Baker Hughes	Scale Inhibitor	Propylene Glycol	57-55-6	30%	0.01904%			
Paravan 28, drum	Baker Hughes	Solvent	Propane-1, 2-Diol	57-55-6	100%	0.01641%			
InFlo 250G, 330 gl tote	Baker Hughes	Surfactant	Crystalline Silica (Quartz)	14808-60-7	100%	22.32828%			
Ingredients shown above are subject to 29 CFR 1910			Calcium Chloride	10043-52-4	5%	0.00136%			
			Ethylene Glycol	107-21-1	30%	0.00818%			
			Citrus Terpenes	94266-47-4	70%	0.07581%			
			Terpene Hydrocarbon	68956-56-9	50%	0.05415%			
			Methanol	67-56-1	30%	0.023%			
			Mixture of Surfactants	Trade Secret	50%	0.03833%			
			Water	7732-18-5	30%	0.023%			
			Benzyl Chloride	100-44-7	0%	5.4E-05%			
			Ethoxylated Alcohol	NP-R2429_2	0%	0.0030913%			
			Ethoxylated Nonylphenol	9016-45-9	0%	0.0002698%			
			Ethylene Glycol	107-21-1	0%	0.0030913%			
			Fatty Amide	70851-08-0	0%	0.0030913%			
			Derivative						
			Formaldehyde	50-00-0	0%	0.0031384%			
			Glycol Ether	Trade Secret	0%	0.0002698%			
			Modified Thiourea Polymer	68527-49-1	0%	0.0010363%			
			Olefin Sulfonate	Trade Secret	0%	0.0032376%			
			Polyacrylate	Trade Secret	0%	0.0054524%			
			Polyester	Trade Secret	0%	0.0008094%			
			Potassium Chloride	7447-40-7	0%	1.36E-05%			
			Quaternary Amine Compounds	Trade Secret	0%	0.0016188%			
			Sodium Chloride	7647-14-5	0%	0.0031466%			
			Sodium Sulfate	7757-82-6	0%	0.0030913%			
			Water	7732-18-5	0%	0.1464214%			
			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: 4/3/2013				Title: COORDINATOR		
			E-mail Address: cstoker@helmsoil.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.