

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: 30-015-41077							
		2. Well Name: STATE 647 #204							
		3. Well Number: 204							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:P Lot:P Section:25 Township:17S Range:28E Feet from:660 N/S Line:S Feet from:790 E/W Line:E							
		5. Bottom Hole Location: Unit:P Lot:P Section:25 Township:17S Range:28E Feet from:660 N/S Line:S Feet from:790 E/W Line:E							
		6. Latitude: Longitude: 32.8012146952168 - 104.124095275501							
		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: 5/28/2013 Frac Performed by: BAKER HUGHES		12. Production Type: O							
13. Pool Code(s): 3230		14. Gross Fractured Interval: 2,197 ft to 2,414 ft							
15. True Vertical Depth (TVD): 2,640 ft		16. Total Volume of Fluid Pumped: 1,240 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%	69.49679%			
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.60922%			
			Water	7732-18-5	85%	3.45225%			
X-Cide 207	Baker Hughes	Biocide	2-Methyl-4-Isothiazolin-3-One	2682-20-4	5%	0.00014%			
			5-Chloro-2-Methyl-4-Isothiazolin-3-One	26172-55-4	10%	0.00029%			
			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%	0.00173%			
			Magnesium Chloride	7786-30-3	5%	0.00014%			
			Magnesium Nitrate	10377-60-3	10%	0.00029%			
			Enzyme G-III	Baker Hughes	Breaker	No Hazardous Ingredients	NA	100%	0.08007%
Potassium Chloride	Baker Hughes	Clay Control	Potassium Chloride	7447-40-7	100%	1.56844%			
CI-27	Baker Hughes	Corrosion Inhibitor	Fatty Acids	Trade Secret	30%	0.00214%			
			Methanol	67-56-1	60%	0.00428%			
			Olefin	Trade Secret	5%	0.00036%			
			Polyoxyalkylenes	Trade Secret	30%	0.00214%			
			Propargyl Alcohol	107-19-7	10%	0.00071%			
			Thiourea Polymer	68527-49-1	30%	0.00214%			
FAW-4	Baker Hughes	Foamer	2-Butoxyethanol	111-76-2	10%	0.01201%			
			Ammonium Lauryl Ether Sulphate	32612-48-9	30%	0.03603%			
			Ethanol	64-17-5	5%	0.006%			
GW-4LDF	Baker Hughes	Gelling Agent	Isopropanol	67-63-0	30%	0.03603%			
			Guar Gum	9000-30-0	60%	0.25731%			
			Paraffinic Petroleum Distillate	64742-55-8	60%	0.25731%			
Ferrotrol 280L	Baker Hughes	Iron Control	Petroleum Distillate	64742-47-8	60%	0.25731%			
			2-Mercaptoethanol	60-24-2	100%	0.01763%			
			Ammonium Hydroxide	1336-21-6	5%	0.00088%			
NE-23, 55 gallon drum	Baker Hughes	Non-emulsifier	Cupric Chloride	7447-39-4	5%	0.00088%			
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Isopropanol	67-63-0	30%	0.00123%			
PK-241	Baker Hughes	PPS	Mixture of Surfactants	Trade Secret	50%	0.03737%			
			Propylene Glycol	57-55-6	30%	0.02242%			
Sand, Brown, 20/40	Baker Hughes	Proppant	Propane-1, 2-Diol	57-55-6	100%	0.04142%			
Scaletrol 720	Baker Hughes	Scale Inhibitor	Crystalline Silica (Quartz)	14808-60-7	100%	23.15788%			
			Calcium Chloride	10043-52-4	5%	0.00278%			
Paravan 28, 260 gallon tote	Baker Hughes	Solvent	Ethylene Glycol	107-21-1	30%	0.01667%			
			Citrus Terpenes	94266-47-4	70%	0.15253%			
			Terpene Hydrocarbon	68956-56-9	50%	0.10895%			
Flo-Back 40	Baker Hughes	Surfactant	Amphoteric Surfactant	Trade Secret	40%	0.04345%			
Ingredients shown above are subject to 29 CFR 1910			Alkene Sulfonate	Trade Secret	0%	0.0234191%			
			Benzyl Chloride	100-44-7	0%	4.09E-05%			
			Ethoxylated	9016-45-9	0%	0.0002043%			
			Nonylphenol						
			Formaldehyde	50-00-0	0%	3.56E-05%			
			Glycol Ether	Trade Secret	0%	0.0002043%			
			Hemicellulase Enzyme Concentrate	9025-56-3	0%	8.01E-05%			
			Inorganic Salt	Trade Secret	0%	0.0003603%			
			Olefin Sulfonate	Trade Secret	0%	0.0024516%			
			Oxyalkylated Alcohol	Trade Secret	0%	0.0010809%			
			Polyacrylate	Trade Secret	0%	0.0111157%			
			Polyester	Trade Secret	0%	0.0006129%			
			Potassium Chloride	7447-40-7	0%	2.78E-05%			
			Quaternary Amine Compounds	Trade Secret	0%	0.0012258%			
			Sodium Chloride	7647-14-5	0%	0.0331233%			
			Sulfate	Trade Secret	0%	0.0006005%			
			Water	7732-18-5	0%	0.2381069%			
			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: 6/10/2013				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.