

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: 30-015-41019				
		2. Well Name: MALOOF STATE #001				
		3. Well Number: 001				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit: Lot: Section:28 Township:17S Range:28E Feet from:1695 N/S Line:S Feet from:800 E/W Line:E				
		5. Bottom Hole Location: Unit: Lot: Section:28 Township:17S Range:28E Feet from:1695 N/S Line:S Feet from:800 E/W Line:E				
		6. Latitude: 32.8030045699872 Longitude: - 104.175116402632				
		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: 3/21/2013 Frac Performed by: CUDD		12. Production Type: O				
13. Pool Code(s): 51300		14. Gross Fractured Interval: 2,361 ft to 3,057 ft				
15. True Vertical Depth (TVD): 3,109 ft		16. Total Volume of Fluid Pumped: 830 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		Carrier / Base Fluid		7732-18-5	100%	61.96554%
Sand		Proppant	Silicon Dioxide	14808-60-7	100%	31.08504%
15% Hydrochloric Acid	Reagent	Scale Dissolver	37% Hydrochloric Acid	7647-01-0	15%	0.85964%
			Water	7732-18-5	85%	4.8713%
I-112	Chemplex,L.C.	Acid Corrosion Inhibitor	Methanol	67-56-1	49.6%	0.00221%
			Propargyl Alcohol	107-19-7	4%	0.00018%
SG-15G	PfP Technology	Polymer	Guar Gum	9000-30-0	50%	0.18412%
			Petroleum Distillate (Mineral Oil)	64742-47-8	55%	0.20253%
			Bentonite Clay	14808-60-7	2%	0.00736%
			Surfactant	68439-51-0	2%	0.00736%
GB-2	Fritz Industries, Inc.	Breaker	Ammonium Persulfate	7727-54-0	99.9%	0.0096%
GB-150	Chemplex, L.C.	Breaker	Non-hazardous ingredients	NA	100%	0.03714%
NE-217	Chemplex, L.C.	Non-emulsifier	Methanol	67-56-1	50%	0.00472%
NE-227	CESI	Non-emulsifier	Isopropanol	67-63-0	15%	0.00933%
			Methanol	67-56-1	15%	0.00933%
			Ethoxylated Nonylphenol	9016-45-9	20%	0.01244%
FA-520	Chemplex, L.C.	Foaming Agent	Methanol	67-56-1	40%	0.12331%
			Fatty Alkyl Amine Salt	Not Established	40%	0.12331%
FE-4	Chemplex, L.C.	Iron Control Additive	Citric Acid Anhydrous	77-92-9	55%	0.01735%
			Water	7732-18-5	55%	0.01735%
PAS-C	Reef	Asphalene/Paraffin Solvent	Ethylene Glycol monbutyl Ether	111-76-2	20%	0.07116%
			Isopropanol	67-30-0	20%	0.07116%
			Ethyl Acetate	141-78-6	20%	0.07116%
			Glacial Acetic Acid	64-19-7	20%	0.07116%
			Isopropylamine	75-31-0	20%	0.07116%
			Dodecylbenzene Sulfonic Acid	27176-87-0	20%	0.07116%
SCW-625	Tech Management	Scale Inhibitor	Methanol	67-56-1	100%	0.03181%
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: <u>Signed Electronically</u>		Printed Name: <u>CARIE A STOKER</u>		REGULATORY AFFAIRS Title: <u>COORDINATOR</u>		
Date: <u>4/1/2013</u>						
E-mail Address: <u>cstoker@helmsoil.com</u>						
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.						