

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: 30-015-39345				
		2. Well Name: MACHO GRANDE STATE #001H				
		3. Well Number: 001H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☐ Original ☒ Amends disclosure submitted on 8/9/2012		4. Surface Hole Location: Unit:A Lot:A Section:32 Township:23S Range:29E Feet from:330 N/S Line:N Feet from:330 E/W Line:E				
		5. Bottom Hole Location: Unit:A Lot:A Section:32 Township:23S Range:29E Feet from:330 N/S Line:N Feet from:330 E/W Line:E				
		6. latitude: longitude: 32.2676810496946 - 103.999453428356				
		7. County: Eddy				
8. Operator Name and Address: NADEL AND GUSSMAN PERMIAN, LLC 601 N MARIENFELD SUITE 508 MIDLAND 79701		9. OGRID: 155615		10. Phone Number:		
11. Last Fracture Date: 8/8/2012 Frac Performed by: Elite Well Services LLC		12. Production Type: O				
13. Pool Code(s): 11520		14. Gross Fractured Interval: Confidential				
15. True Vertical Depth (TVD): 7,772 ft		16. Total Volume of Fluid Pumped: 41,776 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%	86.82782%
Sand		Propant	Silicon Dioxide	14808-60-7	100%	9.97079%
RCS (Propant)		Propant	Silicon Dioxide	14808-60-7	100%	2.20551%
Ammonium Persulfate	Chemplex,LC	Gel Breaker	Ammonium Persulfate	7727-54-0	98%	0.00233%
Claymax	Chemplex, LC	Clay Stabilizer	Chlorine Chloride	67-48-1	62%	0.03199%
			Water	7732-18-5	38%	0.01961%
Ferriplex 66	Chemplex, LC	Iron control	Acetic Acid	64-19-7	50%	0.00285%
			Citic Acid	77-92-9	30%	0.00171%
			Water	7732-18-5	35%	0.00199%
Plexbor 101	Chemplex, LC	Crosslinker	Ethylene Glycol	107-21-1	9.99%	0.0078%
			Potassium Metaborate	13709-94-9	30%	0.02344%
			Potassium Hydroxide	1310-58-3	5%	0.00391%
			Water	7732-18-5	75%	0.05859%
Plexbreak 150	Chemplex, LC	Non-Emulsifier	Cocamide Diethanolamine Salt	68603-42-9	30%	0.02127%
			Diethanolamine	111-42-2	20%	0.01418%
			Methyl Alcohol	67-56-1	50%	0.03544%
			Trade Secret	Trade Secret	5%	0.003354%
Plexcide 248	Chemplex, LC	Biocide	Tetrahydro-3, 5-Dimethyl-2H-1,3,5	533-73-2	24%	0.00649%
			thiadiazine-2-thione	1310-73-2	12%	0.00325%
			Sodium Hydroxide	1310-73-2	12%	0.00325%
			Water	7732-18-5	72%	0.01948%
Plexgel Breaker 10L	Chemplex, LC	Gel Breaker	Mannenase Enzymes	Trade Secret	2%	7E-05%
			Sodium Chloride	7647-14-5	15%	0.0005%
			Water	7732-18-5	90%	0.00301%
Plexhib 256	Chemplex, LC	Corrosion Inhibitor	Methyl Alcohol	67-56-1	70%	0.00119%
			Propargyl	107-19-7	8%	0.00014%
			thiourea-formaldehyde copolymer	68527-49-1	30%	0.00051%
			Alcohol Ethoxylate surfactants	Trade Secret	30%	0.00051%
			n-olefins	Trade Secret	10%	0.00017%
Plexset 730	Chemplex, LC	Activator	Secondary Alcohol Ethoxylate	84133-50-6	60%	0.01543%
			Methyl Alcohol	67-56-1	50%	0.01286%
Plexslick 921 E	Chemplex, LC	Friction Reducer	Hydrotreated Petroleum Distillate	6472-47-8	30%	0.00596%
			Polyacrylamide-co acrylic acid	9003-06-9	32%	0.00636%
			Water	7732-18-5	65%	0.00696%
			Alcohol Ethoxylate Surfactants	Trade Secret	8%	0.00159%
Plexsurf 240 E	Chemplex, LC	Surfactant	Methyl Alcohol	67-56-1	20%	0.01029%
			Alcohol Ethoxylate surfactants	Trade Secret	20%	0.01029%
			Water	7732-18-5	80%	0.04114%
15% Hydrochloric Acid	CNR	Acid	36% Hydrocloric Acid	7647-01-0	38%	0.0451%
			Water	7732-18-5	62%	0.07328%
			Guar-Gum	9000-30-0	50%	0.20323%
Plexgel 907 LE	PFP Technology	Polymer	Mineral Oil	64742-47-8	55%	0.22355%
			Bentonita Clay	14808-60-7	2%	0.00813%
			Surfactant	68439-51-0	2%	0.00813%
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: Sarah E Tisdale		Title: Regulatory Analyst		
Date: 8/9/2012						
E-mail Address: saraht@naguss.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.