

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. 30-025-40601				
		2. Well Name: LEO STATE #006				
		3. Well Number: 006				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:B Lot:B Section:18 Township:18S Range:35E Feet from:150 N/S Line:N Feet from:2140 E/W Line:E				
		5. Bottom Hole Location: Unit:B Lot:B Section:18 Township:18S Range:35E Feet from:150 N/S Line:N Feet from:2140 E/W Line:E				
		6. latitude: longitude: 32.7547235328828 - 103.495378794054				
		7. County: Lea				
8. Operator Name and Address: MACK ENERGY CORP PO Box 960 11344 Lovington Hwy Artesia 88211		9. OGRID: 13837		10. Phone Number: 575-748-1288		
11. Last Fracture Date: 9/21/2012 Frac Performed by: Elite Well Services LLC		12. Production Type: O				
13. Pool Code(s): 97930		14. Gross Fractured Interval: 8,422 ft to 8,764 ft				
15. True Vertical Depth (TVD): 9,495 ft		16. Total Volume of Fluid Pumped: 6,158 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	Water	7732-18-5	100%	79.82756%
Sand (Proppant)		Proppant	Silicon Dioxide	14808-60-7	100%	16.24733%
RCS (Proppant)		Proppant	Silicon Dioxide	14808-60-7	100%	2.41219%
Ammonium Persulfate	Chemplex LC	Gel Breaker	Ammonium Persulfate	7727-54-0	98%	0.00399%
Claymax	Chemplex, LC	Clay Stabilizer	Choline Chloride	67-48-1	62%	0.05315%
			Water	7732-18-5	38%	0.03258%
Ferriplex 66	Chemplex, LC	Iron Control	Acetic Acid	64-19-7	50%	0.00266%
			Citric Acid	77-92-9	30%	0.0016%
			Water	7732-18-5	35%	0.00187%
Greenhib 679	Chemplex LC	Scale Inhibitor	Glycerine	56-81-5	35%	0.04576%
			Trade Secret	Trade Secret	35%	0.04576%
			Water	7732-18-5	50%	0.06537%
Plexbor 101	Chemplex, LC	Crosslinker	Ethylene Glycol	107-21-1	9.99%	0.01197%
			Potassium Metaborate	13709-94-9	30%	0.03597%
			Potassium Hydroxide	1310-58-3	5%	0.006%
			Water	7732-18-5	75%	0.08993%
Plexbreak 150	Chemplex LC	Non Emlulsifier	Cocamide Diethanolamine Salt	68603-42-9	30%	0.02071%
			Diethanolamine	111-42-2	20%	0.0138%
			Methyl Alcohol	67-56-1	50%	0.03451%
			Trade Secret	Trade Secret	5%	0.00345%
Plexcide 24B	Chemplex, LC	Biocide	Tetrahydro-3, 5-Dimethyl-2H-1,3,5-Thiadiazine-2-Thione	533-73-2	24%	0.00764%
			Sodium Hydroxide	1310-73-2	12%	0.00382%
			Water	7732-18-5	72%	0.02291%
			Mannanase Enzymes	Trade Secret	2%	0.00139%
Plexgel Breaker 10L	Chemplex, LC	Gel Breaker	Sodium Chloride	7647-14-5	15%	0.01041%
			Water	7732-18-5	90%	0.06248%
			Methyl Alcohol	67-56-1	70%	0.00111%
Plexhib 256	Chemplex. LC	Corrosion Inhibitor	Propargyl Alcohol	107-19-7	8%	0.00013%
			Thiourea-Formaldehyde Copolymer	68527-49-1	30%	0.00048%
			Alcohol Ethoxylate Surfactants	Tade Secret	30%	0.00048%
			N-Olefins	Trade Secret	10%	0.00016%
			Secondary Alcohol Ethoxylate	84133-50-6	60%	0.01665%
Plexset 730	Chemplex, LC	Activator	Methyl Alcohol	67-56-1	50%	0.01388%
			Methyl Alcohol	67-56-1	20%	0.01553%
Plexsurf 240 E	Chemplex, LC	Surfactant	Alcohol Ethoxylate Surfactants	Trade Secret	20%	0.01553%
			Water	7732-18-5	80%	0.06211%
			36% Hydrochloric Acid	7647-01-0	38%	0.04219%
15% Hydrochloric Acid	CNR	Acid	Water	7732-18-5	62%	0.06884%
			Guar Gum	9000-30-0	50%	0.25206%
			Mineral Oil	64742-47-8	55%	0.27727%
Plexgel 907 LE	PFP Technology	Polymer	Bentonite Clay	14808-60-7	2%	0.01008%
			Surfactant	68439-51-0	2%	0.01008%
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: Deana Weaver		Title: Production Clerk		
Date: 10/4/2012						
E-mail Address: deanap@mackenergycorp.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.