

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. 30-005-29105				
		2. Well Name: SAM FEDERAL #004				
		3. Well Number: 004				
HYDRAULIC FRACTURING FLUID DISCLOSURE <input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment		4. Surface Hole Location: Unit:E Lot:E Section:28 Township:15S Range:30E Feet from:2285 N/S Line:N Feet from:380 E/W Line:W				
		5. Bottom Hole Location: Unit:E Lot:E Section:28 Township:15S Range:30E Feet from:2285 N/S Line:N Feet from:380 E/W Line:W				
		6. Latitude: longitude: 32.9879943245284 - 103.937486674838				
		7. County: Chaves				
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: 5/17/2012 Frac Performed by: Elite Well Services		12. Production Type: O				
13. Pool Code(s): 97247		14. Gross Fractured Interval: 3,675 ft to 3,725 ft				
15. True Vertical Depth (TVD): 13,091 ft		16. Total Volume of Fluid Pumped: 1,796 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%	0%
Sand (Proppant)		Proppant	Silicon Dioxide	14808-60-7	100%	0%
RCS (Proppant)		Proppant	Silicon Dioxide	14808-60-7	100%	0%
Plexset 730	Chemplex, L.C.	Activator	Secondary Alochol Ethoxylate	84133-50-6	60%	0%
			Methyl Alcohl	67-56-1	50%	0%
Plexcide	Chemplex, L.C.	Biocide	Tetrahydro-3, 5-Dimethyl-2H-1,3,5-thiadiazine-2-thione	533-73-2	24%	0%
			Sodium Chloride	1310-73-2	12%	0%
			Water	7732-18-5	72%	0%
PlexgelBreaker 10L	Chemplex, L.C.	Gel Breaker	Mannanase Enzymes		2%	0%
			Sodium Chloride	7647-14-5	15%	0%
			Water	7732-18-5	90%	0%
Plexbreak 150	Chemplex, L.C.	Non-Emulsifier	Cocamide Diethanolamine Salt	68603-42-9	30%	0%
			Diethanolamine	111-42-2	20%	0%
			Methyl Alcohol	67-56-1	50%	0%
Plexbor 101	Chemplex, L.C.	Crosslinker	Ethylene Glycol	107-21-1	9.99%	0%
			Potssium Metaborate	13709-94-9	30%	0%
			Potssium Hydroxide	1310-58-3	5%	0%
			Water	7732-18-5	75%	0%
Greenhib 697	Chemplex, L.C.	Scale Inhibitor	Glycerine	56-81-5	35%	0%
			Trade Secert	Trade Secert	35%	0%
			Water	7732-18-5	50%	0%
Claymax	Chemplex, L.C.	Clay Stabalizer	Choline Chloride	67-48-1	62%	0%
			Water	7732-18-5	38%	0%
Ammonium Perdulfate	Chemplex, L.C.	Gel Breaker	Ammonium Persulfate	7727-54-0	98%	0%
Plexst 907-LEB	Chemplex, L.C.	Gelling Agent	Hydrotreated Petroleum Light Distillate	64742-47-8	50%	0%
			Propylene Pentamer	15220-87-8	50%	0%
			C-11 to C-14 n-alkanes, mixed	1120-21-4, 11-40-3, 629-50-5, 629-59-4,67	50%	0%
			Organophylic Clay	68593-58-2	2%	0%
			Crystalline Silica	14808-60-7	2%	0%
			Alcohol Ethoxylate	Trade Secret	1%	0%
			Methyl Alcohol	67-56-1	1%	0%
			Guar Gum	9000-30-0	48%	0%
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: 6/12/2012						
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.