

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 November 6, 2013				
		1. WELL API NO: 30-025-40338				
		2. Well Name: BROOK FEDERAL #003				
		3. Well Number: 003				
HYDRAULIC FRACTURING FLUID DISCLOSURE <input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment		4. Surface Hole Location: Unit:A Lot:A Section:30 Township:17S Range:32E Feet from:785 N/S Line:N Feet from:10 E/W Line:E				
		5. Bottom Hole Location: Unit:A Lot:A Section:30 Township:17S Range:32E Feet from:785 N/S Line:N Feet from:10 E/W Line:E				
		6. Istitude: longitude: 32.8106956 -103.7972565				
		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: 8/3/2015 Frac Performed by: Elite Well Services		12. Production Type: O				
13. Pool Code(s): 44500		14. Gross Fractured Interval: 6,747 ft to 7,104 ft				
15. True Vertical Depth (TVD): 7,104 ft		16. Total Volume of Fluid Pumped: 504,672 gals				
17. Total Volume of Re-Use Water Pumped: N/A		18. Percent of Re-Use Water in Fluid Pumped: Not Disclosed				
19. 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	Customer	Carrier/Base Fluid	Water	7732-18-5	100%	92.87551%
Sand (Proppant)	US Silica	Proppant	Silica Substrate	14808-60-7	100%	5.88459%
RCS (Proppant)	Momentive	Proppant	Silica Substrate	14808-60-7	100%	0.6757%
Plexicide 24L	Chemplex	Biocide	Tetrahydro-3 Dimethyl- 2H	533-74-7	24%	0.00645%
Plexset 730	Chemplex	Activator	Secondary Alcohol Ethoxylate	84133-50-6	50%	0.00637%
Plexslick 953	Chemplex	Friction Reducer	Alcohol Ethoxylate Surfactants	Proprietary	8%	0.00276%
			Hydrotreated Petroleum Distillate	64742-47-8	30%	0.01036%
			Polyacrylamide_Co- Acrylic Acid	9003-06-9	32%	0.01105%
Plexgel 907 LE	Chemplex	Poylmer	Guar Gum	9000-30-0	50%	0.1971%
			Mineral Oil	64742-47-8	55%	0.21681%
			Bentonite Clay	14808-60-7	2%	0.00788%
			Surfactant	68439-51-0	2%	0.00788%
Plexgel Breaker 10L	Chemplex	Gel Breaker	Mannanase Enzymes	Proprietary	2%	0.0002%
			Sodium Chloride	7647-14-5	15%	0.00153%
Sodium Persulfate	Chemplex	Gel Breaker	Sodium Persulfate	7775-27-1	98%	0.00227%
Greenhib 679	Chemplex	Scale Inhibitor	Glycerine	56-81-5	35%	0.00659%
			Proprietary	Proprietary	35%	0.00659%
			Water	7732-18-5	30%	0.00565%
Plexsurf 240E	Chemplex, LC	Surfactant	Methyl Alcohol	67-56-1	20%	0.0129%
			Alcohol Alkoxylate	Proprietary	20%	0.0129%
20. 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: 8/4/2015						
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.