

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: 30-025-40652				
		2. Well Name: UTAH STATE #001				
		3. Well Number: 001				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:K Lot:K Section:13 Township:18S Range:36E Feet from:2310 N/S Line:S Feet from:2310 E/W Line:W				
		5. Bottom Hole Location: Unit:K Lot:K Section:13 Township:18S Range:36E Feet from:2310 N/S Line:S Feet from:2310 E/W Line:W				
		6. Iatitude: 32.7467622387161 longitude: - 103.308987208483				
		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: 1/28/2013 Frac Performed by: Elite Well Services LLC		12. Production Type: O				
13. Pool Code(s): 97951		14. Gross Fractured Interval: 8,292 ft to 8,416 ft				
15. True Vertical Depth (TVD): 9,320 ft		16. Total Volume of Fluid Pumped: 4,816 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%	85.14426%
Sand (Proppant)		Proppant	Silicon Dioxide	14808-60-7	100%	10.56083%
RCS (Proppant)		Proppant	Silicon Dioxide	14808-60-7	100%	2.77699%
AMA-398	Chemplex, LC	Biocide	Tetrahydro-3,5-Dimethyl-2H-1,3,5-Thiadiazine-2-Thione	533-74-4	98%	0.01705%
Ammonium Persulfate	Chemplex, LC	Gel Breaker	Ammonium Persulfate	7727-54-0	98%	0.00544%
Claymax	Chemplex, LC	Clay Stabalizer	Choline Chlorine	67-48-1	62%	0.0521%
Ferriplex 66	Chemplex, LC	Iron Control	Water	7732-18-5	38%	0.03193%
			Acetic Acid	64-19-7	50%	0.00303%
			Citric Acid	77-92-9	30%	0.00182%
Greenhib 679	Chemplex, LC	Scale Inhibitor	Water	7732-18-5	35%	0.00212%
			Glycerine	56-81-5	35%	0.05596%
			Trade Secret	Trade Secret	35%	0.05596%
Plexbor 101	Chemplex LC	Crosslinker	Water	7732-18-5	50%	0.07995%
			Ethylene Glycol	107-21-1	9.99%	0.012%
			Potassium Metaborate	13709-94-9	30%	0.03605%
			Potassium Hydroxide	1310-58-3	5%	0.00601%
Plexbreaker 150	Chemplex, LC	Non-Emulsifier	Water	7732-18-5	75%	0.09013%
			Cocamide	68603-42-9	30%	0.04684%
			Diethanolamine Salt			
			Diethanolamine	111-42-2	20%	0.03123%
Plexgel Breaker 10L	Chemplex, LC	Gel Breaker	Methyl Alcohol	67-56-1	50%	0.07806%
			Trade Secret	Trade Secret	5%	0.00781%
			Mannanase Enzymes	Trade Secret	2%	0.00095%
			Sodium Chloride	7647-14-5	15%	0.0071%
Plexhib 256	Chemplex, LC	Corrosion Inhibitor	Water	7732-18-5	90%	0.04261%
			Methyl Alcohol	67-56-1	70%	0.00126%
			Propargyl Alcohol	107-19-7	8%	0.00014%
			Thiourea-Formaldehyde Copolymer	68527-49-1	30%	0.00054%
			Alcohol Ethoxylate Surfactants	Trade Secret	30%	0.00054%
Plexset 730	Chemplex LC	Activator	N-Olefins	Trade Secret	10%	0.00018%
			Secondary Alcohol Ethoxylate	84133-50-6	60%	0.01976%
Plexsurf 240E	Chemplex, LC	Surfactant	Methyl Alcohol	67-56-1	50%	0.01647%
			Methyl Alcohol	67-56-1	20%	0.01047%
15% Hydrochloric Acid	CNR	Acid	Alcohol Ethoxylate Surfactants	Trade secret	20%	0.01047%
			Water	7732-18-5	80%	0.04186%
			36% Hydrochloric Acid	7647-01-0	38%	0.04833%
Plexgel 907 LE	PFP Technology	Polymer	Water	7732-18-5	62%	0.07886%
			Guar Gum	9000-30-0	50%	0.25201%
			Mineral Oil	64742-47-8	55%	0.27721%
			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: 1/29/2013						
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.						