

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: 30-025-40533				
		2. Well Name: BLACK JACK STATE #001				
		3. Well Number: 001				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit: I Lot: I Section: 18 Township: 18S Range: 35E Feet from: 2285 N/S Line: S Feet from: 330 E/W Line: E				
		5. Bottom Hole Location: Unit: I Lot: I Section: 18 Township: 18S Range: 35E Feet from: 2285 N/S Line: S Feet from: 330 E/W Line: E				
		6. Latitude: 32.7468516981281 Longitude: - 103.48940630098				
		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: 11/28/2012 Frac Performed by: Elite Well Service LLC				12. Production Type: O		
13. Pool Code(s): 97930				14. Gross Fractured Interval: 8,896 ft to 9,517 ft		
15. True Vertical Depth (TVD): 10,103 ft				16. Total Volume of Fluid Pumped: 8,979 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%	84.40441%
Sand (Proppant)		Proppant	Silicon Dioxide	14808-60-7	100%	11.7908%
RCS (Proppant)		Proppant	Silicon Dioxide	14808-60-7	100%	2.73872%
AMA-398	Chemplex, LC	Biocide	Tetrahydro-3, 5-Dimethyl-2H, 1,3,5-Thiadiazine-2-Thione	533-74-4	98%	0.0279%
Ammonium Persulfate	Chemplex, LC	Gel Breaker	Ammonium Persulfate	7727-54-0	98%	0.00434%
Claymax	Chemplex, LC	Clay Stabilizer	Choline Chloride	67-48-1	62%	0.05811%
Ferriplex 66	Chemplex, LC	Iron Control	Water	7732-18-5	38%	0.03562%
			Acetic Acid	64-19-7	50%	0.00322%
			Citric Acid	77-92-9	30%	0.00193%
Greenhib 679	Chemplex, LC	Scale Inhibitor	Water	7732-18-5	35%	0.00225%
			Glycerine	56-81-5	35%	0.04499%
			Trade Secret	Trade Secret	35%	0.04499%
Plexbor 101	Chemplex LC	Crosslinker	Water	7732-18-5	50%	0.06428%
			Ethylene Glycol	107-21-1	9.99%	0.01133%
			Potassium Metaborate	13709-94-9	30%	0.03405%
Plexbreak 150	Chemplex, LC	Non-Emulsifer	Potassium Hydroxide	1310-58-3	5%	0.00568%
			Water	7732-18-5	75%	0.08513%
			Cocamide Diethanolamine Salt	68603-42-9	30%	0.02135%
Plexgel Breaker 10L	Chemplex LC	Gel Breaker	Diethanolamine	111-42-2	20%	0.01423%
			Methyl Alcohol	67-56-1	50%	0.03558%
			Trade Secret	Trade Secret	5%	0.00356%
Plexhib 256	Chemplex, LC	Corrosion Inhibitor	Mannanase Enzymes	Trade Secret	2%	0.00101%
			Sodium Chloride	7647-14-5	15%	0.00755%
			Water	7732-18-5	90%	0.04531%
Plexset 730	Chemplex, LC	Activator	Methyl Alcohol	67-56-1	70%	0.00134%
			Propargyl Alcohol	107-19-7	8%	0.00015%
			Thiourea-Formalfehyde Copolymer	68527-49-1	30%	0.00058%
Plexsurf 240 E	Chemplex LC	Surfactant	Alcohol Ethoxylate Surfactants	Trade Secret	30%	0.00058%
			N-Olefins	Trade Secret	10%	0.00019%
			Secondary Alcohol Ethoxylate	84133-50-6	60%	0.01739%
15% Hydrochloric Acid	CNR	Acid	Methyl Alcohol	67-56-1	50%	0.01449%
			Methyl Alcohol	67-56-1	20%	0.02209%
			Alcohol Ethoxylate Surfactants	Trade Secret	20%	0.02209%
Plexgel 907 LE	PFP Technology	Polymer	Water	7732-18-5	80%	0.08834%
			36% Hydrochloric Acid	7647-01-0	38%	0.05696%
			Water	7732-18-5	62%	0.09294%
			Guar Gum	9000-30-0	50%	0%
			Mineral Oil	64742-47-8	55%	0%
			Bentonite Clay	14808-60-7	2%	0%
			Surfactant	68439-51-0	2%	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: 12/6/2012						
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.						