

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: 30-015-39103				
		2. Well Name: RAZORBACK FEDERAL #001H				
		3. Well Number: 001H				
HYDRAULIC FRACTURING FLUID DISCLOSURE <input checked="" type="checkbox"/> Original <input type="checkbox"/> Amended		4. Surface Hole Location: Unit:D Lot:4 Section:3 Township:18S Range:31E Feet from:710 N/S Line:N Feet from:660 E/W Line:W				
		5. Bottom Hole Location: Unit:D Lot:4 Section:3 Township:18S Range:31E Feet from:710 N/S Line:N Feet from:660 E/W Line:W				
		6. latitude: longitude: 32.7818927231702 - 103.863849722101				
		7. County: Eddy				
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: 3/26/2012 Frac Performed by: Cudd		12. Production Type: O				
13. Pool Code(s): 58060		14. Gross Fractured Interval: 4,530 ft to 5,632 ft				
15. True Vertical Depth (TVD): 5,692 ft		16. Total Volume of Fluid Pumped: 10,928 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%	81.8571%
Sand (Proppant)		Proppant	Silicon Dioxide	14808-60-7	100%	11.77917%
RCS (Proppant)					100%	2.904%
B-15	Water Science Tech	Biocide	Tetakis (hydroxymethyl) Phosphonium Sulfate	55566-30-8	20%	0.0021%
			Water	7732-18-5	80%	0.00838%
BF-200	Ask	Buffer	Potassium Hydroxide	1310-58-3	25%	0.02582%
			Water	7732-18-5	80%	0.08264%
CS-14	Chmplex, L.C.	Clay Control	Non-Hazardous Salt (Choline)	Proprietary	66%	0.02919%
			Water	7732-18-5	45%	0.0199%
15% Hydrochloric Acid	Reagent	Scale Dissolver	36% Hydrochloric Acid	7647-01-0	15%	0.35644%
			Water	7732-18-5	85%	2.0198%
I-122	Chemplex, L.C.	Acid Corrosion Inhibitor	Methonol	67-56-1	40%	0.00079%
			Propargly Alcohol	107-19-7	8%	0.00016%
SG-15G	PIP Technology	polymer	Guar Gum	9000-30-0	50%	0.28473%
			Petroleum Distillate (Mineral Oil)	64742-47-8	55%	0.31321%
			Bentonite Clay	14808-60-7	2%	0.01139%
			Surfactant	68439-51-0	2%	0.01139%
CX-10	Benchmark	Crosslinker	Sodium Borate Decahydrate	1303-96-4	29.9%	0.02681%
			Water	7732-18-5	69.1%	0.06195%
GB-2	Fritz Industries, Inc	Breaker	Ammonium Persulfate	7727-54-0	99.9%	0.00876%
GB-150	Chemplex, L.C.	Breaker	Non-Hazardous Ingredients	NA	10%	0.00613%
NE-212	Chemplex, L.C.	Non-Emulsifier	Isopropanol	67-63-0	5%	0.0001%
			Methanol	67-56-1	50%	0.001%
			Alkyl Quaternary Ammonium Chlorides	Mixture	25%	0.0005%
			Diethanolamine	111422	2%	4E-05%
FE-360	Chemplex, L.C.	Iron Control Additive	Cupric Chloride Dihdrate	10125-13-0	7%	0.00052%
			Thioglycol	60-24-2	80%	0.00592%
SI-625	Keitech	Scale Inhibitor	Methanol	67-56-1	19.9%	0.02969%
Superset W	Santrol	Resin Activator	Methanol	67-56-1	50%	0.01784%
			Poly (oxyethylene) Nonyphenol Ether	9016-45-9	54%	0.01927%
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: 4/11/2012						
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.