

Submit within 45 days of well completion	<div>State of New Mexico</div> <div>Energy, Minerals and Natural Resources</div> <div>Oil Conservation Division</div> <div>1220 S. St Francis Dr.</div> <div>Santa Fe, NM 87505</div>	Revised November 6, 2013				
		1. WELL API NO: 30-015-36118				
		2. Well Name: BLACK CAT FEDERAL #002				
		3. Well Number: 002				
<div>HYDRAULIC FRACTURING FLUID DISCLOSURE</div> <div><input checked="" type="checkbox"/> Original</div> <div><input type="checkbox"/> Amendment</div>	4. Surface Hole Location: Unit:N Lot:N Section:14 Township:17S Range:28E Feet from:990 N/S Line:S Feet from:2310 E/W Line:W					
	5. Bottom Hole Location: Unit:N Lot:N Section:14 Township:17S Range:28E Feet from:990 N/S Line:S Feet from:2310 E/W Line:W					
	6. latitude: 32.8305425954939 longitude: - 104.147745353413					
	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: 11/14/2013 Frac Performed by: Elite Well Services, LLC		12. Production Type: O				
13. Pool Code(s): 96210		14. Gross Fractured Interval: 3,647 ft to 5,028 ft				
15. True Vertical Depth (TVD): 5,185 ft		16. Total Volume of Fluid Pumped: 48,973 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		Carrier Base Fluid	Water	7732-18-5	100%	91.67213%
Sand (Proppant)		Proppant	Silicon Dioxide	14808-60-7	100%	3.43704%
Ferriplex 66	Chemplex, LC	Iron Control	Acetic Acid	64-19-7	50%	0.00026%
			Citric Acid	77-92-9	30%	0.00015%
			Water	7732-18-5	35%	0.00018%
Greenhib 679	Chemplex, LC	Scale Inhibitor	Glycerine	56-81-5	35%	0.01808%
			Trade Secret	Trade Secret	35%	0.01808%
			Water	7732-18-5	50%	0.02583%
Plexbreak 150	Chemplex, LC	Non-Emulsifier	Cocamide	68603-42-9	30%	2E-05%
			Diethanolamine Salt			
			Diethanolamine	111-42-2	20%	2E-05%
			Methyl Alcohol	67-56-1	50%	4E-05%
Plexcide 24B	Chemplex, LC	Biocide	Trade Secret	Trade Secret	5%	0%
			Tetrahydro-3,5-Dimethyl-2H, 1,3,5-Thiadiazine-2-Thione	533-73-2	24%	0.00343%
			Sodium Hydroxide	1310-73-2	12%	0.00172%
			Water	7732-18-5	72%	0.0103%
Plexhib 256	Chemplex, LC	Corrosion Inhibitor	Methyl Alcohol	67-56-1	70%	0.00011%
			Propargyl Alcohol	107-19-7	8%	1E-05%
			Thiourea-Formaldehyde Copolymer	68527-49-1	30%	5E-05%
			Alcohol Ethoxylate Surfactants	Trade Secret	30%	5E-05%
			N-Olefins	Trade Secret	10%	2E-05%
			Hydrotreated Petroleum Distillate	64742-47-8	30%	0.03735%
Plexslick 921 E	Chemplex, LC	Friction Reducer	Polyacrylamide co acrylic acid	9003-06-9	32%	0.03984%
			Water	7732-18-5	35%	0.04358%
			Alcohol Ethoxylate Surfactants	Trade Secret	8%	0.00996%
			Methyl Alcohol	67-56-1	20%	2E-05%
Plexsurf 240 E	Chemplex, LC	Surfactant	Alcohol Ethoxylate Surfactants	Trade Secret	20%	2E-05%
			Water	7732-18-5	80%	7E-05%
			36% Hydrochloric Acid	7647-01-0	38%	0.00406%
15% Hydrochloric Acid	CNR	Acid	Water	7732-18-5	62%	0.00663%
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: 11/18/2013						
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.