

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: 30-025-30606					
		2. Well Name: FEDERAL AF #002					
		3. Well Number: 002					
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:N Lot:N Section:8 Township:18S Range:32E Feet from:560 N/S Line:S Feet from:1880 E/W Line:W					
		5. Bottom Hole Location: Unit:N Lot:N Section:8 Township:18S Range:32E Feet from:560 N/S Line:S Feet from:1880 E/W Line:W					
		6. Latitude: 32.7563458170624 Longitude: - 103.791015518829					
		7. County: Lea					
8. Operator Name and Address: NADEL AND GUSSMAN HEYCO, LLC PO BOX 1933 ROSWELL 88202				9. OGRID: 258462		10. Phone Number: 575-623-6601	
11. Last Fracture Date: 10/15/2012 Frac Performed by: Elite Well Services, LLC				12. Production Type: O			
13. Pool Code(s): 65355				14. Gross Fractured Interval: 4,950 ft to 4,979 ft			
15. True Vertical Depth (TVD): 10,800 ft				16. Total Volume of Fluid Pumped: 1,301 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%	74.68884%	
Sand		Proppant	Silicon Dioxide	14808-60-7	100%	12.64606%	
RCS		Proppant	Silicon Dioxide	14808-60-7	100%	4.27108%	
AMA-398	Chemplex, LC	Biocide	tetrahydro-3,5-Dimethyl-2H-1,3,5-thiadiazine-2-thione	533-74-4	98%	0.01704%	
Ammonium Persulfate	Chemplex, LC	Gel Breaker	Ammonium Persulfate	7727-54-0	98%	0.00803%	
Claymax	Chemplex, LC	Clay Stabalizer	Choline Chloride	67-48-1	62%	0.05057%	
Greenhib 679	Chemplex, LC	Scale Inhibitor	Water	7732-18-5	38%	0.03099%	
			Glycerine	56-81-5	35%	0.06058%	
			Trade Secret	Trade Secret	35%	0.06058%	
			Water	7732-18-5	50%	0.08654%	
Plexbor 101	Chemplex, LC	Crosslinker	Ethylene Glycol	107-21-1	9.99%	0.00996%	
			Potssium Metaborate	13709-94-9	30%	0.02994%	
			Potassium Hydroxide	1310-58-3	5%	0.00499%	
			Water	7732-18-5	75%	0.07484%	
Plexbreak 150	Chemplex, LC	Non-Emulsifier	Cocamide Diethanolamine Salt	68603-42-9	30%	0.01989%	
			Diethanolamine	111-42-2	20%	0.01326%	
			Methyl Alcohol	67-56-1	50%	0.03314%	
			Trade Secret	Trade Secret	5%	0.00331%	
Plexgel Breaker 10L	Chemplex, LC	Gel Breaker	Mannanase Enzymes	Trade Secret	2%	0.00154%	
			Sodium Chloride	7647-14-5	15%	0.01153%	
			Water	7732-18-5	90%	0.06918%	
			Plexset 730	Chemplex, LC	Activator	Secondary Alcohol Ethoxylate	84133-50-6
Plexsurf 240E	Chemplex, LC	Surfactant	Methyl Alcohol	67-56-1	50%	0.0209%	
			Alcohol Ethoxylate surfactants	Trade Secret	20%	0.01434%	
			Water	7732-18-5	80%	0.05735%	
Plexgel 907 LE	PFP Technology	Polymer	Guar Gum	9000-30-0	50%	0.23129%	
			Mineral Oil	64742-47-8	55%	0.25442%	
			Bentonite Clay	14808-60-7	2%	0.00925%	
			Surfactant	68439-51-0	2%	0.00925%	
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: Tammy Link Title: _____							
Date: 2/12/2013							
E-mail Address: tlink@heycoenergy.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.							