

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: 30-015-40630				
		2. Well Name: MAPLE LEAF #001H				
		3. Well Number: 001H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☐ Original ☒ Amends disclosure submitted on 2/13/2013		4. Surface Hole Location: Unit:D Lot:D Section:10 Township:18S Range:26E Feet from:160 N/S Line:N Feet from:965 E/W Line:W				
		5. Bottom Hole Location: Unit:D Lot:D Section:10 Township:18S Range:26E Feet from:160 N/S Line:N Feet from:965 E/W Line:W				
		6. latitude: longitude: 32.7693090814158 - 104.375030461541				
		7. County: Eddy				
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: 12/11/2012 Frac Performed by: GO Frac		12. Production Type: O				
13. Pool Code(s): 3250		14. Gross Fractured Interval: 2,943 ft to 5,791 ft				
15. True Vertical Depth (TVD): 3,470 ft		16. Total Volume of Fluid Pumped: 32,708 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)
Freshwater		water	Water	7732-18-5	100%	99.57295%
Hydrochloric Acid	Regant Chemical		Hydrochloric Acid	7647-01-0	15%	0.00424%
100 Mesh Sand	Santrol		Sand		100%	0.04339%
20/40 Sand	Santrol		Sand		100%	0.35249%
Ammonium Persulfate	Chemplex LC		Ammonium Persulfate	7727-54-0	100%	0.00028%
Ferriplex 66	Chemplex LC		Acetic Acid	64-19-7	50%	5E-05%
			Citric Acid	77-92-9	30%	3E-05%
			Water	7732-18-5	35%	3E-05%
Plexaid 673	Chemplex LC		Methyl Alcohol	67-56-1	25%	6E-05%
			Sodium Salt of Phosphonodimethylated Diamine	Trade Secret	5%	1E-05%
			Water	7732-18-5	85%	0.00022%
Plexbor 101	Chemplex LC		Ethylene Glycol	107-21-1	10%	4E-05%
			Potassium Hydroxide	1310-58-3	5%	2E-05%
			Potssium Metaborate	13709-94-9	30%	0.00013%
			Water	7732-18-5	75%	0.00033%
Plexbreak 145	Chemplex LC		Cocamide	68603-42-9	10%	0.00021%
			Diethanolamine Salt			
			Diethanolamine	111-42-2	5%	0.0001%
			Ethylene Glycol	111-76-2	15%	0.00031%
			Monobutyl Ether			
			Methyl Alcohol	67-56-1	15%	0.00031%
			Water	732-18-5	66%	0.00135%
Plexcide P-5	Chemplex, LC		Methyl Alcohol	67-56-1	20%	0.00011%
			Tributyl tetradecyl phosphonium chloride	81741-28-8	5%	3E-05%
			Water	7732-18-5	75%	0.00042%
Beta M 4.0	Chemplex, LC		Distillate, petroleum, hydrotreated light	64742-47-8	50%	0.00566%
			Propylene Pentamer	15220-87-8	50%	0.00566%
			C-11 to C-14 n-alkanes, mixed	1120-21-4,112-40-3,629-50-5,629-59-4,67-56-1	50%	0.00566%
			Organophylic Clay	68593-58-2	2%	0.00023%
			Crystalline Silica	14808-60-7	0%	0%
			Guar Gum	9000-30-0	48%	0.00543%
			Alcohol Ethoxylate	Trade Secret	1%	0.00011%
			Methyl Alcohol	67-56-1	1%	0.00011%
Claymax	PIP		Choline Chloride	67-48-1	62%	0.00095%
Sodium Persulfate	Chemplex		Sodium Persulfate	7775-27-1	100%	0%
Plexhib 256	Chemplex		Alcohol Ethoxylate Surfactants	Trade Secret	30%	2E-05%
			Methyl Alcohol	67-56-1	70%	5E-05%
			n-olefins	Trade Secret	10%	1E-05%
			Propargyl Alcohol	107-19-7	8%	1E-05%
			thiourea-formaldehyde copolymer	68527-49-1	30%	2E-05%
Plexgel Breaker 10L	Chemplex		Mannanase Enzymes	Trade Secret	2%	0%
			Sodium Chloride	7647-14-5	15%	3E-05%
			Water	7732-18-5	90%	0.00016%
Plexaid 412	Chemplex, LC		Methyl Alcohol	67-56-1	16%	0.0003%
			Triethanolamine	102-71-6	54%	0.00101%
			Water	7732-18-5	3%	6E-05%
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: 2/14/2013						
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.						