

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. 30-015-38504					
		2. Well Name: ROCK ISLAND 16 STATE #002H					
		3. Well Number: 002H					
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amended		4. Surface Hole Location: Unit:D Lot:D Section:16 Township:18S Range:26E Feet from:510 N/S Line:N Feet from:330 E/W Line:W					
		5. Bottom Hole Location: Unit:A Lot:D Section:16 Township:18S Range:26E Feet from:510 N/S Line:N Feet from:330 E/W Line:E					
		6. latitude: longitude: 32.7538394337019 - 104.394431151636					
		7. County: Eddy					
8. Operator Name and Address: NADEL AND GUSSMAN HEYCO, LLC PO BOX 193 ROSWELL 88202				9. OGRID: 258462		10. Phone Number: 575-623-6601	
11. Last Fracture Date: 3/27/2012 Frac Performed by: Cudd				12. Production Type: O			
13. Pool Code(s): 3250				14. Gross Fractured Interval: 3,097 ft to 6,889 ft			
15. True Vertical Depth (TVD): 2,630 ft				16. Total Volume of Fluid Pumped: 68,532 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%	94.06757%	
sand		proppant	silicon dioxide	14808-60-7	100%	4.69751%	
B-15	Water Science Tech	Biocide	Tetrakis phosphonium sulfate	55566-30-8	20%	0.00216%	
AGA-380	Chemplex, LC	Acid gellant	Acetic acid	64-19-7	1%	1E-07%	
			sodium bisulphate	7631-90-5	64%	0.00022%	
			petroleum distillate	64742-47-8	30%	0.00012%	
FR-601	SNF	Friction Reducer	copolymer of acrylamide and sodium acrylate	25987-30-8	10%	0.00333%	
			isoparaffinic solvent	64742-47-8	10%	0.00333%	
			water	7732-18-5	10%	0.00333%	
			nonylphenol	9016-45-9	10%	0.00333%	
			sorbitan monooleate	1338-43-8	10%	0.00333%	
CS-14	Chemplex, LC	Clay Control	non hazardous salts	proprietary	66%	0.04185%	
			water	7732-18-5	45%	0.02853%	
15% hydrochloric acid	reagent	scale disolver	36% hydrochloric acid	7647-01-0	15%	0.10859%	
			water	7732-18-5	85%	0.60402%	
I-222	Chemplex, LC	Acid corrosion inhibitor	ethanol	67-56-1	40%	0.00023%	
			propargyl alcohol	107-19-7	8%	5E-05%	
SG-15	pfp technology	polymer	guar gum	9000-30-0	50%	0.07823%	
			mineral oil	64742-47-8	55%	0.08605%	
			bentonite clay	14808-60-7	2%	0.00313%	
			surfactant	68439-51-0	2%	0.00313%	
EGB-16LT	Fritz Industries, INC	Breaker	ammonium persulfate	7727-54-0	99.9%	0.04403%	
			Silica	14808-60-7	10%	0.00441%	
NE-212	Chemplex, LC	Non-emulsifier	isopropanol	67-63-0	5%	6E-05%	
			methanol	67-56-1	50%	0.00057%	
			alkyl quaternary ammonium chloride	mixture	25%	0.00029%	
			diethanolamine	111422	2%	2E-05%	
NE-227	CESI	Non-emulsifier	isopropanol	67-63-0	15%	0.0134%	
			methanol	67-56-1	15%	0.0134%	
			ethoxylated nonylpheno	9016-45-9	20%	0.01787%	
FE-360	Chemplex, LC	Iron control additive	cupric chloride dihydrate	10125-13-0	7%	0.00025%	
			thioglycol	60-24-2	80%	0.00291%	
SI-625	Keltech	scale inhibitor	methanol	67-56-1	19.9%	0.01362%	
S-222	Chemplex, LC	Flouro Surfactant	methanol	67-56-1	10%	0.00528%	
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: JJ McGlasson Title: Production Supervisor							
Date: 4/17/2012							
E-mail Address: jmcglasson@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.