

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 November 6, 2013				
		1. WELL API NO: 30-015-42187				
		2. Well Name: KYLE 34 FEDERAL #002H				
		3. Well Number: 002H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:M Lot:M Section:34 Township:24S Range:28E Feet from:330 N/S Line:S Feet from:330 E/W Line:W				
		5. Bottom Hole Location: Unit:M Lot:M Section:34 Township:24S Range:28E Feet from:330 N/S Line:S Feet from:330 E/W Line:W				
		6. latitude: longitude: 32.1674511782088 -104.082712132511				
		7. County: Eddy				
8. Operator Name and Address: NADEL AND GUSSMAN PERMIAN, LLC 601 N MARIENFELD SUITE 508 MIDLAND 79701		9. OGRID: 155615	10. Phone Number:			
11. Last Fracture Date: 8/11/2014 Frac Performed by: Cudd Energy Services		12. Production Type: O				
13. Pool Code(s): 64450		14. Gross Fractured Interval: 8,660 ft to 12,740 ft				
15. True Vertical Depth (TVD): 8,250 ft		16. Total Volume of Fluid Pumped: 2,703,456 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	Operator	Base Carrier Fluid	Water	7732-18-5	100%	81.63488%
Sand	Multiple Suppliers	Proppants	Silicon Dioxide	14808-60-7	100%	11.67435%
OilPlus 20/40	Momentive Specialty Chemicals, Inc.	Proppants	Quartz (SiO2)	14808-60-7	100%	3.81934%
15% Hydrochloric Acid	Reagent	Scale Dissolver	Water	7732-18-5	85%	1.7069%
			36% Hydrochloric Acid	7647-01-0	15%	0.30122%
SG-15G	PiP Technology	Gelling Agents	Petroleum Distillate (Mineral Oil)	64742-47-8	55%	0.23906%
			Guar Gum	9000-30-0	50%	0.21733%
			Bentonite Clay	14808-60-7	2%	0.00869%
			Surfactant	68439-51-0	2%	0.00869%
XL-335	ASK	Crosslinkers	Proprietary	Proprietary	25%	0.0247%
			Potassium Hydroxide	1310-58-3	25%	0.0247%
			Ethylene Glycol	107-21-1	25%	0.0247%
			Proprietary	Proprietary	15%	0.01482%
BF-200	ASK	Buffers / PH Control	Proprietary	Proprietary	10%	0.00988%
			Water	7732-18-5	80%	0.07045%
			Potassium Hydroxide	1310-58-3	25%	0.02202%
			Citrus Terpenes	94266-47-4	30%	0.02872%
StimOil FBA M	CESI Chemical	Surfactants	Isopropanol	67-63-0	30%	0.02872%
CS-135	Chemplex	Clay Control / Stabilizers	Polycationic Organic Polymer	Proprietary	50%	0.04508%
			Water	7732-18-5	0.5%	0.00045%
AcTivator TV3158/2.5M#	Momentive Specialty Chemicals, Inc.	Surfactants	Alcohols, C-12-14-secondary, ethoxylated	84133-50-6	70%	0.0157%
			Methanol	67-56-1	50%	0.01122%
			Polyethylene Glycol	25322-68-3	5%	0.00112%
			Water	7732-18-5	55%	0.00608%
FE-4	Chemplex, L.C.	Iron Controller / Reducers	Citric Acid Anhydrous	77-92-9	55%	0.00608%
			Water	7732-18-5	90%	0.00809%
GB-150	Chemplex, L.C.	Gel Breakers / Delayed Breakers	Sodium Chloride	7647-14-5	15%	0.00135%
			Mannanase	Proprietary	2%	0.00018%
			Enzymes			
EGB-16HT	CESI Chemical	Gel Breakers / Delayed Breakers	Ammonium Persulfate	7727-54-0	100%	0.00464%
			Silica, Crystalline-Quartz	14808-607	15%	0.0007%
I-122	Chemplex, L.C.	Acid Corroision Inhibitors	Methanol	67-56-1	70%	0.00225%
			Alcohol Ethoxylate Surfactants	Proprietary	30%	0.00096%
			thiourea-formaldehyde copolymer	68527-49-1	30%	0.00096%
			n-olefins	proprietary	10%	0.00032%
			propargyl alcohol	107-19-7	8%	0.00026%
			water	7732-18-5	35%	0.00121%
FR-620	Chemplex	Friction Reducers	Cationic Polyacrylamide copolymer	proprietary		
			water	7732-18-5	35%	0.00121%
			Petroleum Distillate	64742-47-8	30%	0.00104%
			Alcohol Ethoxylate Surfactants	Proprietary	8%	0.00028%
			Sodium Chloride	7647-14-5	2%	7E-05%
			Ethoxylated Nonylphenol	9016-45-9	20%	0.00036%
NE-227	CESI	Non and De-Emulsifiers	Methanol	67-56-1	15%	0.00027%
			Isopropanol	67-63-0	15%	0.00027%
			Ammonium Persulfate	7727-54-0	100%	0.00028%
GB-2	Fritz Industries, Inc.	Gel Breakers / Delayed Breakers				
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: Sarah Presley Title: Regulatory Analyst						
Date: 10/29/2014						
E-mail Address: spresley@naguss.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.