

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: 30-025-41927				
		2. Well Name: SUN MCKAY FEDERAL #003H				
		3. Well Number: 003H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:C Lot:C Section:10 Township:19S Range:32E Feet from:330 N/S Line:N Feet from:1980 E/W Line:W				
		5. Bottom Hole Location: Unit:C Lot: Section:10 Township:19S Range:32E Feet from:330 N/S Line:N Feet from:1980 E/W Line:W				
		6. Latitude: 32.6812515 Longitude: -103.7562485				
		7. County: Lea				
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: 9/30/2014 Frac Performed by: C&J Energy Services		12. Production Type: O				
13. Pool Code(s): 41442		14. Gross Fractured Interval: 8,660 ft to 12,630 ft				
15. True Vertical Depth (TVD): 9,450 ft		16. Total Volume of Fluid Pumped: 26,123,369 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	APC	Carrier/Base Fluid	Water	7732-18-5	100%	81.8481734%
Sand (Proppant)	PMI	Proppant	Silica Quarts	14808-60-7	100%	15.2384631%
Hydrochloric Acid (15%)	CJES	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.2754998%
GFP-912	Blue Ribbon Technology	Guar Slurry - Water thickener	Petroleum Distillate	64742-47-8	60%	0.2817914%
			Proprietary non-hazardous components	Proprietary	60%	0.2817914%
FR-1B	Blue Ribbon	Friction Reducer	Petroleum Distillate hydrated light	64742-47-8	28%	0.0019141%
			Ammonium Chloride	12125-02-9	13%	0.0008887%
			C12-C14 Alcohol ethoxylate	68439-50-9	3.1%	0.0002119%
			Alcohol (C-12-C16), ethoxylated	68551-12-2	3.1%	0.0002119%
			Alcohols (C10-16), ethoxylated	68002-97-1	3.1%	0.0002119%
SU-15	Blue Ribbon Technology	Surfactant and flowback aid	Alcohols C9-C11	68439-46-3	25%	0.0206769%
pH-29B	Blue Ribbon Technology	High pH buffer	Water	7732-18-5	75%	0.0620307%
			sodium hydroxide	1310-73-2	35%	0.0104081%
XL-3	Economy	Borate Crosslink Accelerator	Potassium Metaborate	16481-66-6	50%	0.0464394%
			Potassium Hydroxide	1310-73-2	25%	0.0232197%
			Ethylene Glycol	107-21-1	25%	0.0232197%
XL-7	Economy	Primary Borate Crosslinker	Petroleum Distillate Blend	64742-47-8	60%	0.0552365%
			Borate Salts	1319-33-1	60%	0.0552365%
BR-34	Economy	Encapsulated Persulfate Breaker	Ammonium Persulfate	7727-54-0	76%	0.0161174%
			Silica, Crystalline - Quartz	7631-86-9	24%	0.0050897%
BR-31B	Blue Ribbon Technology	Ammonium persulfate gel breaker	Ammonium Persulfate	7727-54-0	100%	0.0026528%
AI-150	Reef	Acid Inhibitor	Isopropanol	67-63-0	20%	0.001087%
			Propargyl Alcohol	107-19-7	20%	0.001087%
			Methanol	67-56-1	20%	0.001087%
			Isooctyle Alcohol Bottoms	68526-88-5	20%	0.001087%
			Xylene	1330-20-7	20%	0.001087%
AC-307	Reef	Iron Control	Glacial Acetic Acid	64-19-7	30%	0.0020033%
			Isopropanol	67-63-0	30%	0.0020033%
			Water	7732-18-5	40%	0.0026711%
Ac Tivator	Momentive	Resin Coat Activator	Alcohols C12-14-Secondary, Ethoxylated	84133-50-6	70%	0.0154909%
			Methanol	67-56-1	50%	0.011065%
			Polyethylene Glycol	25322-68-3	5%	0.0011065%
BR-EL2X	Economy	Gel Breaker	Cellulase Enzyme	Proprietary	100%	0.0043394%
StimOil EN	CESI Chemical	Non-emulsifier	Isopropanol	67-63-0	30%	0.036021%
			Citrus Terpenes	68647-72-3	5%	0.0060035%
			Water	7732-18-5	70%	0.0840491%
			Organic Polyol	Proprietary	13%	0.0156091%
			Surfactants	Proprietary	5%	0.0060035%
			Polyamine Polyethers	Proprietary	30%	0.036021%
			Nonionic Alkoxy/ate	Proprietary	10%	0.012007%
CSM-50	CESI Chemical	Clay Control	Polyquaternary Amine	Proprietary	50%	0.0601563%
			Water	7732-18-5	80%	0.0043481%
			Sodium Chloride	7647-14-5	15%	0.0008153%
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: 10/26/2015						
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.