

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. 30-025-41519				
		2. Well Name: NIGHTHAWK STATE COM #001H				
		3. Well Number: 001H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:D Lot:D Section:29 Township:18S Range:35E Feet from:180 N/S Line:N Feet from:530 E/W Line:W				
		5. Bottom Hole Location: Unit:M Lot:M Section:29 Township:18S Range:35E Feet from:330 N/S Line:S Feet from:330 E/W Line:W				
		6. latitude: 32.7254633814956 longitude: -103.486550483087				
		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: 6/22/2014 Frac Performed by: C & J Energy Services, Inc.		12. Production Type: O				
13. Pool Code(s): 960		14. Gross Fractured Interval: 10,141 ft to 14,175 ft				
15. True Vertical Depth (TVD): 9,750 ft		16. Total Volume of Fluid Pumped: 2,748,564 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	Energen	Carrier/Base Fluid	Water	7732-18-5	100%	82.70399%
Sand (Proppant)	CJES	Proppant	Silica Substrate	NA	100%	14.44199%
FGP-912	Blue Ribbon Technology	Guar Slurry-Water Thickener	Petroleum Distillate	64742-47-8	60%	0.3032%
			Proprietary Non-Hazardous Components	Proprietary	60%	0.3032%
Hydrochloric Acid (15%)	CJES	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.2688%
StimOil EN	CESI Chemical	Non-Emulsifier	Water	7732-18-5	70%	0.08177%
			Isopropanol	67-63-0	30%	0.03504%
			Polyamine Polyethers	Proprietary	30%	0.03504%
			Organic Polyol	Proprietary	13%	0.01519%
			Nonionic Alkoxyolate	Proprietary	10%	0.01168%
			Surfactants	Proprietary	5%	0.00584%
			Citrus Terpenes	68647-72-3	5%	0.00584%
CSM-50	CESI Chemical	Clay Control	Water	7732-18-5	80%	0.1022%
			Polyquaternary Amine	Proprietary	50%	0.06388%
XL-3	Economy	Borate Crosslink Accelerator	Sodium Chloride	7647-14-5	15%	0.01916%
			Potassium Metaborate	16481-66-6	50%	0.06254%
			Ethylene Glycol	107-21-1	25%	0.03127%
			Potassium Hydroxide	1310-73-2	25%	0.03127%
SU-15	Blue Ribbon Technology	Surfactant and Flowback Aid	Water	7732-18-5	75%	0.03014%
			Alcohols C9-C11	68439-46-3	25%	0.01005%
FR-1B	Blue Ribbon	Friction Reducer	Petroleum Distillate	64742-47-8	28%	0.01891%
			Hydrated Light Ammonium Chloride	12125-02-9	13%	0.00878%
			C12-C14 Alcohol Ethoxylate	68439-50-9	3.1%	0.00209%
			Alchols (C10-16), Ethoxylated	68002-97-1	3.1%	0.00209%
			Alcohol (C-12-C16), Ethoxylated	68551-12-2	3.1%	0.00209%
AcTivator	Momentive	Resin Coat Activator	Alcohols C12-14-Secondary, Ethoxylated	84133-50-6	70%	0.01213%
			Methanol	67-56-1	50%	0.00866%
pH-29B	Blue Ribbon Technology	High pH Buffer	Polyethylene Glycol	25322-68-3	5%	0.00087%
			Sodium Hydroxide	1310-73-2	35%	0.01437%
AC-307	Reef	Iron Control	Water	7732-18-5	40%	0.00265%
			Glacial Acetic Acid	64-19-7	30%	0.00199%
			Isopropanol	67-63-0	30%	0.00199%
AI-150	Reef	Acid Inhibitor	Methanol	67-56-1	20%	0.00108%
			Propargyl Alcohol	107-19-7	20%	0.00108%
			Xylene	1330-20-7	20%	0.00108%
			Isopropanol	67-63-0	20%	0.00108%
			Isooctyle Alcohol Bottoms	68526-88-5	20%	0.00108%
BR-34	Economy	Encapsulated Persulfate Breaker	Ammonium Persulfate	7727-54-0	76%	0.00289%
			Silica, Cystalline - Quartz	7631-86-9	24%	0.00091%
BR-EL2X	Economy	Gel Breaker	Cellulase Enzyme	Proprietary	100%	0.00271%
BR-31B	Blue Ribbon Technology	Ammonium Persulfate Gel Breaker	Ammonium Persulfate	7727-54-0	100%	0.00244%
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: _____						
Date: 9/24/2014						
E-mail Address: presley@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.