Plexslick 957

Chemplex

Friction Reducer

Ammonium

Chloride

Nonionic

Surfactants

Paraffinic, Naphtehenic Solvent

Hydraulic Fracturin	g Fluid Disclo	sure						Page 1 of 2	
Submit within 45 days of completion	well	State of New Mexico Energy, Minerals and Natural Resources				Revised November 6, 2013			
Completion	En					1. WELL API NO. 30-025-43273			
							2. Well Name: RAGNAR FEDERAL COM #026H		
Oil Conservation Division						, 0.6.0.0			
1220 S. St Francis Dr.							1		
		026F	1						
HYDRAULI	C FRACTU	RING FLUI)			4. Surface Hole L		ownship:17S Range:32E	
DISCLOSU	RE	lto.				Feet from:120	N	/S Line:N	
		HOBBS OCD				Feet from:1730 5. Bottom Hole Lo		/W Line:E	
Amendment		MAY 3 0 2017				Unit:B Lot:B Section:22 Township:17S Range:32E Feet from:120 N/S Line:N			
Amendment		WAT 3 0 2017				Feet from: 1730	E	/W Line:E	
		RECEIVED				6. latitude: 32.8	32701562	ongitude: -103.7513118	
				7. County: Lea					
					La conin			100	
8. Operator Name and Add COG OPERA			9. OGRID:	D: 10. Phone Number: 432-685-4332					
11. Last Fracture Date: 3/30/2017 Frac Performed by: PumpCo Services						12. Production Type: O			
13. Pool Code(s): 14. Gros 44500							s Fractured Interval: 6,741 ft to 11,360 ft		
15. True Vertical Depth (T 6,400 ft			16. Total Volume of Fluid Pumped: 5,243,238 gals						
17. Total Volume of Re-Us 0 gals		18. Percent of Re-Use Water in Fluid Pumped: %			mped:				
19. HYDRAULIC F	LUID COMPO Supplier	SITION AND CO	Ingredients	(CAS #) Ch	emical	Maximum Ingr	edient	Maximum Ingredient	
Trade Name	Supplier	ruipose		Abstract S	ervice #	Concentration (% by mass)	in Additive	Concentration in HF Fluid (% by mass)	
Water	Operator	Carrier/Base Fluid	Water	7732-18-5	5		100%	88.78356%	
Sand	TSS	Proppant	Silica Substrate				100%	9.19055%	
15% HCL	Reagent	Acidizing	Hydrochloric Acid	7647-01-0	,		15%	0.27451%	
Chemplex 4-N-1	Chemplex	Combination/Iron Control	2-Ethylhexanol Acetic Acid	104-76-7			10% 85%	0.00208%	
			Alcohol	64-19-7 Proprietary			2%	0.01765% 0.00042%	
			Ethoxylate	,					
			Surfactants Cocamide	68603-42-9			2%	0.00042%	
			Diethanolamine Salt						
			Diethanolamine	111-42-2 67-56-1			2% 10%	0.00042%	
			Methyl Alcohol n-olefins	Proprietary		-	1%	0.00208% 0.00021%	
			Propargyl Alcohol	107-19-7			1%	0.00021%	
			thiourea-	68527-49-1			2%	0.00042%	
			formaldehyde copolymer						
Plexgel Breaker XPA	Chemplex	Breaker	Hydrogen Peroxide	7722-84-1	1		7%	0.00301%	
				10100	-				

12125-02-9

Proprietary

64742-47-8

0.00446%

0.00134%

0.02677%

5%

1.5%

30%

Hydraulic Fracturing Fluid Disclosure										
			Poly (acrylamide-co- acrylic acid), partial sodium salt	62649-23-4	35%	0.03123%				
Plexsurf 240E	Chemplex	Non Ionic	Methyl Alcohol	67-56-1	20%	0.00858%				
		Surfactant	Alcohol Alkoxylate	Proprietary	20%	0.00858%				
					0%	0%				
					0%	0%				
					0%	0%				
					0%	0%				
					0%	0%				
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:			Title:							
Date:										
E-mail Address:										

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.