Submit within 45 days of well completion State of New Mexico						Revised November 6, 2013 1. WELL API NO.			
						30-015-44043			
Energy, Minerals and Natural Resources						2. Well Name: PALMILLO 14-15 STATE #002H			
Oil Conservation Division						3. Well Number:			
1220 S. St Francis Dr.						00	2H		
Santa Fe, NM 87505									
HYDRAULIC FR DISCLOSURE	.UID				4. Surface Hole Location: Unit:P Lot:P Section:15 Township:19S Range:28E Feet from:285 N/S Line:S				
⊠ Original						Feet from:3° 5. Bottom Ho		E/W Line:E	
□ Amendment						Unit:P Lot:P Section:15 Township:19S Range:28E Feet from:285 N/S Line:S Feet from:315 E/W Line:E 6. latitude: longitude:			
						32.65421883 -104.15630526			
						7. County: Eddy			
8. Operator Name and Address: APACHE CORP 303 Veterans Airpark Lane Suite 3000 Midland 79705					9. OGRID:	873 10. Phone Number: 432-818-1801			
11. Last Fracture Date: 8/15/2017 Frac Performed by: PUMPCO 12. Produc						• •			
13. Pool Code(s): 14. Gross Fi						actured Interval:			
						518 ft to 12,203 ft lume of Fluid Pumped:			
15. True vertical Depth (TVD): 16. Total 5,900 ft						7,277,466 gals			
						t of Re-Use Water in Fluid Pumped: Not Disclosed			
N/A Not Disclosed 19. HYDRAULIC FLUID COMPOSITION AND CONCENTRATION:									
Trade Name	Supplier	Purpose	Ingredients	(CAS #) Chemical Abstract Service #		Maximum Ing Concentratio mass)	redient n in Additive (% by	Maximum Ingredient Concentration in HF Fluid (% by mass)	
Water	Operator	Carrier/Base Fluid	Water	7732-18-5			100%	89.58139%	
Sand	TSS	Proppant	Silica Substrate	14808-60-7			100%	9.32983%	
15% HCL Chemplex 4-N-1	Reagent Chemplex	Acidizing Combination/Iron	Hydrochloric Acid 2-Ethylhexanol	7647-01-0 104-76-7		1	15% 10%	0.10049% 0.0005%	
Chemplex +-iv- i	Опетириех	Control	Acetic Acid	64-19-7			85%	0.0005%	
			Alcohol Ethoxylate Surfactants	Proprietary			2%	0.0001%	
			Cocamide Diethanolamine Salt	68603-42-9			2%	0.0001%	
			Diethanolamine	111-42-2			2%	0.0001%	
			Methyl Alcohol	67-56-1			10%	0.0005%	
			n-olefins	Proprietary		ļ	1%	5E-05%	
			Propargyl Alcohol thiourea- formaldehyde copolymer	68527-49-1			1% 2%	5E-05% 0.0001%	
BT Scale 2S	Blentech	Scale Inhibitor	PolyAcrylate	Proprietary			88%	0.00212%	
FR5560	Rockwater Energy	Friction Reducer	Surfactant Blend	64742-47-8 ght			10%	0.00387%	
	Solutions		Distillates, Petroleum, Hydrotreated Light				30%	0.0116%	
Clayplex 650	Chemplex	Clay Stabilizer	Proprietary Polymer Calcium chloride	Proprietary 10043-52-4			30% 2%	0.0116% 0.00011%	
Clayplex 650	Chemplex	Clay Stabilizer	Choline chloride	67-48-1			35%	0.0011%	
BT Surf 2	Blentech	Surfactant	Isopropyl alcohol	67-63-0			45%	0.0145%	
20 Les Operates handers "	that the information of	n on this disclasses for	a true and para-late to "	hoot of recities	ladge end by "	<u> </u>	0%	0%	
Signature: Signed Electronically		n on this disclosure form is true and complete to the best of my knowledge an Printed Name: Emily Follis			leuge and belie		rod Dept Asst		
Date: 9/18/2017						Title. SIF	Tou Dept Asst	_	

E-mail Address: emily.follis@apachecorp.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.