

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: 30-025-41995				
		2. Well Name: PALOMA 21 FEDERAL COM #003H				
		3. Well Number: 003H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:B Lot:B Section:21 Township:20S Range:34E Feet from:350 N/S Line:N Feet from:2200 E/W Line:E				
		5. Bottom Hole Location: Unit:G Lot:B Section:28 Township:20S Range:34E Feet from:2368 N/S Line:N Feet from:1876 E/W Line:E				
		6. latitude: longitude: 32.564918423887 -103.5573994059				
		7. County: Lea				
8. Operator Name and Address: FASKEN OIL & RANCH LTD 6101 Holiday Hill Road Midland 79707		9. OGRID: 151416		10. Phone Number: 432-687-1777		
11. Last Fracture Date: 2/2/2015 Frac Performed by: PROPETRO		12. Production Type: O				
13. Pool Code(s): 37580		14. Gross Fractured Interval: 11,266 ft to 17,956 ft				
15. True Vertical Depth (TVD): 10,980 ft		16. Total Volume of Fluid Pumped: 54,780,652 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	Carrier/Base Fluid	Water	7732-18-5	100%	89.8403046%
HA04-10-15% HCL	Reagent Chemical	Acidizing	Hydrogen Chloride	7647-01-0	15%	0.0916751%
			Water	7732-18-5	85%	0.5194922%
IC5-Iron Control	Economy Polymers	Iron Control	Acetic Acid	64-19-7	60%	0.0035116%
			Citric Acid	77-92-9	30%	0.0017558%
			Water	7732-18-5	60%	0.0035116%
			Methanol	67-56-1	60%	0.0010442%
CI200-Corrosion Inhibitor NE-601-N/E Surfactant	Economy Polymers EES	Corrosion Inhibitor Surfactant	Methanol	67-56-1	70%	0.0718332%
			Ethylene Glycol	111-76-2	50%	0.0513094%
			Monobutyl Ether	Proprietary	70%	0.0718332%
			Diethanolamide	Proprietary	98%	0.005018%
BR1-AP Breaker	Economy Polymers	AP Breaker	Ammonium Persulfate	7727-54-0	100%	0.0252303%
BRXPA-Plexgel XPA Breaker	Chemplex	Breaker	Hydrogen Peroxide	7722-84-1		
FR02-Cationic Friction Reducer	Economy Polymers	Cationic Friction Reducer	Petroleum Distillates	Proprietary	25%	0.0231186%
			Trade Secret	Proprietary	100%	0.0924745%
BC1058-Liquid Biocide	Buckman Lab.	Liquid Biocide	Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione	533-74-4	24%	0.0122391%
			Sodium Hydroxide	1310-73-2	11%	0.0056096%
			Dibromo - Nitrilopropionamide	10222-01-2	100%	9.13E-05%
			Ammonium Bisulfite	010192-30-0	55%	0.006692%
O2S-Plexaid OS-30 Cortron R-2340	Chemplex Champion Technologies	Oxygen Scavenger Corrosion Inhibitor	Methanol	67-56-1	60%	0.0078623%
			Acetic Acid	64-19-7	5%	0.0006552%
			Amines, coco alkyl, acetates	Proprietary	10%	0.0013104%
			Diatomaceous earth, calcined	91053-39-3	100%	0.0136736%
ScaleSorb 3	Baker Hughes	Scale Inhibitor	Quaternary ammonium chloride	Proprietary	30%	0.0041021%
			Acid phosphate ester	Proprietary	10%	0.0013674%
			Crystalline silica: Quartz	14808-60-7	1%	0.0001367%
			Diatomaceous earth, calcined	91053-39-3	100%	0.0258969%
			Amino Alkyl Phosphonic Acid	Proprietary	30%	0.0077691%
			Phosphonic Acid	13598-36-2	1%	0.000259%
Ceramic - Sinterlite	Sintex	Proppant	Crystalline silica: Quartz	14808-60-7	1%	0.000259%
			Silica	14808-60-7	100%	9.1995619%
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: Kim Tyson Title: _____						
Date: 2/26/2015 _____						
E-mail Address: kimt@forl.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.