

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 February 15, 2012							
		1. WELL API NO: 30-015-41137							
		2. Well Name: PLU PIERCE CANYON 4 25 30 #001H							
		3. Well Number: 001H							
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:A Lot:1 Section:4 Township:25S Range:30E Feet from:150 N/S Line:N Feet from:660 E/W Line:E							
		6. Bottom Hole Location: Unit:A Lot:1 Section:4 Township:25S Range:30E Feet from:150 N/S Line:N Feet from:660 E/W Line:E							
		6. latitude: 32.166604822617 longitude: -103.879576962497							
		7. County: Eddy							
8. Operator Name and Address: BOPCO, L.P. 6 Desta Drive, Ste 3700 P. O. Box 2760 Midland 79702		9. OGRID: 260737		10. Phone Number: 432-683-2277					
11. Last Fracture Date: 7/27/2013 Frac Performed by: Baker Hughes		12. Production Type: O							
13. Pool Code(s): 47545		14. Gross Fractured Interval: Confidential							
15. True Vertical Depth (TVD): 9,066 ft.		16. Total Volume of Fluid Pumped: 2,339,610 gals							
17. 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	Water	7732-18-5	100%	81.39932%			
HCl, 10.1 - 15%	Baker Hughes	Acidizing	Hydrochloric Acid	7647-01-0	15%	0.78058%			
			Water	7732-18-5	85%	4.4233%			
EnZyme G HpH-II	Baker Hughes	Breaker	Non-hazardous Ingredients	N.A.	100%	0.0221%			
ClayCare, tote	Baker Hughes	Clay Control	Choline Chloride	67-48-1	75%	0.06115%			
			Water	7732-18-5	30%	0.02446%			
Clay Master-5C	Baker Hughes	Clay Control	Oxyakylated Amine Quat	138879-94-4	60%	0.0016%			
Cl-27	Baker Hughes	Corrosion Inhibitor	Fatty Acids	Trade Secret	30%	0.00204%			
			Methanol	67-56-1	60%	0.00409%			
			Olefin	Trade Secret	5%	0.00034%			
			Polyoxyalkylenes	Trade Secret	30%	0.00204%			
			Propargyl Alcohol	107-19-7	10%	0.00068%			
			Thiourea Polymer	68527-49-1	30%	0.00204%			
XLW-10A	Baker Hughes	Crosslinker	Ethylene Glycol	107-21-1	30%	0.04077%			
			Sodium Hydroxide	1310-73-2	10%	0.01359%			
			Sodium Tetraborate Decahydrate	1303-96-4	30%	0.04077%			
FRW-18	Baker Hughes	Friction Reducer	Petroleum Distillates	64742-47-8	30%	0.01311%			
GW-4LDF	Baker Hughes	Gelling Agent	Guar Gum	9000-30-0	60%	0.28606%			
			Petroleum Distillate Blend	8042-47-5	70%	0.66747%			
			Petroleum Distillate Blend	64742-55-8	70%	0.33374%			
AG-12	Baker Hughes	Gelling Agent	Acrylic Polymers	26006-22-4	50%	0.00175%			
			Distillates, Petroleum, Hydrotreated Middle	64742-47-8	21.1%	0.00074%			
Ferrotrol 280L	Baker Hughes	Iron Control	2-Mercaptoethanol	60-24-2	100%	0.0095%			
			Ammonium Hydroxide	1336-21-6	5%	0.00047%			
			Cupric Chloride	7447-39-4	5%	0.00047%			
			Mixture of Surfactants	Trade Secret	50%	0.00157%			
NE-35, 330 gl tote	Baker Hughes	Non-emulsifier	Propylene Glycol	57-55-6	30%	0.00094%			
Sand, White, 30/50	Baker Hughes	Proppant	Crystalline Silica (Quartz)	14808-60-7	100%	9.29079%			
Preferred Garnet RC 20/40	Baker Hughes	Proppant	Castor Oil	8001-79-4	5%	0.10801%			
			Crystalline Silica (Quartz)	14808-60-7	100%	2.16025%			
ScaleSorb 7 (50 lb)	Baker Hughes	Scale Inhibitor	Crystalline Silica (Quartz)	14808-60-7	1%	9E-05%			
			Diotomaceous Earth, Calcined	91053-39-3	100%	0.00876%			
			Organo Phosphorus Salt	Trade Secret	30%	0.00263%			
			Sodium Chloride	7647-14-5	10%	0.00088%			
Flo-Back Prime (tote)	Baker Hughes	Surfactant	Essential Oils	Trade Secret	60%	0.00204%			
			Isopropanol	67-63-0	30%	0.00102%			
Flo-Back 40	Baker Hughes	Surfactant	Amphoteric Surfactant	Trade Secret	40%	0.05484%			
Ingredients shown above are subject to 29 CFR 1910			Ampicillin	69-53-4	0%	0.000221%			
			Citrus Terpenes	94266-47-4	0%	0.0020353%			
			Enzyme	37288-54-3	0%	0.000221%			
			Ethoxylated Alcohol	Trade Secret	0%	0.000874%			
			Fatty Acid Esters	67701-32-0	0%	6.64E-05%			
			Fatty Acid Oxyalkylate	70142-34-6	0%	7E-06%			
			Formaldehyde	50-00-0	0%	3.41E-05%			
			Glycerol	56-81-5	0%	0.000442%			
			Lactose	9004-34-6	0%	0.000221%			
			Organic Polyol	112-27-6	0%	0.0003392%			
			Oxyalkylated Alkylphenol	9016-45-9	0%	6.29E-05%			
			Poly (acrylamide -co-acrylic acid)	Trade Secret	0%	0.01311%			
			Salt	Trade Secret	0%	0.002185%			
			Sodium Bisulfate	7631-90-5	0%	4.82E-05%			
			Sodium Chloride	7647-14-5	0%	0.0421163%			
			Sodium Sulfonate	870-72-4	0%	1.4E-05%			
			Sorbitan Monooleate	Trade Secret	0%	0.002185%			
			Surfactants	Trade Secret	0%	0.0023745%			
			Tryptone	73049-73-7	0%	0.000663%			
			Water	7732-18-5	0%	0.1682911%			
			Xylene	1330-20-7	0%	2.1E-05%			
			Yeast Extract	8013-01-2	0%	0.000442%			
			diester of sulfosuccinic acid sodium salt	2673-22-5	0%	1.75E-05%			
			18. 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: Rosie Cobos Title: Engineering Tech						
			Date: 8/19/2013						
			E-mail Address: rcobos@basspet.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.						