

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: 30-015-40580						
		2. Well Name: PLU ROSS RANCH 21 25 30 USA #001H						
		3. Well Number: 001H						
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:D Lot:D Section:21 Township:25S Range:30E Feet from:125 N/S Line:N Feet from:400 E/W Line:W						
		5. Bottom Hole Location: Unit:D Lot:D Section:21 Township:25S Range:30E Feet from:125 N/S Line:N Feet from:400 E/W Line:W						
		6. Latitude: Longitude: 32 1226580110387 -						
		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: 12/6/2012 Frac Performed by: FTS International		12. Production Type: O						
13. Pool Code(s): 13354		14. Gross Fractured Interval: Confidential						
15. True Vertical Depth (TVD): 8,354 ft		16. Total Volume of Fluid Pumped: 45,220 bbls						
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)		
Fresh Water		Carrier/Base Fluid			0%	85.56379%		
10.1 - 15 HCL	FTS INTERNATIONAL	Acid	Water	007732-18-5	85%	0.93054%		
			Hydrochloric Acid	007647-01-0	15%	0.16421%		
FE-100L	FTS INTERNATIONAL	Iron Control Agent	Citric Acid	000077-92-9	55%	0.00197%		
CI-150	FTS INTERNATIONAL	Corrosion Inhibitor	Isopropanol (Isopropyl Alcohol, Propan-2-ol)	000067-63-0	60%	0.00175%		
			Proprietary Organic Amine Resin Salt	TRADE SECRET	30%	0.00087%		
			Dimethyl Formamide	000068-12-2	10%	0.00029%		
			Proprietary Aromatic Aldehyde	TRADE SECRET	10%	0.00029%		
			Proprietary Quaternary Ammonium Compound	TRADE SECRET	10%	0.00029%		
Northern White Sand		Proppant - Natural	Crystalline Silica (Quartz Sand, Silicon Dioxide)	014808-60-7	100%	9.59054%		
Super LC		Proppant - Resin Coated	Crystalline Silica (Quartz Sand, Silicon Dioxide)	014808-60-7	97%	2.2926%		
			Phenol/Formaldehyde Resin	009003-35-4	5%	0.11818%		
			Hexamethylenetetramine (Hexamine)	000100-97-0	1%	0.02364%		
100 Mesh Sand		Proppant - Natural	Crystalline Silica (Quartz Sand, Silicon Dioxide)	014808-60-7	100%	0.87675%		
ParaSorb	BAKER HUGHES	Scale Inhibitor	Calcined Diatomaceous Earth	091053-39-3	65%	0.02385%		
			Mineral Oil (Paraffin Oil, White Mineral Oil)	008042-47-5	30%	0.01101%		
			Paraffin Inhibitor	N/A	25%	0.00917%		
			Crystalline Silica (Quartz Sand, Silicon Dioxide)	014808-60-7	5%	0.00183%		
HVG01 (TURQUOISE-1 BULK)	FTS INTERNATIONAL	Gelling Agent	Petroleum Distillate Hydrotreated Light	064742-47-8	55%	0.13356%		
			Guar Gum	009000-30-0	50%	0.12141%		
			Crystalline Silica (Quartz Sand, Silicon Dioxide)	014808-60-7	2%	0.00486%		
			Surfactant	068439-51-0	2%	0.00486%		
B10 (HIGH PH BUFFER)	FTS INTERNATIONAL	pH Adjusting Agent	Potassium Carbonate	000584-08-7	48%	0.02905%		
			Potassium Hydroxide	001310-58-3	20%	0.01211%		
BXL02 Borate XL	FTS INTERNATIONAL	Cross Linker	Sodium Metaborate Tetrahydrate	010555-76-7	25%	0.00839%		
			Boric Acid	010043-35-3	15%	0.00504%		
			Potassium Hydroxide	001310-58-3	12%	0.00403%		
FRW-200	FTS INTERNATIONAL	Friction Reducer Breaker	Petroleum Distillate Hydrotreated Light	064742-47-8	26%	0.00501%		
APB01 (AMMONIUM PERSUFATE BREAKER)	FTS INTERNATIONAL		Ammonium Persulfate	007727-54-0	100%	0.00309%		
LEB-300	FTS INTERNATIONAL	Breaker	No Hazardous Components	NONE	0%	0%		
MC MX 664-5	MULTI-CHEM	Surfactant	Methanol (Methyl Alcohol)	000067-56-1	70%	0.05389%		
			Proprietary Sulfonate	TRADE SECRET	30%	0.0231%		
			Isopropanol (Isopropyl Alcohol, Propan-2-ol)	000067-63-0	5%	0.00385%		
MC B 8642 WS	MULTI-CHEM	Anti-Bacterial Agent	Glutaraldehyde (Pentanedial)	000111-30-8	60%	0.0124%		
			Quaternary Ammonium Compound	068424-85-1	10%	0.00207%		
			Ethanol	000064-17-5	1%	0.00021%		
MC S-2510T (WS)	MULTI-CHEM	Scale Inhibitor	Ethylene Glycol	000107-21-1	60%	0.00605%		
			Sodium Hydroxide	001310-73-2	5%	0.0005%		
Additional Ingredients Not Listed on MSDS					0%	0%		
Super LC		Proppant - Resin Coated	Non-MSDS Components Not Provided by Supplier	NOT PROVIDED	0%	0%		
ParaSorb	BAKER HUGHES	Scale Inhibitor	Proprietary Polymer	TRADE SECRET	0%	0%		
APB01 (AMMONIUM PERSUFATE BREAKER), B10 (HIGH PH B	FTS INTERNATIONAL	Breaker, Corrosion Inhibitor, Cross Linker, Friction Reducer, Iron Control Agent, pH Adjusting Agent	Proprietary Breaker (APB01) Additive	TRADE SECRET	0%	0%		
			Proprietary Corrosion Inhibitor Additive (CI-150)	TRADE SECRET	0%	0%		
			Proprietary Enzyme	TRADE SECRET	0%	0%		
			Proprietary Friction Reducer Additive (FRW-200 and FRW-200W)	TRADE SECRET	0%	0%		
			Sodium Chloride	007647-14-5	0%	0%		
			Water	007732-18-5	0%	0%		
MC B 8642 WS, MC MX 664-5, MC S-2510T (WS)	MULTI-CHEM	Anti-Bacterial Agent, Scale Inhibitor, Surfactant	Methanol (Methyl Alcohol)	000067-56-1	0%	0%		
			Neutralized Polymer	TRADE SECRET	0%	0%		
			Phosphoric Acid	007664-38-2	0%	0%		
			Water	007732-18-5	0%	0%		
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: Emma Z Galindo _____		Title: Engineering Assistant _____				
Date: 1/28/2013 _____								
E-mail Address: ezgalindo@basspet.com _____								
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