

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: 30-015-42615				
		2. Well Name: JAMES RANCH UNIT D11 #162H				
		3. Well Number: 162H				
HYDRAULIC FRACTURING FLUID DISCLOSURE ☒ Original ☐ Amendment		4. Surface Hole Location: Unit:G Lot:G Section:21 Township:22S Range:30E Feet from:1413 N/S Line:N Feet from:1455 E/W Line:E				
		5. Bottom Hole Location: Unit:G Lot:G Section:21 Township:22S Range:30E Feet from:1413 N/S Line:N Feet from:1455 E/W Line:E				
		6. latitude: 32.3810654 longitude: -103.8823166				
		7. County: Eddy				
8. Operator Name and Address: BOPCO, L.P. P. O. Box 2760 Midland 79702		9. OGRID: 260737	10. Phone Number: 432-683-2277			
11. Last Fracture Date: 10/23/2016 Frac Performed by: CUDD Energy Services		12. Production Type: O				
13. Pool Code(s): 97905		14. Gross Fractured Interval: Confidential				
15. True Vertical Depth (TVD): 9,339 ft		16. Total Volume of Fluid Pumped: 7,976,921 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		Carrier / Base Fluid		7732-18-5	100%	81.68139%
Sand		Proppant	Silicon Dioxide	14808-60-7	100%	13.83741%
BF-125	Multiple Suppliers	Buffer	Acetic Acid	64-19-7	6.4%	0.00151%
			Water	7732-18-5	93.6%	0.02206%
BF-200	Multiple Suppliers	Buffer	Potassium Hydroxide	1310-58-3	25%	0.03022%
			Water	7732-18-5	80%	0.09671%
15% Hydrochloric Acid	Reagent	Scale Dissolver	37% Hydrochloric Acid	7647-01-0	15%	0.12383%
			Water	7732-18-5	85%	0.70168%
I-112	Chemplex,L.C.	Acid Corrosion Inhibitor	Methanol	67-56-1	49.6%	0.00064%
			Propargyl Alcohol	107-19-7	4%	5E-05%
SG-15G	Multiple Suppliers	Polymer	Guar Gum	9000-30-0	50%	0.27255%
			Petroleum Distillate (Mineral Oil)	64742-47-8	55%	0.29981%
			Bentonite Clay	14808-60-7	2%	0.0109%
			Surfactant	68439-51-0	2%	0.0109%
CX-10	Multiple Suppliers	Crosslinker	Sodium Borate Decahydrate	1303-96-4	29.9%	0.01631%
			Water	7732-18-5	69.1%	0.03769%
CX-14G	Rockwater Energy Solutions	Crosslinker	Ethane-1,2-Diol	107-21-1	30%	0.02721%
			Inorganic Borates	1319-33-1	40%	0.03628%
GB-2	Multiple Suppliers	Breaker	Ammonium Persulfate	7727-54-0	99.9%	0.00052%
EGB-16HT	Multiple Suppliers	Breaker	Ammonium Persulfate	7727-54-0	99.9%	0.00943%
			Silica, Crystalline-Quartz	14808-60-7	10%	0.00094%
FE-4	Multiple Suppliers	Iron Control Additive	Citric Acid Anhydrous	77-92-9	55%	0.0025%
			Water	7732-18-5	55%	0.0025%
Carbo Econoprop	Carbo Ceramics	Proppant	Silicon Dioxide, amorphous as glass	7631-86-9	35%	0.9676%
			Mullite	1302-93-8	85%	2.34989%
			Silica Crystalline-Cristobalite	14464-46-1	20%	0.55292%
NE-227	Ace Completions	Non-emulsifier	Proprietary	NA	15%	0.00608%
			Poly (oxy-1,2-ethanediyl), alpha hexyl-omega-hydroxy-	31726-34-8	5%	0.00203%
			Isotridecanol, ethoxylated	9043-30-5	5%	0.00203%
			Alcohol	68609-68-7	5%	0.00203%
			Solvent Naptha (Petroleum), Heavy Aromatic	64742-94-5	1%	0.00041%
			Water	7732-18-5	90%	0.0365%
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: Leslie Barnes Title: _____						
Date: 10/25/2016						
E-mail Address: lbarnes@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.