

**State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505**

1. WELL API NO: 30-015-42008
2. Well Name: BIG EDDY UNIT D19 #034H
3. Well Number: 034H
4. Surface Hole Location: Unit:P Lot:P Section:21 Township:21S Range:30E Feet from:90 N/S Line:S Feet from:879 E/W Line:E
5. Bottom Hole Location: Unit:P Lot:P Section:21 Township:21S Range:30E Feet from:90 N/S Line:S Feet from:879 E/W Line:E
6. latitude: 32.4578003237154 longitude: -103.879794496043
7. County: Eddy

**HYDRAULIC FRACTURING FLUID
DISCLOSURE**

Original
 Amendment

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
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11. Last Fracture Date: 10/7/2014 Frac Performed by: Cudd Energy Services	12. Production Type: O
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13. Pool Code(s): 98053	14. Gross Fractured Interval: Confidential
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15. True Vertical Depth (TVD): 9,125 ft	16. Total Volume of Fluid Pumped: 4,312,372 gals
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17. Total Volume of Re-Use Water Pumped: N/A	18. Percent of Re-Use Water in Fluid Pumped: Not Disclosed
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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%	81.57359%
Sand		Proppant	Silicon Dioxide	14808-60-7	100%	14.03267%
Super DC/LC TLC/THS Opti RCS	Sandtrol	Proppant	Silicon Dioxide	14808-60-7	97%	2.61662%
			P/F Novolak Resin	9003-35-4	5%	0.13488%
			Hexamethylenetetramine	1009-7-0	1%	0.02698%
			Acetic Acid	64-19-7	1%	1E-05%
AGA-380	Chemplex, L.C.	Acid Gellant	Sodium Bisulfite(Trade Secret)	7631-90-5	64%	0.0006%
			Petroleum Distillate	64742-47-8	35%	0.00033%
			37% Hydrochloric Acid	7647-01-0	15%	0.14564%
15% Hydrochloric Acid	Reagent	Scale Dissolver	Water	7732-18-5	85%	0.82527%
			Methanol	67-56-1	70%	0.00125%
I-122	Chemplex, L.C.	Acid Corrosion Inhibitor	Propargyl alcohol	107-19-7	8%	0.00025%
			Alcohol Ethoxylate Surfactants	Trade Secret	30%	0.00094%
			n-olefins	Trade Secret	10%	0.00031%
			thiourea-formaldehyde copolymer	68527-49-1	30%	0.00094%
			Guar Gum	9000-30-0	50%	0.22198%
			Petroleum Distillate (Mineral Oil)	64742-47-8	55%	0.24418%
			Bentonite Clay	14808-60-7	2%	0.00888%
CX-20	Benchmark	Crosslinker	Triethanolamine	102-71-6	65%	0.02795%
			Isopropanol	67-63-0	22%	0.00946%
GB-125	Benchmark	Breaker	Silica Crystalline-Quartz	14808-60-7	10%	0.00988%
GB-150	Chemplex, L.C.	Breaker	Non-hazardous ingredients	NA	100%	0.0371%
NE-227	CESI	Non-emulsifier	Isopropanol	67-63-0	15%	0.01229%
			Methanol	67-56-1	15%	0.01229%
			Ethoxylated Nonylphenol	9016-45-9	20%	0.01638%
FE-4	Chemplex, L.C.	Iron Control Additive	Citric Acid Anhydrous	77-92-9	55%	0.00294%
			Water	7732-18-5	55%	0.00294%
ScaleStop 54	Boxque Systems, LLC	Scale Inhibitor	Anionic polymeric dispersant	Not Established	4%	0.00044%
			Hydrochloric Acid	7647-01-0	1%	0.00011%
			Phosphoric Acid	7664-38-2	1%	0.00011%

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: <u>Signed Electronically</u> Printed Name: <u>Emma Z Galindo</u>	Title: <u>Engineering Assistant</u>
Date: <u>10/27/2014</u>	
E-mail Address: <u>ezgalindo@basspet.com</u>	

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