

Hydraulic Fracturing Fluid Product Component Information Disclosure for StimPlus and Bulk Sale Jobs Only!



BAKER HUGHES

	11/07/2012
Last Fracture Date	
State:	Utah
County:	Duchesne
API Number:	43-013-51278
Operator Name:	Barrett Bill Corp
Well Name and Number:	Lc Tribal 16H-19-45
Longitude:	-110.49888
Latitude:	40.11265
Long/Lat Projection:	NAD27
Production Type:	Oil
True Vertical Depth (TVD):	6,256
Total Chemical Mass (lbs)*:	1,750
Total Max. Ingredient Mass (lbs)*:	2,310
Total Chemical Volume (gal)*:	89

Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Weight in HF Fluid (lbs mass)	Comments
ScaleSorb 3, (25# pail)	Baker Hughes	Scale Inhibitor	Amino Alkyl Phosphonic Acid	Trade Secret	30.00%	525.000000	SmartCare Product
			Crystalline Silica: Quartz (SiO2)	14808-60-7	1.00%	17.500000	
			Diatomaceous Earth, Calcined	91053-39-3	100.00%	1,750.000000	
			Phosphonic Acid	13598-36-2	1.00%	17.500000	

* Total Chemical Mass is the total amount of Trade Name volume, supplied to the customer, converted to pounds.

* Total Max. Ingredient Mass is the summation of all masses listed in the Maximum Ingredient Weight (pounds) column.

* Total Chemical Volume is the total amount of Trade Name volume in gallons supplied to the customer.

** Information is based on the maximum potential for concentration and thus the total may be over 100%

All component information listed was obtained from the supplier's Material Safety Data Sheets (MSDS). As such, the Operator is not responsible for inaccurate and/or incomplete information. Any questions regarding the content of the MSDS should be directed to the supplier who provided it. The Occupational Safety and Health Administration's (OSHA) regulations govern the criteria for the disclosure of this information. Please note that Federal Law protects "proprietary", "trade secret", and "confidential business information" and the criteria for how this information is reported on an MSDS is subject to 29 CFR 1910.1200(i) and Appendix D.