

# Hydraulic Fracturing Fluid Product Component Information Disclosure

Fracture Date:	10/24/2012
State:	Texas
County:	Wise County
API Number:	42-497-37525
Operator Name:	DEVON ENERGY
Well Name and Number:	Waltman W.D. GU 1H
Longitude:	-97.776825
Latitude:	33.054339
Long/Lat Projection:	NAD27
Production Type:	Gas
True Vertical Depth (TVD):	6,601
Total Water Volume* (gal):	4,848,626

## Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	DEVON ENERGY	Carrier / Base Fluid	Carrier / Base Fluid - Water		100.00%	94.82872%	
40/70 Premium	WFT	Proppant	Crystalline Silica in the form of Quartz	14808-60-7	100.00%	4.97309%	
WFR-55LA	WFT	Friction Reducers	Ethylene Glycol	107-21-1	5.00%	0.00159%	
WGA-15L	WFT	Gelling Agents	Petroleum Distillates	64742-47-8	60.00%	0.00081%	
15% HCL	WFT	Acid	Hydrochloric Acid	7647-01-1	15.00%	0.02358%	
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.							
			2-Butoxyethanol	111-76-2		0.00001%	
			Alcohol Ethoxylate	Mixture		0.00001%	
			Alcohols, C12-16, Ethoxylated	68551-12-2		0.00001%	
			Arlacel 83	8007-43-0		0.00001%	
			Crystalline Silica in the form of Quartz	14808-60-7		0.00001%	
			Guar gum	9000-30-0		0.00068%	
			Proprietary Ingredient	Proprietary		0.03069%	
Baker Scaletrol-5277	Baker Hughes	Scale Inhibitor	Phosphonate Salt	Trade Secret	5.00%	0.00026%	
Baker Chlorine Dioxide	Baker Hughes	Biocide	Sodium Chlorite	7758-19-2	25.00%	0.00014%	
Baker Xcide-1427	Baker Hughes	Biocide	Didecyl Dimethyl Ammonium Chloride	7173-51-5	10.00%	0.00020%	

[illegible]

\*\*For some of the constituents listed above, the data submitted by Weatherford is provided in good faith reliance on the representations of Weatherford's vendors/suppliers.

\*Total Water Volume sources may include fresh water, produced water, and/or recycled water

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

Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)