

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	1/7/2021
Job End Date:	1/18/2021
State:	Texas
County:	Winkler
API Number:	42-495-34517-00-00
Operator Name:	WPX Energy
Well Name and Number:	UL BALDWIN 352623-21 I 9H
Latitude:	31.70562100
Longitude:	-103.18211700
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	11,309
Total Base Water Volume (gal):	17,586,550
Total Base Non Water Volume:	0



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	Operator	Carrier/Base Fluid	Water	7732-18-5	100.00000	85.00839	None
Sand	Operator	Proppant	Crystalline Silica	14808-60-7	100.00000	14.60750	None
7.5% HCl	Liberty Oilfield Services	Acidizing	Hydrochloric acid	7647-01-0	7.50000	0.02090	None
HiFlow 25	Downhole Chemical Solutions	Friction Reducer	Distillates (petroleum), hydrotreated light	64742-47-8	18.00000	0.01435	None
			Ammonium chloride	12125-02-9	1.50000	0.00120	None
ScaleBlok 10	Downhole Chemical Solutions	Scale Inhibitor	Water	7732-18-5	93.00000	0.01177	None
			Acrylic Acid Phosphinate Polymer	Trade Secret	6.00000	0.00076	None
			Phosphonic Acid Derivatives	Trade Secret	4.00000	0.00051	None
			Acrylic Acid Copolymer	Trade Secret	2.00000	0.00025	None
MBC 12:3	Nashville Chemical	Biocide					

			Glutaraldehyde	111-30-8	12.40000	0.00162	None
			Didecyl dimethyl ammonium chloride	7173-51-5	2.00000	0.00026	None
			Alkyl dimethyl benzyl ammonium chloride (C 12-16)	68424-85-1	1.30000	0.00017	None
			Ethanol	64-17-5	1.00000	0.00013	None
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.							
Other Chemical(s)	Listed Above	See Trade Name(s) List					
			Ammonium chloride	12125-02-9	1.50000	0.00120	
			Acrylic Acid Phosphinate Polymer	Trade Secret	6.00000	0.00076	
			Phosphonic Acid Derivatives	Trade Secret	4.00000	0.00051	
			Didecyl dimethyl ammonium chloride	7173-51-5	2.00000	0.00026	
			Acrylic Acid Copolymer	Trade Secret	2.00000	0.00025	
			Alkyl dimethyl benzyl ammonium chloride (C 12-16)	68424-85-1	1.30000	0.00017	
			Ethanol	64-17-5	1.00000	0.00013	

* 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%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

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