

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	7/5/2023
Job End Date:	8/11/2023
State:	Texas
County:	Ward
API Number:	42-475-38494-00-00
Operator Name:	Point Energy Partners Operating, LLC
Well Name and Number:	UL Dino Juice 18 41 40 45 3BS4 18H
Latitude:	31.62160000
Longitude:	-103.35110000
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	10,903
Total Base Water Volume (gal):	52,035,900
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	87.49881	None
Sand	Sanrol	Proppant	Silica	14808-60-7	100.00000	12.34547	None
ROC-FR2460	Rocanda Enterprises Ltd.	Friction Reducer	Polyacrylamide	9003-05-8	65.00000	0.06843	None
			Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	45.00000	0.04737	None
International Chemicals 12:3	International Chemicals LLC	Biocide	Glutaraldehyde	111-30-8	20.00000	0.00473	None
			Didecyldimethylammonium Chloride	7173-51-5	5.00000	0.00118	None
			Quaternary Ammonium Compounds, Benzyl-C 12-C16-alkyldimethyl, Chlorides	68424-85-1	5.00000	0.00118	None
			Ethanol, aqueous solutions	64-17-5	2.00000	0.00047	None
HYDROCHLORIC ACID HCl 18%	Energy Services Group, Inc.	Acidizing	Water	7732-18-5	84.00000	0.00155	None

			Hydrochloric Acid [Hydrogen Chloride]	7647-01-0	20.00000	0.00037	None
IC621-Iron Control	Solnexus	Iron Control					
			Acetic Acid	64-19-7	60.00000	0.00001	None
			Water	7732-18-5	60.00000	0.00001	None
			Citric Acid	77-92-9	30.00000	0.00000	None
NE116-Plexbreak 116	Chemplex	N/E Surfactant					
			Methanol	67-56-1	50.00000	0.00000	None
			Alkyl Quarternary Ammonium Chlorides	7173-51-5	25.00000	0.00000	None
			Isopropanol	67-63-0	5.00000	0.00000	None
			Diethanolamide	111-42-2	2.00000	0.00000	None
CI200-Corrosion Inhibitor	Economy Polymers	Corrosion Inhibitor					
			Methanol	67-56-1	60.00000	0.00000	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.

* 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)