

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	11/17/2023
Job End Date:	11/17/2023
State:	Texas
County:	Loving
API Number:	42-301-36072-00-00
Operator Name:	ConocoPhillips Company/Burlington Resources
Well Name and Number:	UL 20 GOLD SPOON 2904H
Latitude:	31.674953
Longitude:	-103.329008
Datum:	NAD27
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	11725
Total Base Water Volume (gal)*:	10879215
Total Base Non Water Volume:	0



Water Source	Percent
Produced Water	100.00%

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
100 Mesh Permian	Halliburton	Proppant					
FDP-S1465-22	Halliburton	Friction Reducer					
FE-1A ACIDIZING COMPOSITION	Halliburton	Additive					
FE-2A	Halliburton	Additive					
FightR LX-18	Halliburton	Friction Reducer					
HAI-501	Halliburton	Acid Corrosion Inhibitor					
HYDROCHLORIC ACID 5-10%	Halliburton	Solvent					
Produced Water	Operator	Base Fluid					
TRANSCEND-350W	Halliburton	Surfactant					

Items above are Trade Names. Items below are the individual ingredients.

			Water	7732-18-5	100.00000	87.38845	
			Crystalline silica, quartz	14808-60-7	100.00000	12.29162	None
			Water	7732-18-5	100.00000	0.24576	None
			Petroleum distillates	Proprietary	100.00000	0.06531	None
			Polymer	Proprietary	60.00000	0.03919	None
			Hydrochloric acid	7647-01-0	30.00000	0.02419	None
			Acrylic copolymer	Proprietary	60.00000	0.00573	None
			Ethoxylated alcohols	Proprietary	5.00000	0.00327	None
			Surfactant	Proprietary	5.00000	0.00327	
			Distillates	Proprietary	30.00000	0.00286	
			Acetic anhydride	108-24-7	100.00000	0.00112	
			Citric acid	77-92-9	60.00000	0.00078	
			Acetic acid	64-19-7	60.00000	0.00067	
			Methanol	67-56-1	100.00000	0.00054	
			Sorbitan, mono-9-octadecenoate, (z)	1338-43-8	5.00000	0.00048	None
			Ammonium salt	Proprietary	0.01000	0.00048	None
			Ethoxylated Alcohols	Proprietary	5.00000	0.00048	
			Quaternary ammonium compound salts	Proprietary	5.00000	0.00033	
			Fatty acid, tall-oil	61790-12-3	30.00000	0.00016	None
			Modified thiourea polymer	Proprietary	30.00000	0.00016	
			Ethoxylated Alcohols	Proprietary	30.00000	0.00009	
			Propargyl alcohol	107-19-7	5.00000	0.00003	None
			Hexadecene	629-73-2	5.00000	0.00003	None
			Glycerine	56-81-5	5.00000	0.00001	
			Fatty amine salt	Proprietary	5.00000	0.00001	None
			Ethylene oxide	75-21-8	0.01000	0.00000	None

* Total Water Volume sources may include various types of water including fresh water, produced water, and 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)