

# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	10/17/2023
Job End Date:	11/14/2023
State:	Texas
County:	Ward
API Number:	42-475-38543-00-00
Operator Name:	Continental Resources, Inc
Well Name and Number:	UTL 0708E #0605H
Latitude:	31.64848600
Longitude:	-103.25556700
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	11,612
Total Base Water Volume (gal):	20,852,233
Total Base Non Water Volume:	1,080,419



## 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	Base Carrier Fluid	Water	7732-18-5	100.00000	88.26339	
Sand	Multiple Suppliers	Proppants	Silicon Dioxide	14808-60-7	100.00000	11.47797	
FR-533	SNF	Friction Reducers	Distillates(petroleum), hydrotreated light	64742-47-8	45.00000	0.04698	
			Water	7732-18-5	39.00000	0.04072	
			2-Propenoic acid, polymer with 2-propenamide, sodium salt	25987-30-8	29.00000	0.03028	
			Poly(oxy-1,2-ethanediyl), a-tridecyl-w-hydroxy-, branched	69011-36-5	3.00000	0.00313	
			Sorbitan Monooleate	1338-43-8	2.00000	0.00209	
			Acrylamide(as residual)	79-06-1	0.10000	0.00010	
15% Hydrochloric Acid	Multiple Suppliers	Scale Dissolver	Water	7732-18-5	85.00000	0.08959	
			36% Hydrochloric Acid	7647-01-0	15.00000	0.01581	
SI-625(D-100)	ACE Completions	Scale Inhibitors	Water	7732-18-5	90.00000	0.01371	

			Diethylenetriamine penta methyphosphoric acid sodium salts	22042-96-2	20.00000	0.00305	
			Potassium hydroxide solution	1310-58-3	2.00000	0.00030	
Enviro-Syn® HCR- 7000-WL	Solnexus Chemical	Scale Dissolver					
			Proprietary	Proprietary	20.00000	0.00659	All Components are Trade Secret
			Proprietary	Proprietary	10.00000	0.00330	All Components are Trade Secret
Total 4	Ace Fluid Solutions	Acid Corrosion Inhibitors					
			Ethylene Glycol	107-21-1	70.00000	0.00046	
			DPM	34590-94-8	25.00000	0.00016	
			Acetic Acid	64-19-7	20.00000	0.00013	
			Water	7732-18-5	15.00000	0.00010	
			Citric Acid	77-92-9	10.00000	0.00007	
			Alcohol Ethoxylate	9003-11-6	5.00000	0.00003	
			Amine Sulfonate	26836-07-7	5.00000	0.00003	
			I-123	Proprietary	5.00000	0.00003	
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)