

I am not sure if the well name is incorrect or the API is incorrect. It is put in the file of the API #

## Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	6/24/2023
Job End Date:	7/14/2023
State:	Texas
County:	Andrews
API Number:	42-003-48361-00-00
Operator Name:	Diamondback E&P LLC
Well Name and Number:	UL PAGE 4 2JM1 44 C 2JM
Latitude:	32.46600000
Longitude:	-102.21210000
Datum:	NAD27
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	17,362
Total Base Water Volume (gal):	14,327,291
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
Produced Water	Halliburton	Base Fluid					
			Water	7732-18-5	100.00000	89.48958	Density = 8.34
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	100.00000	0.11317	

HAI-501	Halliburton	Acid Corrosion Inhibitor					
				Listed Below			
FE-1A ACIDIZING COMPOSITION	Halliburton	Additive					
				Listed Below			
TRANSCEND- 350	Halliburton	Surfactant					
				Listed Below			
100 Mesh Permian	Halliburton	Proppant					
				Listed Below			
Rockwater FR- 1045	Rockwater Energy Solutions	Friction Reducer					
				Listed Below			
HYDROCHLORI C ACID, 10-30%	Halliburton	Solvent					
				Listed Below			
LP-65 MC	Halliburton	Scale Inhibitor					
				Listed Below			
FIGHTR-HSD	Halliburton	Friction Reducer					
				Listed Below			
FE-2A	Halliburton	Additive					

				Listed Below			
Sand-Premium White-40/70	Halliburton	Proppant					
				Listed Below			
Items above are Trade Names with the exception of Base Water . Items below are the individual ingredients.							
			Crystalline silica, quartz	14808-60-7	100.00000	10.38287	
			Hydrochloric acid	7647-01-0	60.00000	0.05562	
			Polymer salt	Proprietary	100.00000	0.00921	
			Ethoxylated alcohols	Proprietary	30.00000	0.00609	
			Mineral Oil	Proprietary	30.00000	0.00135	
			Methanol	67-56-1	100.00000	0.00127	
			Fatty amine salt	Proprietary	5.00000	0.00101	
			Surfactant	Proprietary	10.00000	0.00045	
			Acetic anhydride	108-24-7	100.00000	0.00017	
			Acetic acid	64-19-7	60.00000	0.00012	
			Citric acid	77-92-9	60.00000	0.00012	
			Organic phosphonate	Proprietary	60.00000	0.00011	
			Modified thiourea polymer	Proprietary	30.00000	0.00010	
			Mixture of dimer and trimer fatty acids of indefinite composition derived from tall oil	61790-12-3	30.00000	0.00010	
			Ammonium chloride	12125-02-9	30.00000	0.00006	
			Propargyl alcohol	107-19-7	5.00000	0.00002	
			Hexadecene	629-73-2	5.00000	0.00002	
			Diammonium phosphate	7783-28-0	5.00000	0.00001	
			Ethylene oxide	75-21-8	0.01000	0.00000	

\* 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%

\*\*\* If you are calculating a percentage of total ingredients do not add the water volume below the green line to the water volume above the green line

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)