

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	7/26/2023
Job End Date:	8/18/2023
State:	Texas
County:	Martin
API Number:	42-317-44621-00-00
Operator Name:	Diamondback E&P LLC
Well Name and Number:	UL ADDIE 41 27 A 1JM MARTIN 1JM
Latitude:	32.46090000
Longitude:	-102.19940000
Datum:	NAD27
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	9,078
Total Base Water Volume (gal):	23,439,868
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	89.41489	Density = 8.50
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	100.00000	0.02907	

HAI-501	Halliburton	Acid Corrosion Inhibitor					
				Listed Below			
Bexco LG 1W4	Bexco Solutions	Gelling Agent					
				Listed Below			
Sand-Common White-100 Mesh, SSA-2	Halliburton	Proppant					
				Listed Below			
FR-1045	Rockwater Energy Solutions	Friction Reducer					
				Listed Below			
TRANSCEND-350	Halliburton	Surfactant					
				Listed Below			
FE-1A ACIDIZING COMPOSITION	Halliburton	Additive					
				Listed Below			
FIGHTR-HSD	Halliburton	Friction Reducer					
				Listed Below			
FE-2A	Halliburton	Additive					
				Listed Below			
LP-65 MC	Halliburton	Scale Inhibitor					

				Listed Below			
HYDROCHLORIC ACID, 10-30%	Halliburton	Solvent					
				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	10.54387	
			Hydrochloric acid	7647-01-0	60.00000	0.01719	
			Polymer salt	Proprietary	100.00000	0.00901	
			OTHER COMPONENTS BELOW REPORTABLE LEVEL	Proprietary	80.00000	0.00107	
			Distillates (petroleum),	64742-47-8	70.00000	0.00093	
			MINERAL	Proprietary	30.00000	0.00040	
			Methanol	67-56-1	100.00000	0.00039	
			Acetic anhydride	108-24-7	100.00000	0.00027	
			Citric acid	77-92-9	60.00000	0.00017	
			Acetic acid	64-19-7	60.00000	0.00016	
			SURFACTANT	Proprietary	10.00000	0.00013	
			Ethoxylated alcohols	Proprietary	30.00000	0.00007	
			Organic phosphonate	Proprietary	60.00000	0.00004	
			Modified thiourea polymer	Proprietary	30.00000	0.00003	
			Mixture of dimer and trimer fatty acids of indefinite composition derived from tall oil	61790-12-3	30.00000	0.00003	
			Ammonium chloride	12125-02-9	30.00000	0.00002	
			Fatty amine salt	Proprietary	5.00000	0.00001	
			Propargyl alcohol	107-19-7	5.00000	0.00001	
			Hexadecene	629-73-2	5.00000	0.00001	
			Diammonium phosphate	7783-28-0	5.00000	0.00000	
			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)