Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	10/11/2016
Job End Date:	10/15/2016
State:	Texas
County:	Andrews
API Number:	42-003-47364-00-00
Operator Name:	Elevation Resources, LLC
Well Name and Number:	University 9-28 West Unit #2H
Latitude:	32.16101700
Longitude:	-102.59404300
Datum:	NAD27
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	8,400
Total Base Water Volume (gal):	5,413,548
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
Fresh Water	Elevation Resources	Carrier / Base Fluid					
			Water	7732-18-5	100.00000	89.55804	
30-50 mesh White Sand, Area 1	Universal Pressure Pumping, Inc.	PROPPANT					
			Silica, Quartz, SiO2	14808-60-7	100.00000	5.32524	
100 mesh White Sand, Area 1	Universal Pressure Pumping, Inc.	PROPPANT					
			Silica, Quartz, SiO2	14808-60-7	100.00000	1.71153	
Preferred RCS	Universal Pressure Pumping, Inc.	Resin Coated Proppants					
			QUARTZ (SI02) (CRYSTALLINE SILICA)	14808-60-7	98.00000	1.58026	
			POLYURETHANE RESIN	00-00-0	5.00000	0.08063	
			COLORANT	00-00-0	1.00000	0.01613	
15% HCl Acid, Area 1	Universal Pressure Pumping, Inc.	HYDROCHLORIC ACID (Uninhibited)					
			Water	7732-18-5	74.00000	0.98271	
			Hydrogen Chloride	7647-01-0	37.00000	0.49136	
WGA-1A SLR	Universal Pressure Pumping, Inc.	GELLING AGENTS FOR WATER					
			Petroleum Distillates	64742-47-8	60.00000	0.12578	

			Polysaccharide blend	00-00-0	60.00000	0.12578	
WFR-4	Universal Pressure Pumping, Inc.	FRICTION REDUCERS					
			Isoparaffinic Solvent	64742-47-8	45.00000	0.04173	
			Water	7732-18-5	35.00000	0.03245	
			Copolymer of acrylamide and sodium acrylate	25987-30-8	34.00000	0.03153	
			Surfactant blend	00-00-0	6.00000	0.00556	
NE-1	Universal Pressure Pumping, Inc.	NON-EMULSIFIER AND DE-EMULSIFIERS					
			Water	7732-18-5	66.00000	0.05996	
			Methyl Alcohol	67-56-1	15.00000	0.01363	
			Ethylene Glycol Monobutyl Ether	111-76-2	15.00000	0.01363	
			Cocamide Diethanolamine Salt	68603-42-9	10.00000	0.00908	
			Diethanolamine	111-42-2	5.00000	0.00454	
CX-9	Universal Pressure Pumping, Inc.	CROSSLINKERS AND DELAYERS					
			Water	7732-18-5	75.00000	0.04294	
			Potassium Metaborate	13709-94-9	30.00000	0.01717	
			Ethylene Glycol	107-21-1	10.00000	0.00572	
			Potassium Hydroxide	1310-58-3	5.00000	0.00286	
I-2L	Universal Pressure Pumping, Inc.	IRON CONTROL ADDITIVES					
			ACETIC ACID	64-19-7	82.00000	0.00549	
			Water	7732-18-5	20.00000	0.00134	
CIA - 5	Universal Pressure Pumping, Inc.	ACID CORROSION INHIBITORS					
			Methyl Alcohol	67-56-1	40.00000	0.00215	
			PROPARGYL ALCOHOL	107-19-7	8.00000	0.00043	
B-5E	Universal Pressure Pumping, Inc.	BREAKERS AND BREAKER CATALYSTS					
			Ammonium Persulfate	7727-54-0	60.00000	0.00131	
			Cured Acrylic Resin	00-00-0	25.00000	0.00055	
			Silica, Crystalline - Quartz	14808-60-7	16.00000	0.00035	

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)