

Hydraulic Fracturing Fluid Product Component Information Disclosure: Maximum Ingredient Weight in Pounds Format



BAKER HUGHES

	10/05/2012
Last Fracture Date	
State:	California
County:	Kern
API Number:	04-030-48366
Operator Name:	Aera Energy Llc
Well Name and Number:	533A1-33
Longitude:	-119.7197662
Latitude:	35.4502985
Long/Lat Projection:	NAD83
Production Type:	Oil
True Vertical Depth (TVD):	860
Total Chemical Mass (lbs)*:	302,779
Total Max. Ingredient Mass (lbs)*:	302,925
Total Product Volume (gal)*:	28,782
Total Water Volume (gal)*:	24,108

Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Weight in HF Fluid (lbs mass)	Comments
Water	Operator	Carrier	Water	7732-18-5	100.00%	201,008	
Enzyme G-I	Baker Hughes	Breaker	Hemicellulase Enzyme Concentrate	9025-56-3	3.00%	3.501876	SmartCare Product
			Water	7732-18-5	97.00%	113.227324	
Clay Master-5C (Tote)	Baker Hughes	Clay Control	Oxyakylated Amine Quat	138879-94-4	60.00%	141.658560	
XLW-10A	Baker Hughes	Crosslinker	Ethylene Glycol	107-21-1	30.00%	59.850000	SmartCare Product
			Sodium Hydroxide	1310-73-2	10.00%	19.950000	
			Sodium Tetraborate	1330-43-4	30.00%	59.850000	

