

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



# BAKER HUGHES

	09/18/2012
Last Fracture Date	
State:	California
County:	Kern
API Number:	04-030-47963
Operator Name:	Aera Energy Llc
Well Name and Number:	927RR-28
Longitude:	-119.7225004
Latitude:	35.4575283
Long/Lat Projection:	NAD83
Production Type:	Oil
True Vertical Depth (TVD):	1,620
Total Chemical Mass (lbs)*:	607,511
Total Max. Ingredient Mass (lbs)*:	607,676
Total Product Volume (gal)*:	61,607
Total Water Volume (gal)*:	54,516

## 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%	454,544	
Enzyme G-I	Baker Hughes	Breaker	Hemicellulase Enzyme Concentrate	9025-56-3	3.00%	8.504556	SmartCare Product
			Water	7732-18-5	97.00%	274.980644	
Clay Master-5C (Tote)	Baker Hughes	Clay Control	Oxyakylated Amine Quat	138879-94-4	60.00%	377.756160	
XLW-10A	Baker Hughes	Crosslinker	Ethylene Glycol	107-21-1	30.00%	204.750000	SmartCare Product
			Sodium Hydroxide	1310-73-2	10.00%	68.250000	
			Sodium Tetraborate	1330-43-4	30.00%	204.750000	

