

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



**BAKER
HUGHES**

	10/04/2012
Last Fracture Date	
State:	California
County:	Kern
API Number:	04-030-48370
Operator Name:	Aera Energy Llc
Well Name and Number:	934SR-33
Longitude:	-119.7192584
Latitude:	35.4485044
Long/Lat Projection:	NAD83
Production Type:	Oil
True Vertical Depth (TVD):	981
Total Chemical Mass (lbs)*:	259,694
Total Max. Ingredient Mass (lbs)*:	259,851
Total Product Volume (gal)*:	27,363
Total Water Volume (gal)*:	24,948

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%	208,011	
X-Cide 207	Baker Hughes	Biocide	2-Methyl-4-Isothiazolin-3-One	2682-20-4	5.00%	0.600000	
			5-Chloro-2-Methyl-4-Isothiazolin-3-One	26172-55-4	10.00%	1.200000	
			Crystalline Silica: Cristobalite	14464-46-1	1.00%	0.120000	
			Crystalline Silica: Quartz (SiO2)	14808-60-7	1.00%	0.120000	
			Diatomaceous Earth, Calcined	91053-39-3	60.00%	7.200000	
			Magnesium Chloride	7786-30-3	5.00%	0.600000	

[illegible]