

Hydraulic Fracturing Fluid Product Component Information Disclosure							
	Fracture Date	7/23/2012					
	State:	LOUISIANA					
	County:	BEAUREGARD					
	API Number:	17-011-21135					
	Operator Name:	EP ENERGY					
	Well Name and Number:	PWK 10-1					
	Longitude:	-93.280278					
	Latitude:	30.553056					
	Long/Lat Projection:	NAD27					
	Production Type:	Oil					
True Vertical Depth (TVD):		11,499					
Total Water Volume (gal)*:		117,498					
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
CL-23	HALLIBURTON	CROSSLINKER	AMMONIUM CHLORIDE	12125-02-6	30.00%	0.05850%	
CL-23	HALLIBURTON	CROSSLINKER	ZIRCONIUM, ACETATE LACTATE OXO	68909-34-2	60.00%	0.11690%	
LGC-36 UC	HALLIBURTON	GELLING AGENT	NAPHTHA, HYDROTREATED HEAVY	64742-48-9	60.00%	0.32780%	
LGC-36 UC	HALLIBURTON	GELLING AGENT	GUAR GUM	9000-30-0	60.00%	0.32780%	
BA-40L	HALLIBURTON	BUFFER	POTASSIUM CARBONATE	584-08-7	60.00%	0.05110%	
BE-6	HALLIBURTON	BIOCIDE	2-BROMO-2-NITRO-1,3-PROPANEDIOL	52-51-7	100.00%	0.03320%	
BE-3S	HALLIBURTON	BACTERICIDE	2-MONOBROMO-3-NITRILOPROPIONAMIDE	1113-55-9	5.00%	0.00170%	
BE-3S	HALLIBURTON	BACTERICIDE	2,2-DIBROMO-3-NITRILOPROPIONAMIDE	10222-01-2	100.00%	0.03320%	
VICON NF	HALLIBURTON	BREAKER (OXIDANT)	CHLOROUS ACID, SODIUM SALT	7758-19-2	10.00%	0.02770%	
VICON NF	HALLIBURTON	BREAKER (OXIDANT)	SODIUM CHLORIDE	7647-14-5	30.00%	0.08300%	
AQF-2	HALLIBURTON	FOAMING AGENT	DIETHYLENE GLYCOL	111-46-6	10.00%	0.03910%	
AQF-2	HALLIBURTON	FOAMIMG AGENT	ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	30.00%	0.11740%	

