

Hydraulic Fracturing Fluid Product Component Information Disclosure

Fracture Date:	9/26/2011
State:	New Mexico
County:	Rio Arriba
API Number:	30-039-30847
Operator Name:	Conoco Phillips
Well Name and Number:	San Juan 27-4 94P
Longitude:	
Latitude:	
Long/Lat Projection:	
Production Type:	Gas
True Vertical Depth (TVD):	
Total Water Volume (gal)**:	145,866

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
Water	Carrier		Water	7732-18-5	100.00%	61.02618%	
KCl	Clay Stabilizer		Potassium Chloride	7447-40-7	100.00%	1.23273%	
Nitrogen	Carrier		Nitrogen	7727-37-9	100.00%	26.23436%	
Frac Sand (All Mesh)	BHI	Proppant	Crystalline Silica (Quartz)	14808-60-7	100.00%	10.28064%	
Ferrotrol 300L	BHI	Iron Control	Citric Acid	77-92-9	70.00%	0.00226%	
GBW-5	BHI	Breaker	Ammonium Persulfate	7727-54-0	100.00%	0.00564%	
Hydrochloric Acid, 1	BHI	Acidizing	Hydrochloric Acid	7647-01-0	15.00%	0.12486%	
Water			Water	7732-18-5	85.00%	0.70755%	
CI-27	BHI	Corrosion Inhibitor	Methanol	67-56-1	60.00%	0.00092%	
			Thiourea Polymer	68827-49-1	30.00%	0.00046%	
			Tail Oil Acid	61790-12-3	30.00%	0.00046%	
			Ethoxylated Alcohols ⁴ C14-15	68951-67-7	30.00%	0.00046%	
			Propargyl Alcohol	107-19-7	10.00%	0.00015%	
			Alkenes ⁴ C>10 Alpha-	64743-02-8	5.00%	0.00008%	

BEFORE THE OIL CONSERVATION

COMMISSION

Santa Fe, New Mexico

Case No. 14753 Exhibit No. 3

Submitted by:

THE NEW MEXICO OIL & GAS ASSOCIATION

Hearing Date: November 17, 2011

Info 250W	BHI	Surfactant	Surfactants	CBI	80.00%	0.03571%
			2-Butoxyethanol	111-76-2	20.00%	0.00893%
			Methanol	67-56-1	30.00%	0.01339%
FRW-20	BHI	Friction Reducer	Hydrotreated Light Distillate	64742-47-8	30.00%	0.00885%
FAW-4	BHI	Foamer	Ethylene Glycol Monobutyl Ether	111-76-2	10.00%	0.01372%
			Isopropanol	67-63-0	20.00%	0.02743%
FAC-3W	BHI	Gellant	Isopropanol	67-63-0	30.00%	0.04091%
			Trimethyloctadecylammonium Chloride	112-03-8	40.00%	0.05455%
			Sodium Xylene Sulphonate	1300-72-7	40.00%	0.05455%
Alpha 1427	BHI	Biocide	Glutaraldehyde	111-30-8	30.00%	0.03354%
			Quaternary Ammonium Chloride	7173-51-5	10.00%	0.01118%
			Alkyl Dimethyl Benzyl Ammonium Chloride	68424-85-1	7.00%	0.00782%
			Ethanol	64-17-5	5.00%	0.00559%
			Water	7732-18-5	60.00%	0.06707%

* 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%

All component information listed was obtained from the supplier's Material Safety Data Sheets (MSDS). As such, the Operator is not responsible for inaccurate and/or incomplete information. Any questions regarding the content of the MSDS should be directed to the supplier who provided it. The Occupational Safety and Health Administration's (OSHA) regulations govern the criteria for the disclosure of this information. Please note that Federal Law protects "proprietary", "trade secret", and "confidential business information" and the criteria for how this information is reported on an MSDS is subject to 29 CFR 1910.1200(i) and Appendix D.