

Hydraulic Fracturing Fluid Product Component Information Disclosure

Fracture Date:	7/15/2012
State:	New Mexico
County:	Eddy
API Number:	30-015-37590
Operator Name:	EOG Resources, Inc
Well Name and Number:	EIK Wallow 11 State #03H
Longitude:	-103.9514549
Latitude:	32.1514415
Long/Lat Projection:	NAD27
Production Type:	Oil
True Vertical Depth (TVD):	7,332
Total Water Volume (gal)*:	5,348,952

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	EOG	Carrier/Base Fluid	Water	7732-18-5	100.00%	87.74475%	
Sand	EOG	Proppant	Crystalline Silica	14808-60-7	100.00%	11.57614%	
Hydrochloric Acid	Trican Well Service	Acid	Hydrogen Chloride	7647-01-0	7.50000%	0.04323%	
FR-12	Economy Polymers & Chemicals	Anionic Friction Reducer	Anionic Polyacrylamide Copolymer	25987-30-8	25.00000%	0.01044%	
			Petroleum Distillate	64742-47-8	80.00000%	0.03340%	
			Ammonium Chloride	12125-02-9	2.00000%	0.00084%	
WBO-1	Trican Well Service	Oxidizer	Ammonium Persulfate	7727-54-0	98.00%	0.00493%	
S-15	Trican Well Service	Nonionic Nonemulsifier	Methyl Alcohol	67-56-1	20.00000%	0.00802%	
			Alcohol Alkoxylate	NA	20.00000%	0.00802%	
ScaleSorb 3	Baker Hughes	Scale Inhibitor	Diatomaceous earth, calcined	91053-39-3	100.00%	0.01416%	
			Amino alkyl phosphonic acid	Trade Secret	30.00000%	0.00425%	
			Phosphonic Acid	13598-36-2	1.00000%	0.00014%	
			Crystalline silica: Quartz (SiO2)	14808-60-7	1.00000%	0.00014%	

Hydraulic Fracturing Fluid Composition:

[illegible]

* 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.