

# 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%	

