To create productive natural gas wells, companies force fluid thousands of feet below the surface at high pressure to crack shale rock and release trapped natural gas. This extraction technique is called hydraulic fracturing. The fluid used in the process is made up almost entirely of water and sand. However, it also includes a very small percentage of chemical additives that help make the process work.

The fluid from the hydraulic fracturing process is nearly 99.5% WATER & SAND.

90% WATER

9.5% SAND

0.5% CHEMICAL ADDITIVES

SODIUM CHLORIDE used in table salt
ETHYLENE GLYCOL used in household cleaners
BORATE SALTS used in cosmetics
SODIUM/POTASSIUM CARBONATE used in detergent
GUAR GUM used in ice cream
ISOPROPAÑOL used in deodorant

Typical Additives Used in Fracturing Fluid and COMMON HOUSEHOLD ITEMS