HYDRAULIC FRACTURE
or,
HYDROFRACTURE
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Words and definitions are important!

**Fracking** (Generic - all processes)
"process that results in the creation of fractures in rocks"

**Hydraulic fracturing**
(used by energy industry – very high pressures – complex fluid recipes – used to aid release of gas)

**Hydrofracking**
(used by water well industry – nearly always water only – enhances flow in low yield bedrock wells)
A hydrofracture “packer” about to be lowered into a well

Packers seal off parts of the well and hydraulic pressure is then used to open up bedrock cracks and increase water flow
Hydrofracture to increase water yield from a bedrock well
The scale of fracking operations is intimidating for the public and communities.
Fracking – water, sand and ... 

- Acids
- Friction reducers
- Surfactants
- Gelling agents
- Scale inhibitors
- pH adjustors
- Corrosion inhibitors
- Anti-bacterial agents
- Clay stabilizers
- Breakers
- Cross linkers

Hydraulic Fracture Energy industry

Hydro-fracture Water well industry

- rarely uses any additives