

Technical Data Sheet

AquaGel

Water Soluble Safe Gel Pig



PRODUCT DESCRIPTION

AquaGel is an environmentally safe, water soluble viscoelastic SafeGel Pig. In contrast to rigid mechanical pigs, AquaGel contains shear thinning with comprehensive deformable/reformable characteristics.

BENEFITS & APPLICATIONS

- Surveillance runs for mapping internal pipeline geometry
- Beneficial for locating pipeline restrictions
- Rheological properties suspend and transport solid particles
- Used as a spacer to prevent intermixing of incompatible fluids
- Used in conjunction with de-oiling chemicals reduces the normal seawater displacement requirements by as much as 300%
- Conventional pig launching and receiving devices are unnecessary
- The viscoelastic shear thinning effect allows for increased efficiency in solids removal, suspension and transportation compared to foaming agents or mechanical pigs
- Contains shape-memory characteristics that enable pigging of multi-diameter geometries in a single run
- Fluid properties allow core center transport, preventing the "Bulldozer" affect caused by many mechanical pigs
- Fluid properties penetrate restricted areas easier than oil or water

TREATMENT RECOMMENDATION

AquaGel can be used as a ready-to-pump blend or as a concentrate for on-site blending. This gel product can be weighted in various brines compositions to densities ranging from 8.34 to 12.5 lbs./gal. It can also be used in foamed systems down to 3.0 lbs./gal.

TYPICAL PHYSICAL PROPERTIES

Appearance.....	Opaque Liquid
Specific Gravity.....	1.00 -1.50
Flash Point.....	>200 ° F
Auto-Ignition	N A
Solubility in Water.....	Soluble
Solubility in Oil.....	Insoluble

PACKAGING

AquaGel is available in 5-gallon (19-liter) pails and 55-gallon (208-liter) drums as a concentrate, or can be shipped in transportable tote tanks for ready-to-pump applications.