FRITZ Industries, Inc.
Oilfield Chemicals

CLAY STABILIZER
Cationic Clay Stabilizer

DESCRIPTION

Fritz Clay Stabilizer is resin with a cationic charge used to treat clays to prevent swelling.

ADVANTAGES

- The low molecular weight resin reacts with clays to form microflakes.
- These microflakes do not have adhesive properties like cationic polyacrylamide polymers.

APPLICATION

- Fritz Clay Stabilizer is used to treat clays to prevent swelling in completion and drilling applications.
- A concentration of 1 to 3% by weight of solids is generally required.

PROPERTIES

- Slightly Opaque Liquid
- Activity – 48 to 52% by weight
- Specific Gravity – 1.19
- pH – 3.0 to 5.0
- Charge – Cationic
- Solubility – Freely Soluble

EXAMPLE

A bentonite clay suspension was prepared using 10 percent bentonite by weight of water. The viscosity was 7200 cPs. A solution of Fritz Clay Stabilizer at 3 percent (1.5% active) by weight of water was prepared and 10 percent bentonite by weight of water was added. The resultant viscosity was 8 cPs indicating that the bentonite was flocculated. The solids settled very rapidly. The clay was not sticky. The clay was filtered to remove the water and was resuspended in fresh water. There was no viscosity increase, 8 cPs, indicating that the clay remained flocculated.

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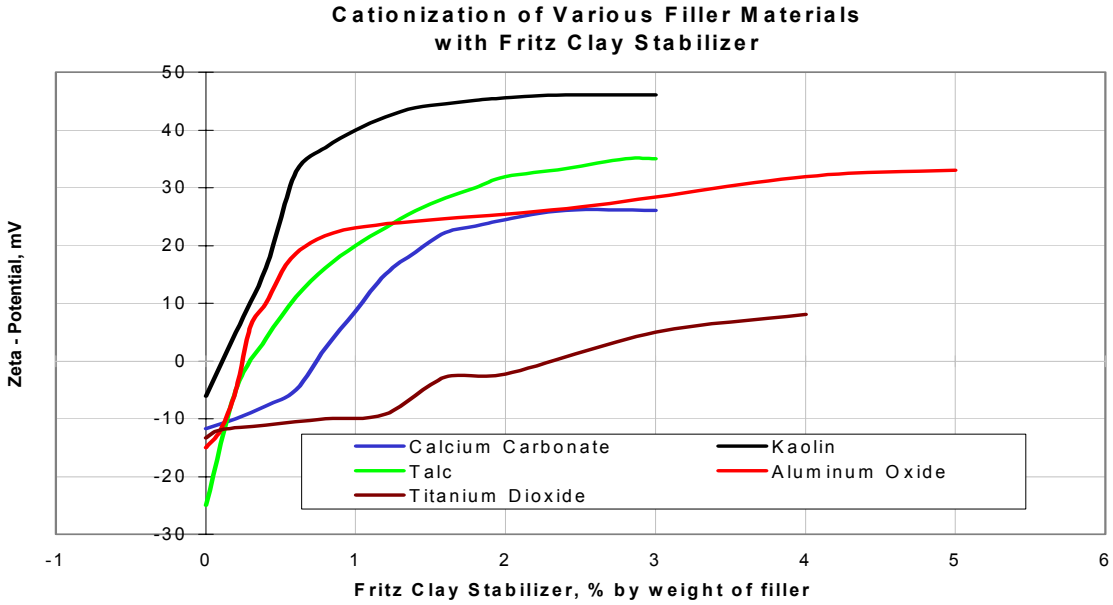

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