BaraSure™ W-590

SHALE STABILIZER

Product Description

BaraSure™ W-590 (formerly BDF™-590) shale stabilizer is used to inhibit the hydration of formations containing reactive clays and shales. It is effective in the majority of water-based drilling fluids, from freshwater to high salinity at temperatures up to 400°F (204°C). The optimal mode of use of the BaraSure W-590 shale stabilizer is pH 7 - 10, but it is also effective in the lime muds. BaraSure W-590 shale stabilizer helps reduce bit-balling and improves drill solids removal. When using the BaraSure W-590 shale stabilizer together with thickeners based on bentonite, the bentonite should be pre-hydrated before it’s added into the drilling mud. BaraSure W-590 shale stabilizer can effectively be used instead of potassium chloride in drilling fluids for production intervals.

Applications/Functions

BaraSure W-590 shale stabilizer can be used to inhibit reactive clays and shale hydration.

Advantages

» Helps reduce the potential for bit-balling
» Helps improve drill solids removal
» Effective in fresh water, sea water, salt water, lime, and low solids systems
» Fully soluble in water
» Can replace potassium chloride in pay zones

Typical Properties

» Appearance: Transparent yellow liquid
» Specific gravity: 1.1 – 1.2

Recommended Treatment

Recommended concentration of BaraSure W-590 shale stabilizer is 4-7 lb/bbl (11.4-20 kg/m³).

Note: In case of using bentonite as a viscosifier with BaraSure W-590 shale stabilizer, it is necessary to pre-hydrate bentonite before adding into the mud system.

Packaging

BaraSure W-590 shale stabilizer is packaged in 230-l (276-kg) steel drums.