BORE-HIB®

SHALE STABILIZER

Product Description

BORE-HIB® shale stabilizer is a liquid blend that can provide inhibition and stabilization of highly reactive clays. It helps to seal pores and micro-fractures in the formation, reduce bit-balling and accretion tendencies, and reduce corrosion. BORE-HIB shale stabilizer has no hydrocarbons or synthetic oils and can be used in applications up to 325°F (163°C). BORE-HIB shale stabilizer is incompatible with divalent ions. If used with sea water, hardness should be treated out prior product addition or dilution.

Applications/Functions

» Used in water-based fluid to help provide inhibition and stabilization of highly reactive clay and shale formations
» Helps seal pores and micro-fractures in the formation
» Helps reduce bit-balling and accretion tendencies
» Helps increase mud lubricity

Advantages

» System can provide clay stabilization performance similar to oil-based mud inhibition in a water-based fluid
» No hydrocarbons or synthetic oils
» Can be used in applications up to 325°F (163°C)

Typical Properties

» Appearance: Dark yellow liquid
» Specific Gravity: 1.36
» pH: 11.9

Recommended Treatment

Add 1.0 - 4.0% by volume of BORE-HIB shale stabilizer per finished barrel of fluid.

Control LGS <7% v/v. Can be used in seawater, fresh water, or monovalent brines. BORE-HIB shale stabilizer can be added while drilling highly reactive clays and stopped while drilling sand packages. BORE-HIB shale stabilizer can be depleted when drilling anhydrite, green cement, or calcium chloride, or when exposed to H₂S or CO₂.

Packaging

BORE-HIB shale stabilizer is packaged in 5-gal (18.9-l), 55-gal (208-l) drums and in bulk.