BDF™-442

FILTER CAKE BREAKER

Product Description

BDF™-442 filter cake breaker is an acid compatible cleaner for removal of filter cake from non-aqueous reservoir drilling fluids. BDF-442 filter cake breaker is suitable for high salinity brines and is designed to work with acid to change the wettability of the solids in the filter cake from oil-wet to water-wet while the acid dissolves carbonates in the filter cake in a single step. BDF-442 filter cake breaker can be used with live acid or N-FLOW™ delayed acid generators.

Applications/Functions

» Used as a wash treatment in conjunction with acid to clean oil-based filter cake solids
» This surfactant is not part of the drill-in fluid formulation thereby minimizing probability of whole fluid inversion
» With acid, the clean-up will render the well-bore water wet
» Mutual solvent soaks or washes before acidizing are no longer required
» Facilitates wellbore cleanup, thereby reducing rig time and broadening use of oil based drill-in fluids

Advantages

» Acid compatible
» Removes non-aqueous filter cake
» Reduces lift off pressure
» Can be used with live acid or N-FLOW delayed acid generators
» Can be used in fresh water or brines

Typical Properties

» Appearance: Clear liquid
» Specific Gravity: 1.04
» Freezing point: < 27°F (< 3.0°C)
» Flash point: > 201°F (> 94°C)

Recommended Treatment

Use in combination with live acid or N-FLOW delayed acid generators. Add 0.25% to 2.5% (v/v) to cleaning fluid (brine and acid) to be used for treating the wellbore. For best results, use between 1 and 2.5 % (v/v). Recommended for high salinity brines.

Packaging

BDF-442 filter cake breaker for oil-based drill-in fluids is available in 55-gal (208-l) drums.