

BDF™-443

Filter Cake Breaker

Product Description

BDF™-443 filter cake breaker is an acid compatible cleaner for removal of filter cake from non-aqueous reservoir drilling fluids. BDF-443 filter cake breaker is suitable for low salinity brines and fresh water. BDF-443 filter cake breaker is designed to work with acid to change the wettability of the solids of the filter cake from oil-wet to water-wet while the acid dissolves carbonates in the filter cake in a single step. BDF-443 cleaner 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 cleanup will render the wellbore 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
- Leaves formation water wet
- Can be used with live acid or N-FLOW delayed acid generators
- Can be used in fresh water or brine (May not be soluble in all high salinity brines)

Typical Properties

- Appearance: Pale yellow liquid
- Specific gravity: 1.04
- Pour point: 60°F (15.5°C)
- Flash point: > 212°F (> 100°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)

Packaging

BDF-443 filter cake breaker for oil-based drill-in fluids is available in 55-gal drums (441 lbs).

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