BDF™-638

VISCOSIFIER

Product Description

BDF™-638 viscosifier is a proprietary synthetic polymer additive. The structure of BDF-638 features strongly bonded chemical linkages and cross-linked chains which deliver exceptional high temperature stability. BDF-638 is intended as the primary viscosifier and filtration control agent for the BaraDrilN™ X HPHT drill-in fluid system. BDF-638 is also suitable for sweeps, spacers and fluid loss control pills when stability and performance has to be maintained under HPHT conditions. BDF-638 will maintain rheology, suspension and hole cleaning performance under extended HPHT exposure. BDF-638 is designed to viscosify divalent brines to deliver high density fluids whilst avoiding the use of potentially damaging solids.

Applications/Functions

» Viscosifier for BaraDrilN X HPHT drill-in fluid system
» Viscosifier for divalent fluid systems
» High temperature drilling, completion and workover operations

Advantages

» Fully compatible with divalent brines
» Long term stability up to 425°F (218°C)
» Maintains reservoir permeability protection

Typical Properties

» Appearance: White powder
» Flash Point: >212°F (>100°C)
» Bulk density, compacted: 15 lb/ft³ (240 kg/m³)

Recommended Treatment

BDF-638 is designed to be used in the BaraDrilN X drill-in fluid but may be specified for other HPHT duties. BaraDrilN X and solids suspension applications require an initial loading of 6-12 lb/bbl (17-34 kg/m³) BDF-638 polymer. Although BDF-638 will viscosify monovalent brine, the thermal stability of the polymer is maximized in calcium chloride and bromide brines. Pilot testing should be conducted for all applications in order to demonstrate suitable fluid performance.

Packaging

BDF-638 viscosifier is packaged in 50 lb (22.7kg) kegs.