PRODUCT DATA SHEET

BDF™-662

SHALE STABILIZER

Product Description

BDF™-662 shale stabilizer is treated natural asphalt, engineered to be highly dispersible and compatible with all drilling fluids. It is used in stabilizing shale sections, controlling HPHT fluid loss, minimizing spurt loss and sealing micro-fractured shale. It is comparable to gilsonite-based products and other black powders, with a softening point above 400°F (204°C). An increase in viscosity at low temperatures can be observed. It is stable to many normal drilling fluid contaminants and operates at a broad pH range. BDF-662 shale stabilizer helps to form a thin yet tough wall cake, whereby the small particles can effectively plug micro-fractures and shale pores.

Applications/Functions

» Free-flowing black powder; added directly to any fluid system
» Readily disperses in water-based and oil-based fluids
» Reduces high temperature fluid loss

Advantages

» Improves wellbore stability in water-based fluids at high temperatures
» Thermal stability beyond 400°F (204°C)

Typical Properties

» Appearance: Black powder; granular
» Solubility: Water Dispersible; Oil Dispersible
» Specific Gravity: 1.2 – 1.5
» Softening Point: >400°F (>204°C)
» Moisture Content: <10%

Recommended Treatment

For optimum results, an initial treatment of 2 to 8-lb/bbl with daily treatments of up to 0.5-lb/bbl is recommended. Pilot testing is always recommended to determine proper treatment to achieve desired fluid properties.

Packaging

BDF-662 is packed in 50-lb (22.7-kg) sacks.