



Drilling Fluids, Inc.

Fluid Loss Control

Description

STARPAK®

STARPAK® is a low viscosity fluid loss control agent for a variety of water based drilling fluids. This highly derivatized, complexed polyose ether blend has several unique properties and advantages over traditional unmodified starch polymers used in drilling fluids.

Uses

STARPAK® effectively controls fluid loss in a wide range of water based fluids including low solids, non-dispersed, high solids lignosulfonate dispersed, KCl, seawater and brine type systems

Benefits

STARPAK® provides filtration control with minimal viscosity increase. It shows excellent performance within high solids systems. While not a cellulosic, STARPAK® exceeds API performance requirements for LV CMC.

Treatment

2.0 ppb in fresh water should yield a 10.0 cc or less filtrate under API conditions. With the addition of 0.5 ppb GEOZAN as a viscosifier, a very effective low solids low filtrate drilling fluid with high LSRV (Low Shear Rate Viscosity) can be economically built.

0.75 ppb GEOZAN gum with 5 ppb STARPAK® will yield a 20,000 centipose viscosity ("Brookfield Viscosity")™ when using the #3 spindle at 0.063 sec⁻¹.

Function

At low shear rates STARPAK® exhibits a synergistic relationship with low levels of GEO ZAN and GEO GEL. STARPAK® makes a very effective low solids low filtrate drilling fluid with high LSRV (Low Shear Rate Viscosity).

