AMC FILTREX™ Filtrate Control Additives

IMDEX

Description

FILTREX[™] is a liquid fluid loss control additive that helps to stabilize troublesome and unstable formations. It's deformable structure physically plugs micro fractures and creates a robust flexible film or seal over the borehole wall.

Application

FILTREX[™] can be utilised in conventional rotary drilling or air drilling to stabilise brittle or water-sensitive formations as well as unconsolidated gravels and sands. FILTREX[™] is most effective in air drilling applications when only minimal amounts of water are likely to be encountered.

FILTREXTH reduces the rate at which drilling fluid pressure invades the formation during drilling. It can also be used when drilling into reactive clays and shales, reducing pore pressure transmission, and improving filtrate control.

For best results in unconsolidated gravel and sands in air drilling, apply on the rod change the unconsolidated formation is encountered and do so onwards thru to when consolidated formation is encountered again. When utilised in air drilling applications it is important that it not be run thru the piston and run air on low stage, if possible, during use.

Recommended Treatment

FILTREX[™] is added to a water-based fluid system at a rate of 10 – 50L / m³, preferably directly into the flow line or the agitator tank and not through the hopper, as foaming may occur.

For RC applications, FILTREX is typically applied at a 1:3 to 1:1 ratio in water, along with the foaming agent and viscosifier of choice to achieve a stiff foam.

Please Note: Several factors will dictate the most appropriate concentration rate. Please contact your nearest AMC representative for optimum results.

Advantages

- Easily mixed in low shear environments
- Assists in filtrate control
- Stabilises unconsolidated formations
- Reduces well bore pressure transmission in clays
- Reduces hydraulic locking in ultramafics
- Improves core recovery
- Reduces heaving and sloughing in poorly consolidated shales
- Effective in fresh, hard and saline environments

Typical Physical Properties

Appearance:	Milky light pink, viscous liquid
Solubility in water:	Miscible
Specific gravity:	1.0-1.2

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