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AquaBloc

AquaBloc is a starch-based fluid loss control additive designed to deliver reliable filtration control with minimal impact on viscosity in water-based drilling fluids. Derived from renewable, bio-based polymers, AquaBloc supports stable fluid performance across a wide range of drilling conditions while maintaining efficient system properties.

Engineered as an ultra-low viscosity additive, AquaBloc provides effective fluid loss control without significantly increasing system viscosity, making it ideal for applications requiring tight fluid management and optimized rheology.

Performance and Economy

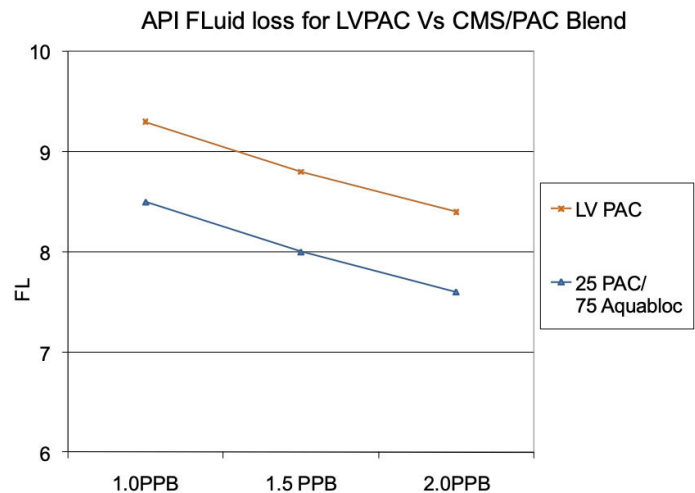
AquaBloc provides effective fluid loss control in water-based drilling fluids while maintaining low viscosity profiles, allowing for improved control of fluid properties and system performance. It is effective at low concentrations and can be used as a primary fluid loss additive or in combination with PAC/CMC systems.

When used in blended systems, AquaBloc may act as a cost-effective extender, with reported synergy improving overall fluid loss performance. Typical usage ratios range from 1:1 to 3:1 AquaBloc to PAC, depending on system requirements.

AquaBloc is effective in temperatures up to approximately 250°F, with AquaBloc HT recommended for higher temperature applications. Its high level of modification provides resistance to biological degradation, eliminating the need for additional biocides. Downhole, AquaBloc forms a thin, resilient, low-permeability filter cake that helps reduce fluid invasion, minimize differential sticking, and support wellbore stability.

Applications:

- Water-based drilling fluids for oil and gas operations
- Horizontal directional drilling(HDD)
- Mining and drilling systems requiring fluid loss control and hole cleaning



Environmental

AquaBloc™ is derived from renewable, bio-based materials and is fully biodegradable. It should be handled in accordance with local, state, and federal regulations. Users are responsible for evaluating compatibility and proper disposal based on their specific application.

Characteristics

- Appearance: Off White Powder
- Ionic Character: Anionic
- Moisture: <12%
- pH: 8-10
- Density: 6lb/gallon

Applications

- Oil and Gas Drilling
- Horizontal Directional Drilling

Environmental

- Fully biodegradable

Packaging and Product Form

- 50 lb paper sacks
- Private Label