AquaFlo

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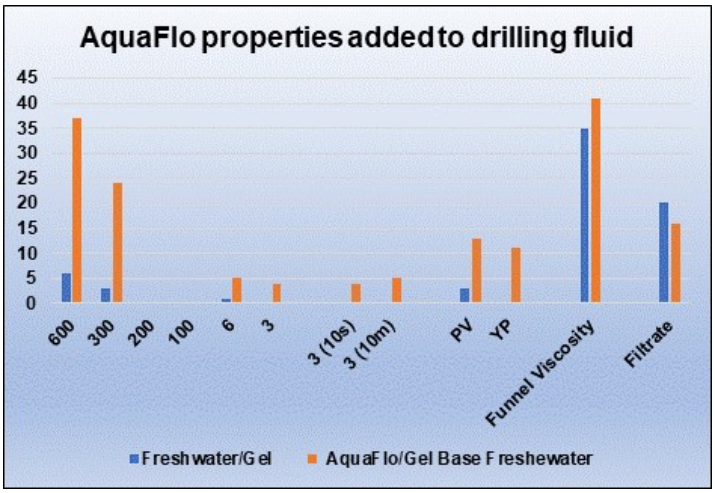
AquaFlo is a highly modified natural polymer blend for use in industrial drilling to drill sand, gravel and rock formations. The polymer rapidly hydrates for ease of mixing on location, providing a quick boost to both the yield point, gel strenths and limiting filtrate invasion. AquaFlo works in conjunction with AquaSol's family of fluid loss polymers to provide exceptional fluid loss when compared against biopolymer fluids.

Application

AquaFlo is readily dispersible in all HHD slurries. AquaFlo achieves maximum performance in freshwater/gel-based systems, while being compatible in all HDD fluids. The typical treatment rate is 1 to 4 lbs./100 gals, (pilot testing is recommended for optimal treatment levels). Mixing AquaFlo through a hopper will allow the product to attain maximum effectiveness in the field.

Advantages

- AquaFlo provides the performance of stand alone products in a blend giving a competitive advantage with a favorable price point.
- AquaFlo is an environmentally friendly product and is currently Pending NSF/ANSI 60 approval.
- AquaFlo resists bacterial degradation, naturally minimizing the need for biocides.



AquaFlo make a definitive difference

AquaFlo enhances the properties of any gel based water base system by enhancing hole cleaning properties while minimizing filtrate invasion into the formation. The graph show the impact of 1-1/4 pounds of AquaFlo in 100 gals of a freshwater gel system. The increase in rheological properties helps ensure proper hole cleaning and well bore stabilization with reduced filtrate invasion.

Environmental

Based on a natural bio-polymer, AquaFlo is fully biodegradable after use, but maintains its performance throughout the drilling process. AquaFlo is pending NSF ANSI 60 approval for fresh water drilling.

Typical Characteristics

Appearance	Off White to tan powder
Ionic Character	Anionic
Moisture	<12%
pH	<10
Density	1.3

Applications

- Oil and Gas Drilling
- Horizontal drilling
- Mining
- Water well

Environmental

- Fully biodegradable
- Pending NSF/ANSI 60 Approval

Packaging and Product Form

- 50 lb paper sacks
- 25 lb pails (dry)