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# AquaFlo

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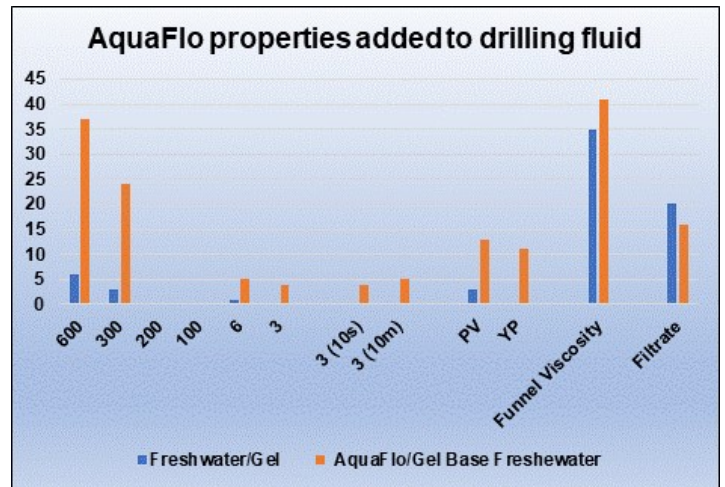
AquaFlo is a highly modified natural polymer blend for use in industrial drilling to drill sand, gravel and rock formations. The polymer rapidly hydrates for ease of mixing on location, providing a quick boost to both the yield point, gel strengths and limiting filtrate invasion. AquaFlo works in conjunction 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 HDD 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/CAN Certified.
- 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 shows 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 NSF/ANSI 60/CAN Certified 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
- NSF/ANSI 60/CAN Certified

### Packaging and Product Form

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