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Aquabloc

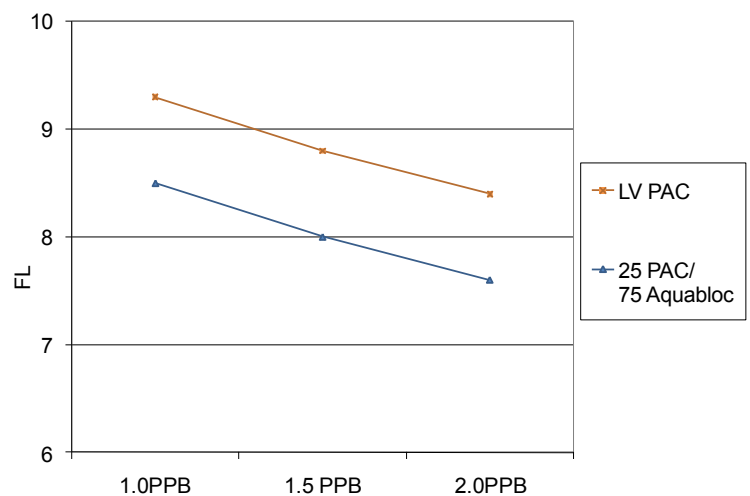
Aquabloc is Carboxymethyl Starch or Poly Anionic Starch. It is manufactured as a fluid loss control agent for water based drilling fluids. Due to the unique manufacturing process used to make this product, it has very low viscosity and could be described as an ultra low (UL) additive.

Properties

Aquabloc provides fluid loss control with minimum increase in viscosity in most water based drilling fluids. The product is designed as an economical alternative to CMC or PAC products. It can also be used in combination with PAC/CMC as a low cost extender and there is reported evidence that a synergy can exist between Aquabloc and PAC producing better results than either individually. It is common to use a 1:1-3:1 ratio of Aquabloc to PAC. Aquabloc is effective up to 250*f, we recommend Aquabloc HT if the circulating temperature is in excess of 250*f. The high level of modification on the Aquabloc also offers effective protection against biological attack and a biocide is neither contained nor required.

Aquabloc is effective at low concentrations ranging from 0.25-1.5 PPB (0.71-4.28kg/CM). Compared to LV PACs Aquabloc will produce less viscosity but higher gels. Down hole, the Aquabloc forms a thin resilient low permeable filter cake which minimizes the potential for differential sticking, and the invasion of damaging filtrate and mud into the formation.

API FLuid loss for LVPAC Vs CMS/PAC Blend



Aquabloc is also used in Mining and HDD (Horizontal Directional Drilling) where it is used to provide gels for hole cleaning and fluid loss.

Characteristics

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

Applications

- Oil and Gas Drilling
- Horizontal drilling

Environmental

- Fully biodegradable
- NSF 60/ANSI Applied for

Packaging and Product Form

- 50 lb paper sacks
- 25lb pales