

High Temperature High Density High Salt Contamination Resistance Environmental Friendly Water Base Drilling Fluid System - Extreme Flow

High-temperature resistant polymer be adopted to instead of traditional sulphonated chemicals in the drilling fluid system, it can meet the requirements of ultra-deep, ultra-high temperature, high pressure and high salinity well, and has the advantages of environmental friendly, providing customers with safer, more efficient and green drilling fluid services.

Technical Features:

- The key chemicals resisting temperature more than 180°C, non-sulphonated chemicals contained and stable in high temperature condition;
- Widely Density range (1.50~2.50 g/cm³) and widely range of application;
- Perfect harmony between rheology and filtration control in high temperature and high density condition. There is no weighting agent sag in static condition at high temperature for 15 days;
- Powerful ability to resist salt and gypsum contamination. Resisting brine contamination to 10%, resisting gypsum contamination to 8%; and
- Heavy metal content and biological toxicity is much lower than environmental protection index of drilling fluid.

Application Scope:

- High temperature and high MW well, especially for ultra-deep well;
- With long segment salt and gypsum well; and
- Environmental sensitive and strict requirements areas.

Service Performance:

With the ability to resist temperature, salt and calcium contamination, as well as strong inhibitions, it can inhibit the dispersion of mudstone effectively during drilling **BoZi - X well** (TVD: 6,778m) in Tarim oil field, China. There is no down hole problem caused by drilling fluid, and the drilling fluid service of the well has been successfully completed.

