

HI-PERFORMX

HIGH PERFORMANCE WATER BASED MUD SYSTEM

OVERVIEW

Shale stability is primarily affected by the swelling of clay minerals in the wellbore, and it is one of the major concerns in drilling operations. Mitigation and control of the interaction of drilling fluids with clay rich formations requires extensive efforts to provide a problem free operation.

HI-PERFORMX water base fluid system shows significant advantage and excellent results with the mechanisms of inhibition, encapsulation, anti-accretion and ROP enhancement while drilling in highly reactive shale formations. While inhibiting the swelling, the system also prevents the shale cutting dispersion, so as minimize the dilution. Additives of the system have no adverse effect to rheology and can be easily mixed in the field even in low-shear conditions. HI-PERFORMX low toxicity profile makes it a great candidate to replace OBM Systems especially in offshore environments.

BENEFITS

- Enhanced Shale Inhibition
- Improved Encapsulation
- Higher ROP, Lower dilution
- Low Toxicity
- Easy to mix in field conditions.

FEATURES

- Primary and secondary inhibition mechanisms working separately.
- Superior encapsulation without creating excess rheology
- Additional lubricity and temperature resistance
- Easy formulation with KCl and NaCl.

PRODUCTS & FUNCTIONS

- CS POLYAMINE : Primary Shale Inhibition
- CS DRILL CAP X : Encapsulation, Anti-Dispersion
- CS Q DRILL : Anti Accretion, Rop Enhancement
- CS PAO MUL : Secondary Inhibitor, Lubricity

