

# CS FR X SBM

## OVERVIEW

Equivalent Circulation Density (ECD) management and mud losses to formation still remain as the major challenge which may lead to additional direct and indirect cost to operators, especially in deep water drilling operations. Inability to control ECD due to fluctuating rheology profile resulted by temperature change is the main reason of these losses during drilling, casing run and tripping.

CS FR X synthetic based fluid system provides a flat rheology profile by maintaining minimum change in yield point, low shear rate values and gel strengths between the temperature range of 40 °F to 250 °F. Extensively engineered emulsifier package and the polymeric rheology modifier ease the control of ECD within the fracture window range by working synergically at all downhole conditions.

## PRODUCTS & FUNCTIONS

FR MUL P	: Primary Emulsifier
FR MUL S	: Secondary Emulsifier
CS FR VIS	: Polymeric Rheology Modifier
FR MOD X	: FR System Conditioner
FR O-CLAY	: Organophilic Clay
FR THIN	: FR System Thinner
MICRON X	: Micronized Barite

## BENEFITS

- Enhanced ECD management
- Temperature independency
- Improved suspension capacity
- Minimizing barite sag potential

## FEATURES

- Highly tolerant emulsifier package to various contaminants.
- Highly effective Rheology Modifier at even very low concentrations as 1 ppb
- Wide micron size range of weighting agent

