

AES DRILLING FLUIDS

BENEFITS

- Reduces API and HPHT fluid loss
- Aids in borehole stabilization
- Minimizes washout by stabilizing troublesome shales and sealing permeable sands
- Performs at low concentrations across a wide range of drilling fluid densities and temperatures

APPLICATIONS

- 1-6 lb/bbl for most applications, although higher concentrations may be necessary in extreme cases
- Pilot testing will aid to determine the appropriate concentration for a specific scenario.

PHYSICAL PROPERTIES

- Appearance: Black powder
- Specific Gravity: 1.04 - 1.06
- Softening Point: > 300°F
- Moisture: < 1%

FLR PLUS[†]

FLR PLUS is a high performance fluid loss and shale control additive for drilling fluids that performs under standard and high temperature, high pressure conditions

Contaminated Sample



Treated with 4 lb/bbl FLR PLUS



In a lab test, a contaminated 10.5 lbm/gal conventional invert emulsion system demonstrated extremely high HPHT fluid loss and a thickened filter cake (left). A treatment of 4 lb/bbl FLR PLUS, dramatically reduced HPHT fluid loss and cake thickness (right).

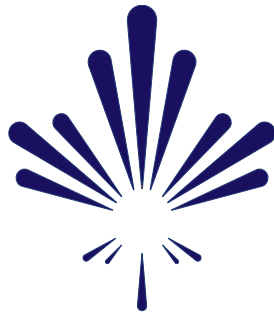
Treatment Recommendations

FLR PLUS aids to lower API and HPHT fluid loss and stabilize troublesome shale formations. Treatments range from 1-6 lb/bbl in most cases, although under extreme conditions higher concentrations may be required.

Pilot testing can determine the appropriate concentration. FLR PLUS has a minimal impact on rheology and performs across a wide range of drilling fluid densities and temperatures.

Packaging and Handling

FLR PLUS is available in 50 lb sacks. Handle FLR PLUS as an industrial chemical, wearing protective equipment and observing precautions as described in the Safety Data Sheet (SDS).



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