

AES VIS 450[†]

MODIFIED ORGANOPHILIC HECTORITE CLAY

BENEFITS

- Increases yield point and enhances low shear rate viscosity in high temperature wells.
- Provides gel structure for solids suspension and carrying capacity.

APPLICATIONS

- High temperatures wells up to and exceeding 450°F bottomhole temperatures.
- 0.25 - 0.5 lb/bbl (typical) increments as bottomhole temperatures exceed 300°F.
- Add with AES VIS III and AES VIS LS for optimal rheology.
- Pilot testing aids to determine the appropriate concentration for a specific scenario.

PROPERTIES

- Appearance: Light tan powder
- Specific Gravity: 1.7

TREATMENT RECOMMENDATIONS

Begin additions of AES VIS 450 through the mixing hopper as bottomhole temperatures exceed 300°F in increments of 0.25 - 0.5 lb/bbl. AES VIS 450 yields with high temperature and shear. Allow sufficient shear and circulating time to measure the impact on fluid properties. Continue additions of AES VIS III and AES VIS LS, if necessary.

Pilot testing is recommended to determine the appropriate concentration for a specific scenario.

PACKAGING AND HANDLING

AES VIS 450 is available in 50 lb sacks. Handle AES VIS 450 as an industrial chemical, wearing protective equipment and observing precautions as described in the Safety Data Sheet (SDS).



AES VIS 450 high temperature organophilic clay



AES DRILLING FLUIDS



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Revision 1.01