

INFORMATION

KLEEN-VIS-X

NON-DAMAGING HEC VISCOSIFIER

DESCRIPTION

KLEEN-VIS-X is a pure, residue-free totally water-soluble HEC polymer which imparts viscosity to most water base drilling and completion fluid systems. This product is available in free-flowing powder and liquid forms.

The liquid version is called KLEEN-VIS-XL. It may be used in fresh water, sodium chloride brines up to saturation, and calcium chloride brines up to saturation. KLEEN-VIS-X possesses the unique property of increasing viscosity as salt content of the water increases.

APPLICATION

Some typical applications of KLEEN-VIS-X are:

- Gravel packing fluid - a gravel packing fluid should possess sufficient viscosity to prevent the gravel from settling out prematurely. The gelled fluid should contain no extraneous solids which may later be removed and allow the pack to become unstable. About 1.5 ppb of KLEEN-VIS-X (or 0.5 gallon/bbl of the liquid) will normally be adequate to provide the desired properties.
- Completion Fluid - a non-residue viscosifier. A typical loading to achieve adequate carrying capacity and viscosity is 0.3 - 0.5 gallon/barrel of the liquid version.
- Hole-cleaning fluid - fluids used to wash sand or debris from the hole will have superior carrying capacity when gelled by 1 or 2 ppb of KLEEN-VIS- X (0.5 - 1 gal/bbl of KLEEN-VIS-XL). If washing past perforations or in an open-hole producing interval, the fluid should be gelled with KLEEN-VIS and KLEEN-SEAL to prevent formation damage from loss of well-bore fluid.

ADVANTAGES

- KLEEN-VIS-X increases in effectiveness as salt content of the fluid increases, whereas most viscosifiers decrease in effectiveness with increasing salt content.
- KLEEN-VIS-X is residue-free
- KLEEN-VIS-X is not affected by cement contamination.
- KLEEN-VIS-X is non-toxic, non-polluting, and biodegradable.

LIMITATIONS

KLEEN-VIS-X systems will not regain viscosity after being heated to approximately 260° F (127° C).

KLEEN-VIS-X is not effective in fluids containing large amounts of soda ash.

MIXING PROCEDURE

KLEEN-VIS-X should be mixed by adding slowly (5-10 min/bag) through a mixing hopper. KLEEN-VIS-X systems should be circulated for about 30 minutes after all the polymer is added to allow maximum viscosity to be attained.

PACKAGING

KLEEN-VIS-X is packaged in 25-kg or 50-lb bags.

KLEEN-VIS-X is a Messina trademark