



enventives

VEN-K™

RECOMMENDATIONS

Ven-K™ can be used to thin almost all types and densities of water base drilling fluids. It is particularly designed for use in potassium base shale control systems.

In addition, it will function as an effective emulsifier in oil-in-water muds and will provide some emulsification and dispersing properties for liquid lubricants. Ven-K™ is effective as a high temperature filter loss additive in water base mud systems.

Approximately 1-3 lb/bbl of Ven-K™ is usually required to produce optimum thinning of water base muds. When Ven-K™ is being used to emulsify oil or liquid lubricants in water muds, concentrations of 2-6 lb/ bbl are common.

High temperature (above 350°F) filtration control can require 6-10 lb/ bbl or more of Ven-K™. The actual concentration required depends on the mud system, bottom-hole temperature, and other factors.

Generally, the higher the temperature, the more Ven-K™ required. Ven-K™ can be added to the mud through a hopper or a chemical barrel.

GENERAL INFORMATION

Ven-K™ is a highly efficient, multipurpose mud conditioner for water base muds. Ven-K™ is a prereacted salt of potassium hydroxide and lignite. Ven-K™ is primarily used as a fluid loss additive and shale control additive in potassium base shale control systems. Ven-K™ is also used in water base muds to (1) reduce viscosity and gels in order to maintain desirable flow properties; (2) improve aging characteristics in high temperature fluids by controlling fluidity; (3) reduce high pressure, high temperature filtrates and provide tough, thin filter cakes; (4) thin and emulsify oil-in-water or liquid lubricant containing fluids; (5) reduce effects of contaminants; and (6) control the equivalent circulating density by maintaining suitable flow properties. Prereactions or presolubilization of the lignite with potassium hydroxide eliminates the need to add free caustic at the rig site where native muds or low pH muds are being used. Ven-K™ is convenient and economical to use. It is compatible with most chemicals used in water base drilling fluids.

PACKAGING

Ven-K™ is packaged in fifty (50) lb multi-wall paper bags with an internal polyethylene liner.

TYPICAL PROPERTIES

Composition	:	Potassium Salt of Oxidized Lignite
Form	:	Free Flowing Powder
Color	:	Black
Solubility in water	:	Readily Soluble

PRECAUTIONS

See the Safety Data Sheet for more detailed information concerning storage, handling, transportation, disposal and safety requirements.