

INFORMATION

KLEEN-SEAL

NON-DAMAGING FLUID LOSS ADDITIVE

DESCRIPTION

KLEEN-SEAL effectively controls fluid loss in fresh water, sodium chloride or calcium chloride brines without increasing viscosity. Extensive field and laboratory testing have proven this mixture to be essentially non-damaging to producing formations. KLEEN-SEAL contains no clays, guar gum, or other potentially damaging inert materials.

KLEEN-SEAL "filter cakes" will not hinder clean-up procedures on a producing zone following a workover completion or drilling operation. "Filter cakes" of KLEEN-SEAL may be removed by treating with 15% hydrochloric acid.

APPLICATION

KLEEN-SEAL, at 6 to 8 ppb, will normally stop or slow a seepage loss of brines during a workover, completion or drilling operation.

KLEEN-SEAL (6 to 8 ppb) and KLEEN-VIS (1 to 2 ppb) impart the necessary viscosity and fluid loss for a workover, completion or drilling fluid. This same system imparts the necessary characteristics for a water base perforating fluid.

A non-damaging fluid of this type should always be utilized when perforating overbalanced. The non-damaging properties and hydrochloric acid solubility of a KLEEN-OVER/KLEEN-COMPLETE system make it ideal for under-reaming and gravel packing. Producing wells will readily clean up when put onto production.

Injection or disposal wells should have injection preceded by a spearhead of hydrochloric acid.

MIXING PROCEDURE

KLEEN-SEAL is easily mixed and dispersed. Mud hoppers or any mixing arrangement which provides good circulation of the fluid is adequate.

PACKAGING

KLEEN-SEAL is packaged in 50 lb sacks.

KLEEN-SEAL is a Messina trademark