



Pic. 1 Without PermGuard XLP



Pic. 2 With PermGuard XLP

LABORATORY RESULTS

Pic. 1. Without PermGuard XLP Insoluble material formed in HVFR completion fluid exposed to metals, retained on mesh filter.

Pic. 2. With PermGuard Insoluble material formed in PermGuard XLP protected HVFR completion fluid exposed to metals, improved flow through mesh filter.



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PERMGUARD[®] XLP

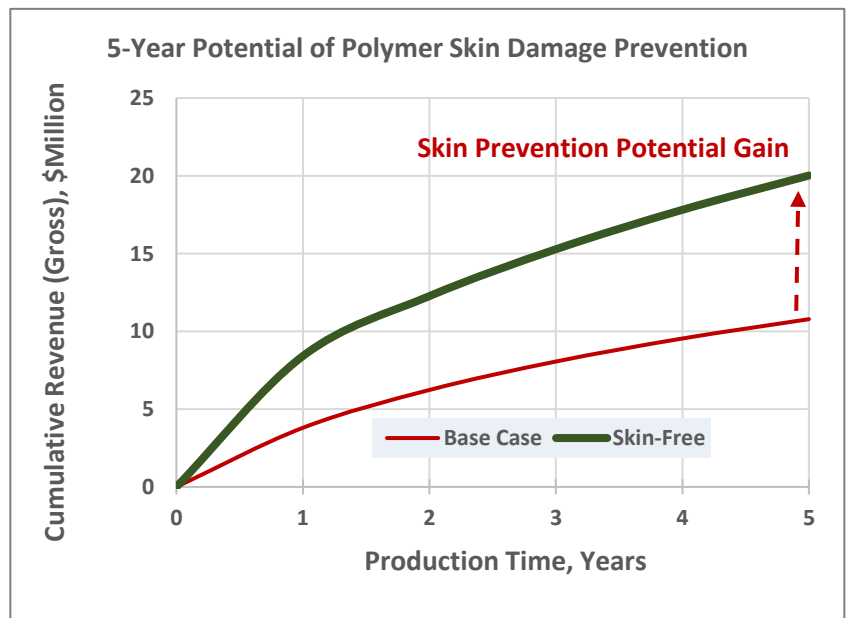
Guard Against Permeability Loss

PERMGUARD XLP

PermGuard XLP is designed to guard against permeability loss in proppant packs caused by interactions between fluid additives and reservoir formations. There is increasing evidence that many wells are damaged during completion by additives in the fluid systems that form insoluble material capable of severely blocking flow.

PermGuard XLP guards against this early-onset damage to help wells cleanup better and produce at higher rates.

BENEFITS



Flex-Chem has historically treated a large number of damaged wells to restore productivity and developed tools to assess the severity of damage on production. This analysis was performed by comparing production metrics under actual typical damage and actual low damage conditions.

Sales of Flex-Chem products and services will be in accord solely with the terms and conditions contained in the contract between Flex-Chem and the customer that is applicable to the sale.