

HalKleen™ Scale Removal Service

HIGH-PERFORMANCE SCALE DISSOLVERS FOR DOWNHOLE APPLICATIONS

OVERVIEW

The formation of scale in hydrocarbon producing wells or injection wells can be detrimental to the profitability of the assets, causing a variety of challenges such as damage to downhole and surface equipment, costly workover interventions, formation damage, and/or deferred hydrocarbon production.

Halliburton HalKleen™ scale removal service is a family of fast-acting chemicals that facilitate the rapid and safe dissolution and removal of the primary types of scale encountered in the oil and gas industry. HalKleen products use a single fluid, eliminating long soak times or extended shut-in periods.

HalKleen scale removal service is applicable for downhole scale removal, including removal from tubing, perforations, and from downhole equipment in the wellbore. When spotted at a surface or targeting a location affected by a particular scale, HalKleen scale dissolvers begin working on contact. Additionally, all the chemicals utilized in HalKleen are non-damaging to the formation or wellbore completion.

Type of Scale	HalKleen™ Service
Barium Sulfate	HalKleen™ B
Calcium Carbonate / Iron Carbonate	HalKleen™ C
Calcium Sulfate	HalKleen™ G
Strontium Sulfate	HalKleen™ S

APPLICATIONS

- » Fast acting scale dissolvers for each of the major types of scale, eliminating long soak times or extended shut-in periods required by other dissolution treatments
- » Applicable for downhole scale removal, including removal from tubing, perforations, and from downhole equipment in the wellbore
- » Compatible with most commonly used elastomers as well as ESP cables

BENEFITS

- » Eliminates long soak times
- » Very effective in both high and low temperature applications. Optimized with catalyst for low temperature applications, even below 100°F
- » Formulated with a low emulsion tendency surfactant for efficient dissolution of oil-wet scale deposits
- » Non-corrosive towards most commonly encountered oilfield metallurgies
- » Non-hazardous products that are very easy to transport, store, and handle

For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com

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

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