KelaStim™ Service
Enables More Effective Acid Stimulation of High Temperature Formations, up to 400°F

Halliburton’s KelaStim™ service is a simpler, more environmentally-friendly service to chemically stimulate carbonate or mixed carbonate/sandstone formations. The fluid system reduces the complexity of the treatment by eliminating some of the flush stages. The advantages for using KelaStim™ fluid are:

- Temperature range of 120°F (49°C) - 400°F (204°C)
- Superior stabilization to control iron precipitation, a common issue with HCl at high temperatures
- Smaller operational footprint, less setup time and equipment needed
- Non-hazardous material that is readily biodegradable

Simpler Fluid for Many Applications
KelaStim system can be used to stimulate a carbonate formation and to remove damage from the formation with less risk of rock deconsolidation compared to highly acidic fluids, like high-strength HCl or formic/acetic acid blends. Rock deconsolidation can lead to wellbore collapse, especially in horizontal wellbores. KelaStim fluid also minimizes emulsion and sludge tendencies compared to HCl fluids.

KelaStim system is designed for both carbonate and mixed carbonate/sandstone formations, and can be used in acid-sensitive areas. KelaStim fluid is able to withstand high bottomhole temperatures (BHTs) as the chelant remains stable up to 400°F. Because of this stability, acidizing treatments on formations with a BHT greater than 300°F are feasible.

KelaStim fluid can be used to remove non-clay damage from gravel-pack completions with less risk of damaging the particulates. KelaStim fluid can be used with HCl, acetic and formic acid blends and can be tailored for specific applications such as scale removal, pickling, matrix acidizing, or filter-cake removal applications.

Better HSE Performance
KelaStim service is a safer and more environmentally friendly acidizing service. The fluid is non-hazardous and not considered a marine pollutant. Because KelaStim fluid is able to treat the reservoir in fewer stages than normally required, personnel have less exposure to corrosives and less risk. KelaStim system is readily biodegradable.

Advanced Chemistry for Better Results
The KelaStim system has better stabilizing properties than conventional acids in low pH solutions (pH 1 to 5) without the risk of precipitating the chelant. Halliburton has systematically developed a system that provides excellent stimulation capabilities for high temperature formations with reduced formation damage and simpler application compared to conventional acid systems.

For more information about how KelaStim service can help make your high temperature formations more productive, contact your local Halliburton representative or email stimulation@halliburton.com.

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