Halliburton's SandStim™ acidizing fluid service uses a chelant-based fluid system for stimulating sandstone formations. The SandStim fluid system provides a safer and simpler HF acidizing fluid than traditional HF acid blends. The service is specially designed to be able to be used in high temperature formations, wells that cannot be treated with HCl-based HF fluids, or wells with a high or uncertain carbonate content.

SandStim service is a better acidizing fluid system in that it:

- Is a simpler system; SandStim service uses less preflush stages and minimizes blend components
- Minimizes potential damage when stimulating formations of uncertain mineralogy
- Has less risk of deconsolidating friable formations
- Has superior complexing capacity
- Can be used in a wide temperature range (120°F to 350°F)
- Can be used in wells with higher carbonate concentrations; recommended to use with formations over 5%
- Has lower HSE risk than traditional HF acid blends
- Less corrosive than traditional HF acid blends

**Simpler and Easier to Use HF Acid System**

SandStim service uses a fluid system that requires fewer preflush stages and fewer blend components than traditional HF acid blends. The system contains readily biodegradable components and is easier to work with operationally. By reducing the number of preflush stages, significant time and cost savings can be achieved using SandStim service.

SandStim service is designed for sandstone or mixed carbonate/sandstone formations. Because of the reduced risk of rock deconsolidation and damage to the formation, SandStim can be used in many more applications, wells where HCl-based HF blends should be avoided. Also, because SandStim service can be used in wells with a high carbonate content, the service is forgiving when treating uncertain mineralogy. This makes treatment design much simpler and easier.
More Versatility and Better Performance

SandStim service has better stabilizing properties than conventional acids and minimized emulsion and sludge tendencies. The system can be used to remove damage from a formation with less risk of rock deconsolidation compared to highly acidic fluids, like high-strength HCl-based HF blends. SandStim service is able to withstand high bottomhole temperatures, up to 350° F.

The system is designed for sandstone formations and can be used in matrix stimulation, removing damage caused by carbonates, drilling fluids, clays and other aluminosilicates from gravel-pack completions, and filter-cake removal applications.

For more information about how SandStim™ service can help stimulate your sandstone formations, contact your local Halliburton representative or email stimulation@halliburton.com.