Halliburton MicroPolymer® (HMP®) Service

A step-change advancement in fracturing fluid technology, Halliburton MicroPolymer service provides superb fluid efficiency, a clean proppant pack and longer effective fracture length. The fluid system performs up to 260°F. Transient Gel® technology eliminates the need for breakers while rapid response enables real-time rheology control. The fluid components (polymer and additives) are delivered to the wellsites as premixed concentrates and only fresh water is required to be stored at the wellsites.

Because no breakers are required, the polymer is not damaged. This virtually eliminates polymer residue from the proppant pack and enables the fluid to be recovered and reused under certain conditions.
SeaQuest® Service
SeaQuest service features a seawater-based fluid system for stimulating offshore sandstone reservoirs up to 300°F—both unconsolidated and consolidated. This versatile system is appropriate for both offshore fracturing and FracPac™ service in either shelf or deepwater environments. Specifically designed for seawater mixing, the system does not produce damaging precipitates and provides greater flexibility for job design and delivery.

DeepQuest™ Service
DeepQuest service enables effective stimulation of ultra deep reservoirs at 80° to 325°F. This high density borate crosslinked system provides a typical specific gravity of 1.3 to 1.38 whereas the typical specific gravity for an aqueous fracturing fluid is 1.0 to 1.04. The high density provides extra hydrostatic pressure at the formation to help reduce the pressure requirements on surface equipment. Without this fluid, many ultra deep wells cannot be fractured due to current surface equipment pressure limitations.

Sirocco® Service
Sirocco service extends the proven benefits of low polymer fracturing fluid to higher temperature wells with the added benefit of salt compatibility. The fluid system performs from 275°F to 400°F. Sirocco fluid provides the excellent transport capabilities of conventional CMHPG fluid systems but uses less base polymer, resulting in much higher regained conductivity. Very predictable in viscosity and efficiency, this fluid resists thermal thinning.

Pur-Gel™ III Fluid
Pur-Gel III is a delayed-crosslinked gelled fracturing fluid for use in wells with bottomhole temperatures between 80°F and 275°F. The fluid incorporates a low-residue CMHPG gelling agent. The zirconium crosslinking agent is compatible with CO2 when used with selected buffering agents. Carbon dioxide may be added to provide compatibility with formation fluids and to help recover fracturing fluids following the treatment.

Thermagel™ Fluid
The Thermagel fluid system was developed to treat wells with bottomhole temperatures greater than 300°F. The delayed crosslinked gel fluid uses a low residue CMHPG gelling agent. A proven performer in the HPHT realm, Thermagel fluid remains a workhorse in the Halliburton fluid suite.

Hybor™ Fluid
Hybor fluid is a delayed borate crosslinked fluid using guar or HPG gelling agent recommended for wells with temperatures ranging from 125° to 300°F. Crosslinked gel filter cake cleans up with water production.

Water Frac™ Fluid
Halliburton offers a full suite of additives to optimize the results from fracturing treatments using friction-reduced water. The Water Frac system is available in a number of polymer formulations for low-viscosity, low-sand-concentration applications.

For more information about Zero-D fracturing fluids can help make your assets more profitable and help improve your environmental performance, contact your local Halliburton representative or e-mail stimulation@Halliburton.com.