

Terra Pack III carrier fluid

Enables monitoring and control along the entire well, for the life of the well

Applications

- All types of gravel pack completions
- Workover operations
- Well cleanout operations

Features and Benefits

- Supplies shear thinning properties
 - Provides low apparent viscosity at high shear rates
- Affords high fluid loss
 - Helps make pack perforation tunnels tighter
- Provides excellent sand transport
 - Minimizes void areas
- Delivers effective reduction in viscosity
 - Results in rapid well cleanup
- Compatible with most brines
 - Can be used in virtually all types of completions

The Baker Hughes **Terra Pack III™ carrier fluid** is a moderate-viscosity, water-based carrier fluid that can be used in virtually all types of gravel pack completions and workovers, resulting in time and cost savings. Its special low-residue biopolymer provides excellent sand-transport capability and medium viscosity, as well as enhanced fluid-leakoff characteristics.

Terra Pack III carrier fluid is viscosified with a slightly anionic, specially treated biopolymer that provides less than 1% by weight residue. The system is not crosslinked, which means the viscosity is determined by the concentration of the hydrated polymer. Its shear thinning properties provide a low apparent viscosity under high shear rates, enabling Terra Pack III carrier fluid to be pumped through small-diameter tubulars with little friction pressure loss

This carrier fluid combines high fluid loss with excellent sand transport to help pack perforation tunnels tighter and minimize void areas around the screen. Its excellent sand- suspension properties transport high gravel concentrations through the surface

and downhole equipment and into the perforation tunnels.

Terra Pack III carrier fluid utilizes a special oxidizing breaker to ensure a controlled, effective reduction in viscosity for rapid well cleanup and maximum productivity after the pack is in place, even in the presence of formation minerals. Breaker concentration is determined by bottomhole temperature.

In addition, Terra Pack III carrier fluid is compatible with a variety of brines and surfactant additives. However, additives such as bacteriacides, clay stabilizers, and surfactants should be tested to determine compatibility.

Terra Pack III carrier fluid can greatly reduce formation damage associated with the use of polymer fluids coming into contact with the reservoir. When properly hydrated and filtered prior to use, Terra Pack III can greatly improve efficiency, resulting in direct cost-saving benefits.

To learn more about Terra Pack III carrier fluid, contact your local Baker Hughes representative or visit www.BakerHughes.com.

