**FightR™ Friction Reducers**

**HIGH-LEVEL VISCOSIFYING FRICTION REDUCER CHEMISTRY FOR UNCONVENTIONAL STIMULATION APPLICATIONS**

**OVERVIEW**

FightR™ friction reducer portfolio provides exceptional performance and value for unconventional and tight gas fracture stimulations.

As unconventional well and stimulation designs grow in lateral lengths and greater proppant volumes, dependable friction reducer performance is paramount to successful treatment execution.

The friction reducer’s performance in the frac water and with fluid system additives is a critical factor in successfully executing the stimulation treatment and achieving the desired well productivity results for overall economic success. Within the FightR friction reducer portfolio, friction reducer fluid systems can be optimized to the desired performance metrics.

**OPTIMIZED FRICTION REDUCER DESIGN**

When a stimulation design is optimized and water characteristics are simple and consistent, friction reducer selection can be straightforward. However, when treatments require more conductivity and higher sand concentrations to be placed, advanced friction reducer chemistry is required. In these challenging applications, friction reducer chemistry and performance are required that can excel beyond the limits of conventional chemistries. The FightR friction reducer portfolio offers just that – customized friction reducer systems designed for optimum performance to deliver proppant deeper into the reservoir.

**ADVANCED PROPPANT TRANSPORT PERFORMANCE FOR THE MOST CHALLENGING APPLICATIONS**

FightR friction reducers can provide outstanding viscosity performance in more demanding environments. Whether it is the ability to provide viscosity to carry higher proppant concentrations farther into the created fracture or to provide high levels of friction reduction in low-salinity waters at reduced concentrations, FightR friction reducers outperform conventional versions.

FightR friction reducer features include:

» Excellent fluid viscosity for improved sand transport and placement
» High levels of friction reduction with low water salinity characteristics (up to 25,000 parts per million of total dissolved solids)
» Rapid and clean hydration in low-salinity waters
» Compatibility with a broad range of fracturing fluid additives
» Controlled polymer break and efficient cleanup to help provide more extensive flowing stimulated reservoir volume

**FEATURES**

- Extensive laboratory screening and field-tested chemistries
- Broad range of viscosity performance superior to conventional friction reducers
- Exceptional fracture cleanup in combination with OptiKleen-WF™ breaker
- Compatible with a wide range of stimulation fluid additives

**BENEFITS**

- Optimization of stimulation treatment designs to specific requirements
- FightR options provide increased viscosity for enhanced sand transport
- Enhanced effective stimulated reservoir volume can be obtained from improved permeability retention

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

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