DFS-CWG™ Fracturing Fluid System

Fully Disclosed Fracturing Fluid System for Unconventional Formations

DFS-CWG™ fracturing fluid system uses a new fracturing fluid formulation made with ingredients sourced from the food industry.*

The DFS-CWG fluid system components include a gelling agent, crosslinker/buffer, breakers, and a surfactant. Before use, the DFS-CWG formulation is mixed at the job site with the water provided by the operator.

**Excellent Fracturing Performance and Reduced Environmental Risk**

In addition to reduced environmental risk, the DFS-CWG fluid system provides excellent performance in terms of pumpability, proppant transport and retained conductivity. Laboratory tests showed over 90% retained conductivity after 24 hr of flow. The system is applicable over a broad temperature range providing up to 30 minutes pumping time at 225°F (107°C).

**Applicable to Gelled Fracs and Water Fracs**

The DFS-CWG fluid system can be crosslinked and used for conventional gelled fracturing treatments that require a significant amount of proppant.

In addition, the components can be used to create a linear fluid system to provide friction reduction for water frac treatments commonly used in unconventional reservoirs.

*Intended Use - The DFS-CWG™ fracturing fluid system formulation is designed for use in hydraulic fracturing. Even though all the ingredients are acquired from food suppliers, the DFS-CWG fluid system should not be considered edible.*
For more information about how DFS-CWG™ fracturing fluid system can help improve your fracturing operations, contact your local Halliburton representative or email stimulation@halliburton.com.

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