

MethoFrac fracturing fluid systems

Protect underpressured and water-sensitive formations

Applications

- Hydraulic fracturing in underpressured gas reservoirs
- Hydraulic fracturing in water-sensitive gas reservoirs
- Other hydraulic fracturing operations energized with CO₂ or N₂

Features and Benefits

- Uses methanol as a base fluid
 - Minimizes risk of clay swelling and migration
 - Improves fluid recovery
 - Aids in removing or preventing capillary water blocks
 - Minimizes emulsions in oil wells and gas-condensate wells
 - Minimizes tubular friction pressure without additional chemicals
- Enables customized crosslink delays
 - Minimizes surface horsepower requirements
- Breaks cleanly with oxidative breakers
 - Maximizes retained fracture conductivity

The Baker Hughes **MethoFrac™ family of fracturing fluids** are methanol-based, crosslinked fracturing fluid systems designed for use in underpressured and/or watersensitive formations. Crosslinking the fluids provide higher viscosity to optimize proppant transport and fracture efficiency. Methanol (MeOH) concentration and crosslink and breaking time can be adjusted to achieve specific application requirements. The fluid can be used with MeOH concentrations as high as 100% MeOH.

Safety and handling

Because these systems use methanol as a base fluid, operations must strictly comply with Baker Hughes flammable fluids policies and procedures.

Refer to system component material safety data sheets (MSDS) for handling, transport, environmental information, and first aid.

References

MSDS for system components.

Typical properties

Typical temperature range	Up to 250°F (121°C)
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