

Spectra Frac G fracturing fluids

Maximize fracture efficiency and minimize risks

Applications

- Conventional fracturing
- Underpressured formations when energized or foamed with nitrogen
- High shear-rate environments and areas where water quality prohibits the use of more sensitive fluids
- Frac-pack operations

Features and Benefits

- High apparent viscosity
 - Improves proppant transport
- Can be formulated for crosslink times from 15 seconds to 3 minutes
 - Minimizes hydraulic horsepower requirements
- Incorporates an internal break mechanism, which can be augmented by Baker Hughes EnZyme™ and HighPerm™ breaker technologies
 - Minimizes formation damage
 - Maximizes fracture conductivity
- Functions at high pH
 - May be energized or foamed with nitrogen
- Easily prepared
 - Operational flexibility to use batch-mix or continuous-mix processes
- Compatible with most mix waters, including seawater
 - Facilitates water management and reduces associated costs

The patented Baker Hughes **Spectra Frac™ G fracturing fluids** are high-performance guar polymer, borate-crosslinked systems for applications to 300°F (149°C). The system uses our patented Spectra Frac organoborate crosslinker with a refined, natural guar gelling agent, providing premium fracturing performance. Proprietary complexor and breaker chemistry achieves customizable crosslink and break times.

Safety Precautions

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

References

MSDS

Typical properties

Typical temperature range	60 to 300°F (16 to 149°C)
----------------------------------	------------------------------

