

FracClean Ultra™

Formation-friendly frac fluid leaves nothing behind but a well-propped zone

Trican's FracClean Ultra™ is a surfactant-based fracturing fluid that, when combined with water, forms a highly viscoelastic gel that doesn't contain polymers, and leaves no residue behind in the formation or the proppant pack.

FracClean Ultra is easy to use as all of the components can be added on-the-fly, requiring no additional hydration unit.

When combined with N₂ and/or CO₂, FracClean Ultra produces a viscous foam with excellent stability suitable for energized fracturing.

The viscoelasticity of the foam exhibits superior proppant transport and suspension when compared to foams created using linear gels (polymer based).

Additionally, the superior foaming properties exhibited by FracClean Ultra allow the stabilization of **ultra high foam qualities** (>85%).

FracClean Ultra Advantages

- Polymer free fracturing fluid, leaves no residue in the formation or proppant pack
- Forms stable viscoelastic foams at qualities ranging from 30% to 85%
- Compatible with both N₂ and CO₂, or in a binary fluid system
- Operationally convenient system: 3-4 components added on-the-fly, no hydration unit required
- Can be used with or without clay stabilizers (KCl)
- Broad temperature stability: 0°C to 110°C (320°F to 230°F)
- Progressive breaks achieved by adding FCB-1
- Requires less activator

Impressive temperature range

As with FracClean and FracClean-C, FracClean Ultra is free of polymers and very formation friendly, however, it demonstrates greater temperature stability at the high (>110°C) and low (0°C) ranges. This means it can be pumped into deeper and hotter wells. Trican developed FracClean Ultra won't freeze even at temperatures as low as -20°C (-4°F).

For more information, please contact **Trican Well Service**.

60% Quality Foam (water, FracClean Ultra additives and N₂)

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