TruSlick 19A

PRODUCT DATA SHEET

Benefits & advantages

- Superior, long term suspension stability.
- Rapid polymer hydration.
- Suspension flows readily, even in severe winter conditions.
- Compatible with all anionic and nonionic additives.

General application

- As a friction reducer for fresh water & brine applications.
- As a thickener for Slick Water Fracturing.
- As a thickener for fresh water or brines in completions or workover operations.

Friction reduction dosage

TruSlick 19A / use	Fresh	Brine
Friction reduction	0.3 to 1.0 GPT	0.5 to 1.5 GPT

*FR rates are recommendations only. Adjustments need to be made based on water quality, minerals, or additives for desired results.

Friction reducer product info

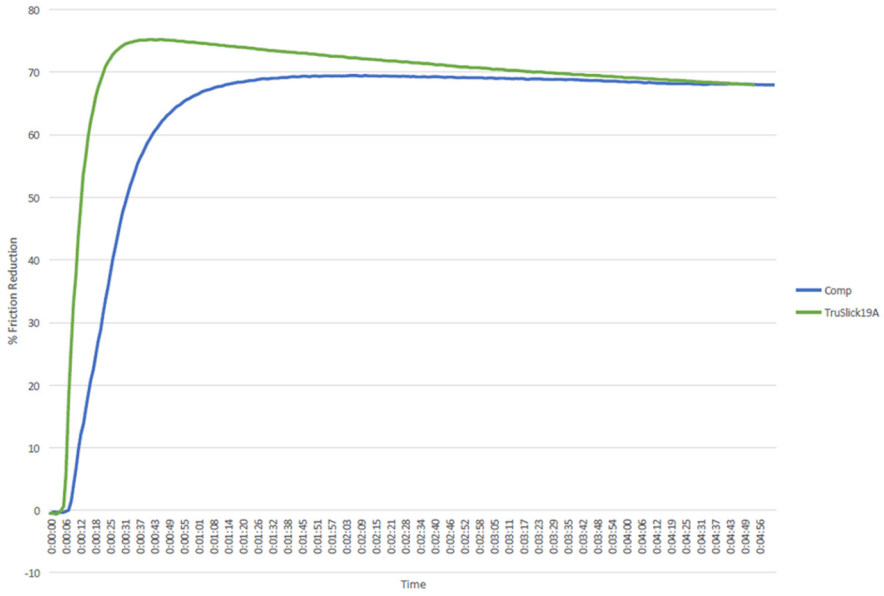
Achieving a high enough injection rate is a major problem in deep wells. Both the bottom hole pressure required to fracture a formation and the pressure loss due to friction increase directly with well depth. This is due to the cumulative effect of the overburden pressure and the length of tubing or casing the fluid has to travel through to reach the bottom hole. If the injection rate is below a critical value, the proppant may fall out of the frac fluid and cover the perforations forcing the treatment to be stopped.

FR is widely used to reduce the frictional pressure loss so that a higher bottom hole pressure and injection rate can be achieved. The drag reduction effect can be as much as 5 80% during a fracturing treatment.

TruSlick FR packaging

TruSlick 19A FR is available in multiple sizes including Bulk, 5 Gallon Pails and 265 Gallon Totes or 320 Gallon Totes.

TruSlick 19A vs. Comp - 1.0 gpt, 70,000 TDS water



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