

DryFR™



OPTIMAL PERFORMANCE – SIMPLIFIED LOGISTICS

Trican's DryFR™ is a unique powdered friction reducer designed for use in slick water fracturing. Unlike conventional liquid friction reducers, DryFR™ is a powder that does not contain any surfactant or carrier oil, creating an economical and environmentally friendly product. DryFR™ disperses and hydrates instantly when added to water, and is not rate constrained like typical dry friction reducers with hydration limitations.

GREEN ADVANTAGES

- The dry powder does not contain any surfactant or carrier oil, creating a more environmentally friendly product that is easier to transport, contain, and cleanup if spilled.
- Environmentally friendly: non-toxic, biodegradable and non-bioaccumulating.
- Drastically reduces the number of chemical transports required to take the product to location, resulting in fewer moving trucks on location, reduced local traffic for landowners and a reduction in overall cost.

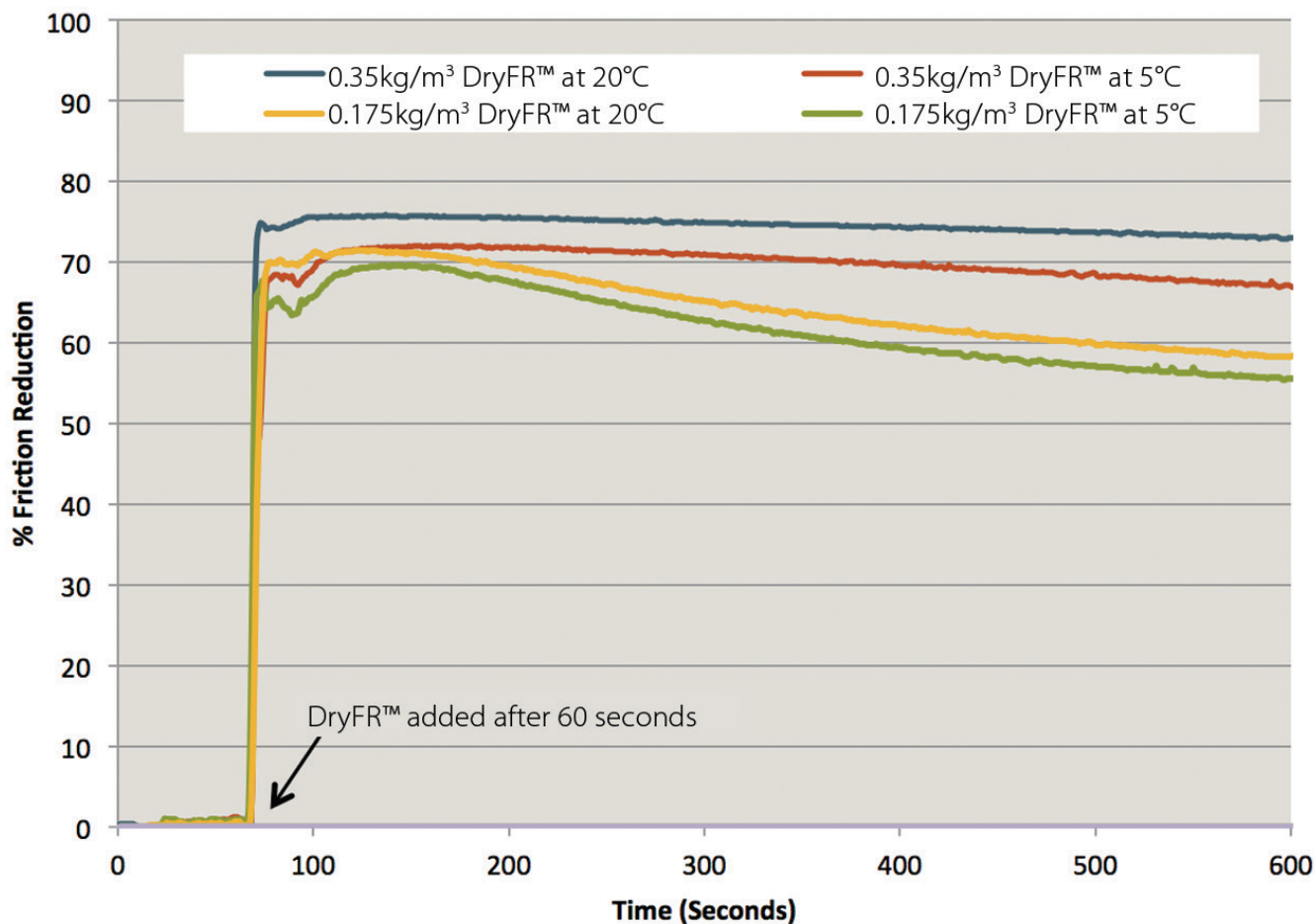


Figure 1: DryFR™ Friction Reduction Profile

OPERATIONAL/ LOGISTICAL ADVANTAGES

Large, multi-well pad completions can consume significant quantities of water per pad, resulting in a high volume of friction reducer required. With DryFR™, transportation and logistical requirements can be greatly reduced, creating a cost-effective and safer well completion:

- Reduced product costs - eliminates expensive surfactants and carrier oils required for conventional liquid friction reducers
- Reduced product transportation requirements
- Reduced fracture treating pressures, allowing increased pumping rates and decreasing maintenance
- Added on-the-fly using a conventional dry add hydration unit or conventional blender
- Compatible with anionic additives
- Instantly disperses and hydrates in fresh and saline waters
- Effective friction reduction in cold waters, with no heating required

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