

Powered Frac Surfactants - Frac-Champ™

Nitro-Chem's Frac-Champ™ products provide proprietary micro-emulsion/nano surfactants for fracking in ULR reservoirs

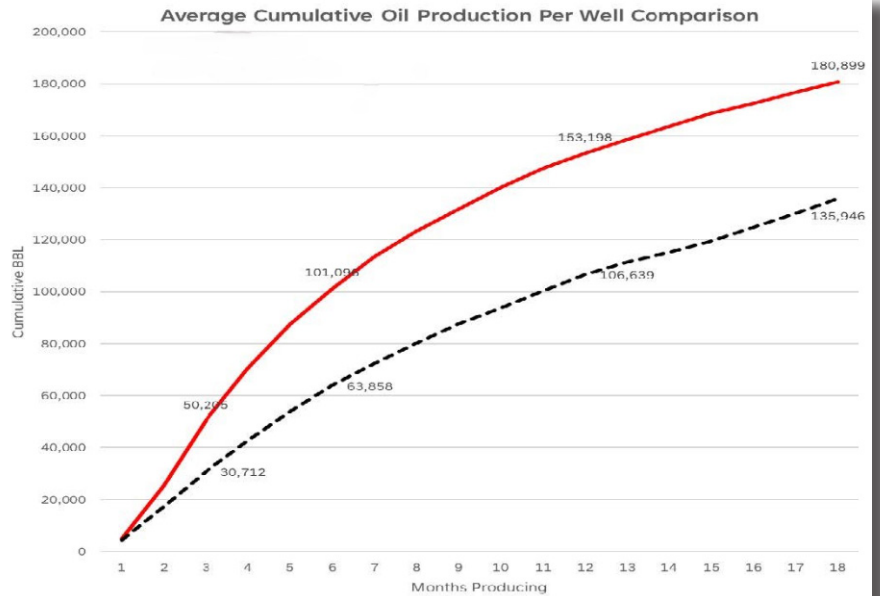
Enhanced Performance:

When incorporated into frac fluids, Frac-Champ™ facilitates:

- ▶ IFT Reduction
- ▶ Surface Tension Reduction
- ▶ Spontaneous Imbibition
- ▶ Enhances Standard Frac Fluids

Delaware Basin Case Study

- ▶ 74 wells fracked with Frac-Champ™
- ▶ 27 wells without



Unparalleled Fracture Efficiency

Frac-Champ™ Micro-emulsion/nanoparticles have a unique ability to penetrate deep into the formation, increasing reservoir contact and maximizing hydrocarbon recovery.

Enhanced Oil Mobility

Frac-Champ™ improves contact angle, decreases surface tension and interfacial tension. Mobilizes trapped hydrocarbons and improves their displacement from the reservoir matrix and frac network.

