

FracPro

Fracture Design & Analysis

Real-Time Precision Across Every Stage of Your Frac Workflow



OVERVIEW

Hydraulic fracturing is a complex process—variations in the breakdown and treatment pressures, complex lithologies that challenge fracture growth, and tight pumping schedules. **FracPro** brings decades of field-proven reliability to your frac design, simulation, and post-job analysis. Our intelligent modeling and integrated analytics streamline your treatment workflows, mitigate screenouts occurrence, and deliver stage by stage actionable insights—from initial planning through post-frac evaluation.

KEY FEATURES AND BENEFITS

- **Real-Time Monitoring & Proactive Control**

Monitor injection pressure, pump rate, and hookload live—make on-the-fly adjustments to prevent screenouts and optimize treatments.

- **Integrated Frac Diagnostics Suite**

Run DFIT, minifrac, step-rate, net-pressure, and pressure analyses in one platform—boost confidence in rock property estimates.

- **Unified Multi-Stage Workflow**

Design, compare, and execute all treatments within a single job file—eliminate manual data transfers and keep your stage count in sync.

- **Fluid & Proppant Libraries**

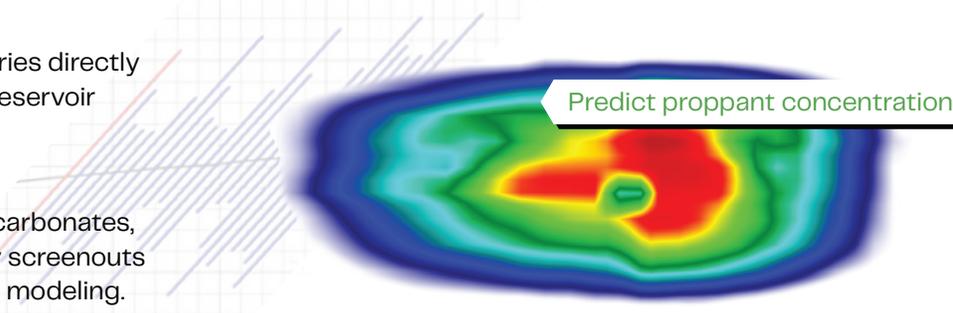
Leverage industry-standard fluids and proppants—speed up treatment design and reduce mixing errors.

- **Seamless Reservoir Integration**

Import well logs and export fracture geometries directly to CMG, Eclipse, or QuickLook—ensure your reservoir model reflects the latest frac design.

- **Geology-Calibrated Modeling**

Simulate fracture propagation in sandstone, carbonates, coal, and unconventional plays—prevent early screenouts with accurate toughness and stress-shadow modeling.



■ Proppant Transport Forecasts

Predict proppant concentration, conductivity, and settling behavior using lab-calibrated algorithms—maximize propped fracture efficiency and long-term production.

■ Anomaly Alerts & Sensitivity Analysis

Get notified of pressure spikes, screenout warnings, or fluid efficiency losses—stay ahead of downhole surprises.

■ Field Data Matching

Match modeled pressures and proppant profiles to on-site diagnostics—continually refine your forecasts and improve performance consistency.

■ Intuitive, Engineer-Centric Interface

Navigate complex pumping schedules and fracture geometry outputs with a clean, modern interface—focus on engineering decisions, not software hurdles

■ Hydraulic Fracture Sensitivity Analysis

Run sensitivity analysis to evaluate the effect of the fixed parameters like Permeability, Stress, YM's, PR, etc. and parameters changing in time like Rate, Fluid Volumes, Frictions, etc.



APPLICATIONS AND CAPABILITIES

- **Propped Fracs**—Model proppant placement, conductivity improvements, and embedment effects
- **Horizontal Wells**—Plan parent/child stages with optimized pump schedules
- **Foam Fracs**—Calculate foam quality, gas/liquid ratios, and downhole viscosities
- **Acid Fracs**—Simulate acid etching, reaction kinetics, and thermal impacts on fracture conductivity
- **Frac Packs**—Evaluate tip-screenout behavior with advanced leakoff models

READY TO UNLOCK PRECISE FRAC PERFORMANCE?

See FracPro in Action—Schedule Your Demo Today

📍 2050 W Sam Houston Parkway S, Suite 1750, Houston, TX 77042, USA

☎ 1-866-529-7479 ✉ sales@linqx.io 🌐 www.linxq.io



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