ResFrac to shortens the hydraulic fracturing learning curve, allowing users to collaborate and test novel ideas in a digital environment before going to the field.
Evaluate Designs Based on Production Forecasts

- No need for unreliable proxies or complex hand-offs between software
- Entire well lifecycle in a single simulation

Industry-Leading Realism in Fluid Flow and Proppant Transport

- Fracture fluid flow includes multiphase, non-Darcy, and non-Newtonian flow effects
- Proppant transport includes bulk gravitational convection, gravitational settling, hindered settling, clustered settling, screenout, and the effect of proppant on slurry viscosity
- Model a wide variety of fluid additives: tracers, non-Newtonian fluids, crosslinking gels

Collaborate on a Single Software

- Simulating the entire life cycle of unconventional wells in one model requires inputs from geology, geomechanics, completions, reservoir, and production experts
- Customers use ResFrac as a platform to facilitate collaboration between disciplines and to distill the various perspectives into a coherent model

Simulate Complex Fracturing Operations

- Multi-well pads, parent-child wells, and/or refracturing in a single simulation
- Model appropriate timing of fracs: zipper, sequential, simultaneous, etc.
- Simulate EOR and IOR in unconventional wells: CO2 injection, miscible gas, etc.

Broad Applicability

- ResFrac is used by more than 17 companies across North America