

# Case Study: Customer Drops Pump Pressure by 31% and Uses 50% Less Friction Reducer



- **Challenge**

- Senior completions engineer with major South Texas operator asked Greenwell to provide Slick Frog pump friction reducer on a CT plug drill-out job, horizontal completion
- Coil tubing was on location with mixing trailer company
- Greenwell was informed customer running 0.5gl per 10bbbls of market-leading FR
- Was pumping 2.5bbbls/min and 7300psi when arrived

- **Greenwell Solution**

- Used Greenwell's Slick Frog at .25gl per 10bbbls

- **Results**

- Experienced drop in pump pressure of 31% (7300psi to 5000psi) once the CT was displaced with a well head differential pressure of 1600psi
- Noted exceptional performance on surface when mixing with hydration times
- No 'fish eye' effect and consistent dispersion even in recirculated fluids