

# SANJEL TREATMENT ANALYSIS & RECORDING (STAR) CENTER



Sanjel's Treatment Analysis and Recording (STAR) Center is the focal point of any fracturing job, enabling our technical professionals and customers to monitor treating pressure, annulus pressure, BHP pressure (calculated or actual), stage totals, net pressure plot, digital rates, proppant concentrations and stage displacements within the wellbore. Customers have the opportunity to monitor the fracturing job in the climate-controlled STAR Center on location, through real-time satellite transmission at Sanjel's Head Office in Calgary, or via web-based viewing software.

## Applications

- Conventional fracturing operations
- Foam fracturing operations
- High Foam Quality (FQ) unconventional fracturing systems
- Fracturing through coiled tubing
- High rate slick water fracturing

## Software

- SMARTS hydraulic fracturing analysis software
- FracproPT – 3D hydraulic fracturing simulator
- Elluminate® web-based viewing software

## Instrumentation and Control Systems

- 4 – 17" LCD color screens
- 1 – 19" LCD customer screen
- Real-time data acquisition, plotting and transmission
- Post treatment data transfer
- 20 channels with sample rates of three times per second
- Mini-Frac analysis
- Post-job display and analysis
- Monitoring and recording of:
  - Fluid and fluid slurry rates
  - Low and high pressure proppant densometer readings
  - Tubular and annulus pressure
  - Chemical additive rates
  - N<sub>2</sub> and CO<sub>2</sub> rates
  - Actual or calculated BHP