ProTechnics



COMPLETION **PROFILER**® is the industry's premier production profiling service, designed to perform in post-stimulation environments, providing the most accurate analysis of completion performance.

COMPLETION PROFILER is extremely effective in:

- Quantifying Multi-Phase Production Down to the Perforation Cluster
- Identifying Near-Wellbore Skin Damage, Fracture Conductivity Reduction
- Correlating Production Performance to Completion Effectiveness and Reservoir Rock Quality
- Evaluating Completion Mechanics, Design, and Execution
- Measure the Effects of Horizontal Wellbore Placement, Lateral Length and Inclination
- Determining the Effects of Liquid Loading (Water Hold-Up) and Flow Regime in Vertical and Horizontal Wellbores
- Identifying Re-Completion Opportunities

COMPLETION **PROFILER** is comprised of multiple memory based sensors that are used to measure producing fluid properties and velocities. These data are then sent to our Houston Technology Center where , mathematical modeling software and proprietary algorithms along with dedicated analysts with more than 90 years combined experience produce the industry's most accurate quantitative profile.

COMPLETION **PROFILER** provides unique benefits:.

- Multi-Phase Analysis (Gas, Oil and Water)
- Proprietary Spinner Design for Adverse Conditions
 - Post-Stimulation High Sand/Debris Environments
 - Low Velocity Flow Conditions
- Mass Flow Rate (Temperature) Profile Analysis
- Improves Accuracy Resolved to the Perforation/Cluster Level
- Quantifiable Water Profile in Low Flow Rate Conditions
- Evaluate Near-Wellbore Skin Damage Effects

To provide a more comprehensive evaluation of post-fracture production performance, COMPLETION **PROFILER** is commonly run in combination with the SPECTRA**SCAN**® service to validate stimulation effectiveness. SPECTRA**CHEM**® tracer service is also utilized to correlate zonal flowback efficiency to the measured production profile.

COMPLETION **PROFILER**'s rugged design ensures reliable operation in temperatures up to 350°F (176°C) and operates in pressures up to 20,000 psi (137,896 Kpa).

