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Tracers Evaluate Both Frac And Reservoir Quality

HOUSTON—QuantumPro Inc. has launched IntelTrace FYI™ (Frac Yield Insights for Enhanced Productivity), a service it says uses nanoparticle tracers to provide unparalleled clarity into completion quality (CQ) and reservoir quality (RQ) to help operators enhance well productivity, optimize multistage hydraulic fracturing, and drive superior economic returns.

IntelTrace FYI utilizes proprietary solid, inert, nonhazardous, and nonradioactive nanoparticle tracers that have been engineered for extreme durability, enabling them to withstand formation temperatures up to 2,000 degrees F and high closure stresses, QuantumPro says. According to the company, the tracers

release gradually over months to provide continuous, high-resolution data.

“Our IntelTrace FYI solution represents a paradigm shift in understanding well performance,” says Quan Guo, geomechanics adviser at QuantumPro Inc. “It moves operators beyond guesswork, providing the granular, actionable intelligence needed to make data-driven decisions that directly impact the bottom line and maximize asset value. By distinguishing between how effectively a well was stimulated (CQ) and the inherent quality of the reservoir rock (RQ), we enable targeted optimization strategies that were previously impossible.”

The company says the technology delivers both short-term (1-30 days) insights into CQ—assessing frac effectiveness and proppant conductivity—and long-term (90-180+ days) analysis of reservoir quality—evaluating geological realities such as permeability and pressure.

For more information, visit quantumprot.com/inteltrace. □