

INSIGHT FROM THE WELLSITE



Prophet^{SR} is designed to raise the intelligence on well service rigs in order to lower the cost of wellsite interventions. It does so by improving three critical performance metrics of wellsite operation and service – safety, quality and efficiency.

Prophet-enhanced service rigs automatically collect data from the wellsite, providing operating crews with far greater safety and operational controls over conventional rigs. This sharply reduces risks as well as additional downtime due to incidents, while helping improve job quality and efficiencies.

Prophet^{SR} is an intelligent service-rig control, monitoring and reporting system that enhances wellsite operations by automating certain safety and maintenance processes. It puts decision-quality information at the fingertips of field operators as well as in the hands of corporate management. Prophet^{SR} is making “dumb iron” a thing of the past.

In addition, data can be used for both job verification and for trend analyses, comparing an individual job to a set of jobs in order to refine best practices. Improved job quality, along with reduced intervention times and frequencies, results not just in lower overall costs of well site interventions, but also increased profits.

The system is specifically designed for well-servicing equipment, utilizing sensors to monitor certain rig parameters. The sensor data is used to provide a number of active safety features. Data is captured and available for later analyses to evaluate rig performance from both a qualitative and quantitative perspective.

The result: Lower cost of wellsite interventions for producers; greater safety and more profitable operation for rig contractors.



PROPHET^{SR} FEATURES

Runs as a basic safety system or as a fully-loaded intelligent service rig

Runs on a real-time embedded controller

Includes safety mechanisms such as a crown saver/floor saver, BOP test monitor, BOP RAM saver, hook load and over-pull monitors and alarms, user-defined alarm limits, H₂S monitor, sand line speed, weight and depth alarms, and tubing and casing pressure alarms

Monitors and logs a multitude of sensors useful in operations and maintenance

Includes automated monitoring of pumping system, enabling proactive vigilance as well as tracked/alarmed pump rates, pump engine temperatures, pump transmission temperatures, tank volumes and H₂S levels.

Provides driller touch-screen display

Allows data to be viewed and shared with multiple locations for sand line load, speed, depth alarming, tank level monitoring and alarming, H₂S monitoring, block positioning, hook loads, casing, tubing and annulus pressures

Generates automated personnel, safety and equipment management reports; BOP summary, function and pressure test reports; accumulator function test and swab reports; and reports for fluids drawn, including manually input data

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