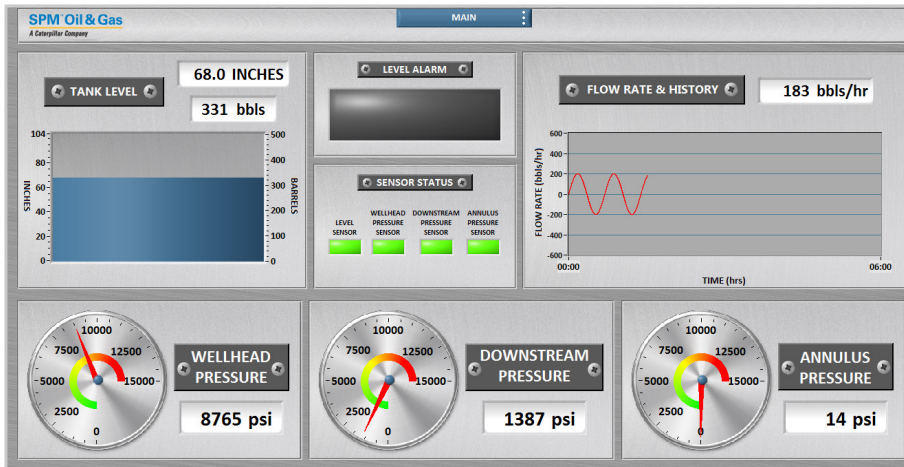


Frac Flowback Intelligent System (FFB-ISL)

SPM™ Oil & Gas

A Caterpillar Company



Features

- Intelligent sensors for measuring fluid level and wellbore pressures during flow-back and well-testing operations
- More accurate measurement of return flow rate, tank volume, and level-change analysis
- Physical-level and operating system alarms, along with warnings for remote monitoring
- Local and remote performance access, connecting customers with data via text, email, or Cloud-based portal
- Data that can be shared and reported for future reference
- Local data storage and remote data backup

Real-time Data for Better Decisions

Vastly improving decision-making and control, the Mathena™ Frac Flowback Intelligent System (FFB-ISL) provides accurate monitoring of return flow-rate and wellbore pressure data, along with fluid level changes within frac tanks. Real-time measurements are accessible from local-panel displays, while customers can view data via Cloud-based portal. An industry first, the FFB-ISL is designed to help optimize wellbore integrity and improve production.

Overview

- Built on the SPM Oil & Gas Pressure Control Intelligent Systems (WPC-IS) platform, the FFB-ISL can be deployed as a single product or integrated with multiple SPM Oil & Gas IS products
- Establishes a foundation for intelligent frac-flowback and frac-water control systems
- Technology employs wave-radar measurements to monitor frac tanks, containment pits and other vessels
- Available for rent, with service centers in every basin; fully inspected and recertified after every job
- Two-to-four weeks lead time for installation and deployment

Benefits

- Replaces guesswork with accurate, real-time measurements
- Reduces environmental risks and costs of frac tank overflows
- Improves wellbore integrity and production
- Greater accuracy compared to current manual measurement procedures
- Convenient access to real-time data via local control panel
- Lower costs and reduced non-productive time
- Simplified diagnostics and troubleshooting

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