

Invizion RT

Real-time well integrity service

APPLICATIONS

- Onshore or offshore
- Challenging conditions, including
 - Critical operations
 - Narrow pore pressure and fracture gradient
 - Deepwater
 - HPHT
 - Remote access via surveillance and monitoring system

BENEFITS

- Enables real-time decision making
- Confirms prejob design objections are met in real time
- Anticipates and prevents undesirable events before they occur
- Immediately confirms job quality parameters to enable the critical decisions if necessary
- Provides comprehensive postjob report shortly after treatment

FEATURES

- Data integration at the acquisition level
- Relevant cement unit data and rig data acquired
- Return rate acquired and processed for comparison versus real-time simulations
- Pumping schedule and stage progress monitoring
- Measured density QA/QC display and assessment in real time
- Measured and simulated surface pressures and flow rates comparison in real time
- Fluid interface positions and top of cement
- Remote capability (surveillance and monitoring system)

Invizion RT* real-time well integrity service, part of Invizion* well integrity services, significantly improves cementing operations, enabling operators to monitor, control, and evaluate cement placement in real time. The service combines job design data with acquisition data from both the rig and the cementing equipment to provide a more accurate representation of the job as it is being run.

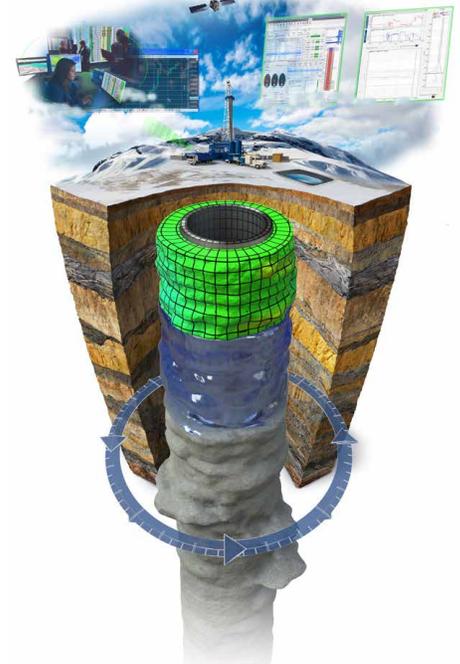
With interpretation and support by a team of highly trained engineers and experts in multiple disciplines, Invizion RT service ensures flawless service delivery, quality assurance, and quality control during the cement job, and provides a visual representation of the critical information operators need—all while delivering greater certainty and reduced risk of costly errors.

Real-time monitoring

Invizion RT service monitors equivalent circulating density in real time anywhere in the wellbore at any point during a cementing operation and enables the operator to make changes as needed by detecting issues early in the cementing process. With the Invizion RT service, operators can change parameters to prevent losses or reduce their severity, and calibrate the cement job to determine if there is a need for lost circulation material or other actions based on pressure trends.

Reporting

Invizion RT service includes a postjob report which the operator receives shortly after the job—instead of waiting days for results. This immediate confirmation of job quality parameters and fluid positions enables operators to quickly make critical decisions if necessary.



Invizion RT service combines job design data with real-time acquisition data from both the rig and the equipment to enable an effective cementing job.



Invizion RT service software.