

Invizion Evaluation

Well integrity evaluation service

APPLICATIONS

Reservoir challenges including

- Depleted zones
- Narrow drilling windows

Geometrical challenges including

- Eccentric hole and casing
- Narrow annulus
- Tortuous well paths

BENEFITS

- Verify rapid top of solids and azimuthal barrier with higher confidence using cross-domain correlated logs
- Improve cement barrier placement using systematic evaluation approach
- Identify potential zonal isolation problems and causes
- Improve future job planning and cement job design with integrated workflow system in any environment

FEATURES

- Combine correlated openhole logs, fluid placement forecast and cementing top, and acoustic logs for cross-domain interpretation
- Implement well integrity workflow for offset well analysis, drilling, or postjob evaluation
- Use evaluation analysis for future wells drilled in the same or similar areas

The Invizion Evaluation* well integrity evaluation service helps operators increase the success of stimulation treatments, optimize production with a limited footprint, and achieve successful zonal isolation during cementing. This service provides an analysis of correlated data, forecasts cementing placement, and measures the actual acoustic log results.

Analyze integrated log data

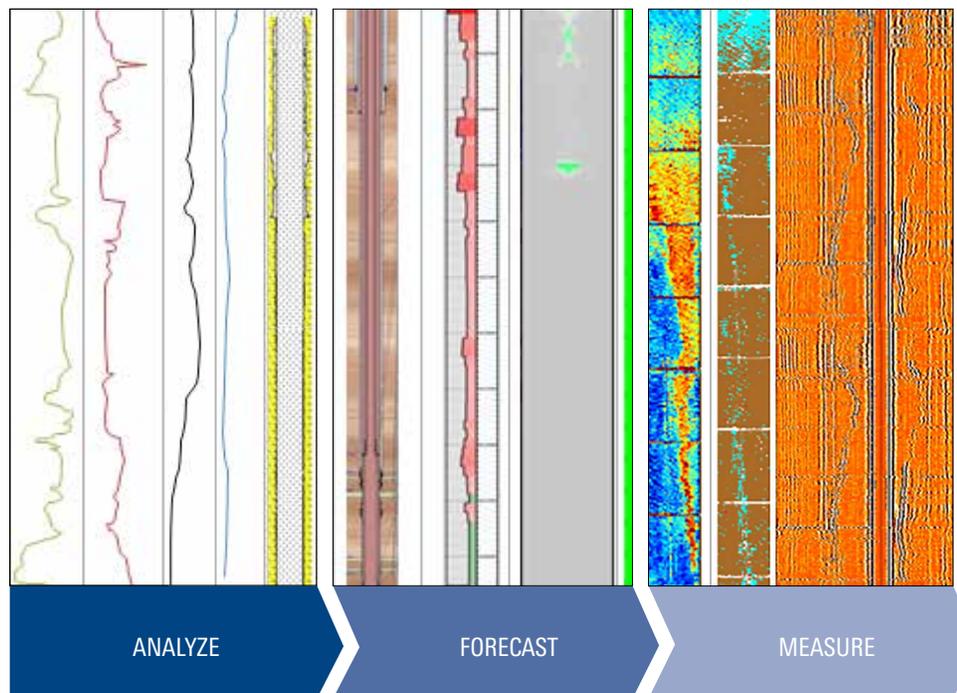
Openhole or LWD formation evaluation logs, surface measurements, and cementing placement data is correlated and analyzed using a workflow. Objectives are formulated based on the formation zones to be isolated; indication of borehole shape, quality, or both; and the effect on cement placement data. The correlated data is evaluated and delivers cementing evaluation interpretation with a higher degree of confidence.

Forecast simulation of cementing placement

The analysis of the integrated data is used to generate a report within 48 hours using hydraulic data and cement evaluation acoustic logs. This report forecasts top of cement from pressure matching and identifies potential zonal isolation problems and causes that may occur during the cementing process.

Measure against actual acoustic logs

After the cementing is completed, results are measured against the forecast simulation to ensure no issues remain and to confirm successful zonal isolation has been achieved. The results can be used during drilling operations for future wells in the same or similar areas.



Domain experts analyze the integrated data, forecast the TOC to generate a report within 48 hours, and measure the results against the forecast data to confirm successful zonal isolation.