

InSitu Pro

Real-time quality control and interpretation software for formation testers

APPLICATIONS

- Real-time monitoring, QC, and interpretation of pretest, fluid sampling, and DFA data for both wireline and LWD formation testing data
- Postjob evaluation, interpretation, and reporting

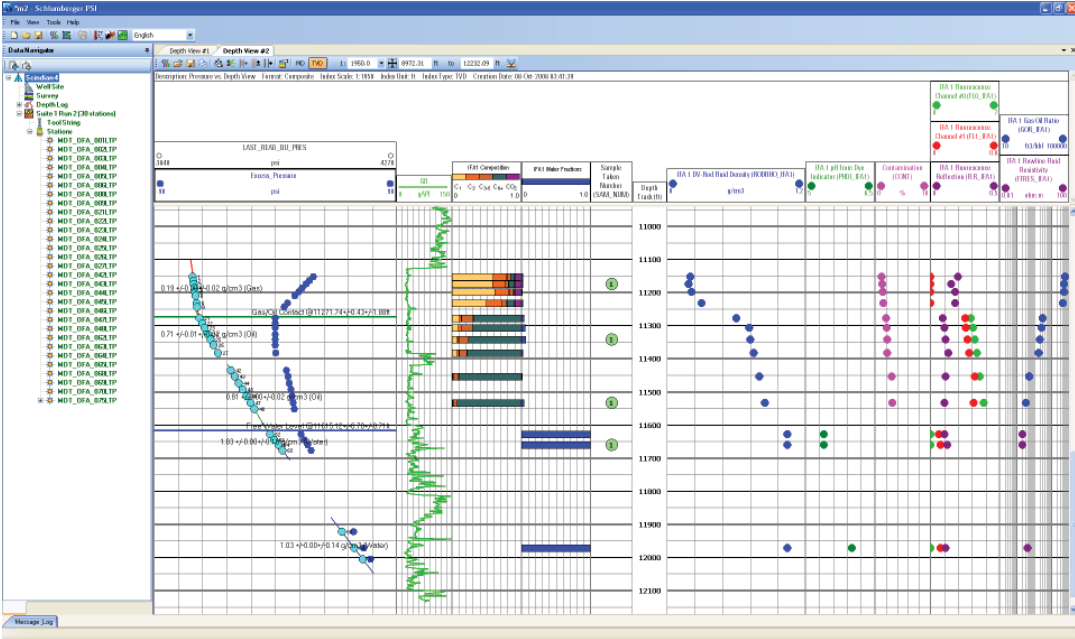
BENEFITS

- Real-time optimization of wireline and LWD formation tester acquisition for the collection of increased purity, representative samples
- Clear visualization of pretest, sampling, and DFA data for understanding the reservoir while the tools are still in the wellbore
- Critical guidance for production strategies through the determination of fluid types and contacts and the swift identification of compartmentalization
- Optimized real-time communication through use of a common software platform
- Maximization of data value between disciplines in asset team

The InSitu Pro* software package enables detailed analysis and reporting of pretest, sampling, and downhole fluid analysis (DFA) station data, both in real time and postacquisition. For real-time monitoring and QC, data is received via InterACT* service directly at the client office or Schlumberger iCenter* secure collaborative environment. Detailed interpretation can also be performed after the job to combine reservoir fluid information with petrophysical data.

InSitu Pro software comprises three main modules:

- pressure module for conducting comprehensive QC and analysis of pretests
- fluids module for conducting QC and viewing DFA and sampling data
- integration module for combining pressure and fluid analysis results from all available stations with other petrophysical and correlation logs in an integrated depth display.



The comprehensive InSitu Pro depth view combines the results of pressure and fluids analysis from multiple data sources.

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FEATURES

- Windows®-based PC application with minimal footprint
- Intuitive user interface and simple navigation
- Project creation, edit, and save for ease of access within an asset group
- Real-time and recorded mode comparison
- Toolstring schematic with interactive access to data from individual components
- Simple gradient and contact computation
- Downhole fluid analysis compatibility: InSitu Family* reservoir fluid sensors, InSitu Fluid Analyzer system, LFA* live fluid analyzer, and CFA* composition fluid analyzer data
- Fluid property corrections for temperature, pressure, and contamination based on recognized equation-of-state (EOS) model
- Integration of pressure and fluid analysis results in comprehensive depth view
- Fluid Profiling* comprehensive characterization of the reservoir fluid column

Version 1.0 is compatible with data inputs from StethoScope* formation pressure-while-drilling service, PressureXpress* reservoir pressure-while-logging service, MDT* modular formation dynamics tester service, Quicksilver Probe* focused extraction of pure reservoir fluid, and the innovative InSitu Fluid Analyzer* system.

Users can create, edit, and save projects with complete flexibility. An intuitive user interface provides access to the data browser, QC displays, logs, and crossplots, which are easily navigated through simple menus. Data and logs associated with specific tools and modules can also be accessed graphically through the toolstring panel displaying each component and its location in the toolstring. Key results are compiled in a station table, which can be exported to other applications for analysis and integration.

With InSitu Pro software, clients and Schlumberger engineers share the same software platform for powerful data analysis. This ensures that all users view identical data and presentations in real time to facilitate communication and optimize efficiency for effective operations.

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