Using IP during Well Operations

Begin your analysis as soon as your start drilling

While our Basic or Platform IP licenses cover a range of comprehensive petrophysical workflows, by adding the Wells bundle of advanced modules, you can start using IP as soon as the rig is on site.

This brings you the flexibility to start work onsite or at the office. Our WITSML Connector brings live information from any location while Chrono Log lets you view time-based LWD data alongside depth data for your wells.

IP Wells brings the integrated analysis power of IP to your campaign – in real time. Our new Geosteering solution gives you detailed formation intelligence while drilling, supporting vital decisions on well trajectory.

With Cement Evaluation, you can plan perforation and production while assuring the highest standards of well integrity and safety.

"Being able to include real-time data alongside offset wells, geological interpretations, pore prediction and petrophysical analysis means you can plan and update any geosteering plans you have designed during drilling to ensure the most intelligent and confident pathway to ensure limited downtime and maintaining reservoir contact throughout."
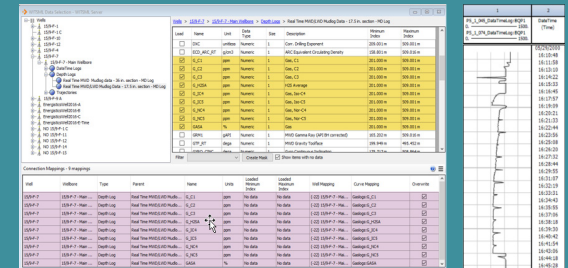
TEGWYN PERKINS
GEOENGINEERING PRODUCT CHAMPION

Geoactive

WITSML

Providing a real-time view of your aquisition data, means critical decisions using the most up to date data and IP Interpretations can be made.
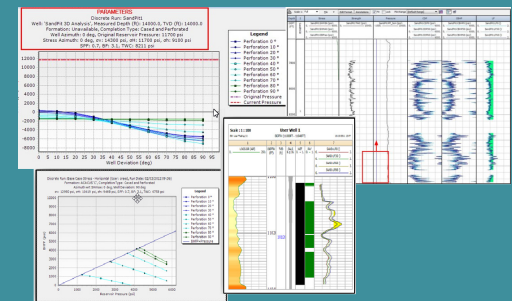
Review the relevant log (and array) data, historical or live, and download from a remote location directly into your IP database. It can download data into one or more IP wells from multiple WITSML servers simultaneously.

Multiple modules within IP can then analyse the new data to produce operationally vital calculation results and interpretations – automatically and unattended.

Chrono Log

Chrono Log imports, reviews and analyses time-indexed LWD data. Run in combination with WITSML, you can process data in real time to diagnose drilling problems or refine drilling parameters. Chrono Log can also convert time-indexed to depth-indexed data for comparison with conventional logs
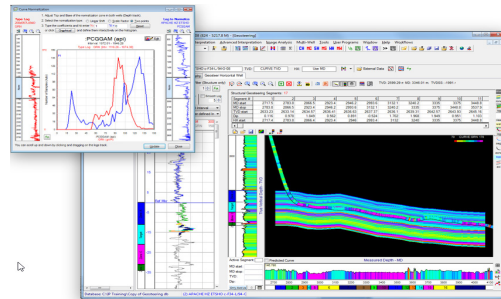
Interactive
Petrophysics

Cement Evaluation

Assess Cement Bond Log data for all the required criteria needed to indicate annular hydraulic isolation. Handles full range of common tool types from basic CBL through to advanced tools such as SLB Isolation Scanner and Baker Hughes Integrity Explorer.

Geosteering

Bring IP's combined insight to your geosteering. By fusing deep geological knowledge with real-time LWD measurements, our Geosteering module helps you drill any type of well accurately with confidence. Place your wells effectively and constantly update well trajectory, increasing exposure to the reservoir and avoid geohazards to minimise rig downtime.
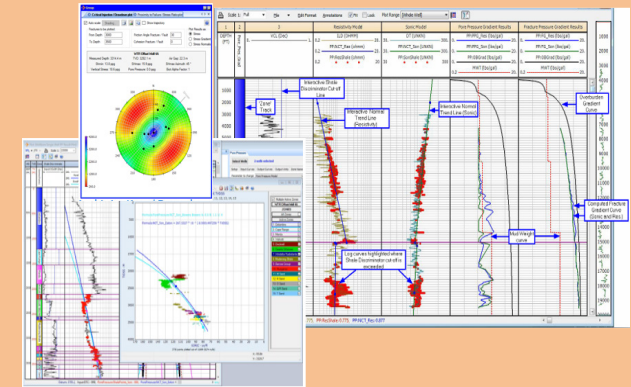
Incorporate geomechanical and offset production data it can integrate intelligence from IP's interpretations suite to inform your geosteering plans.

Multi Well Pore Pressure Prediction

Calculate the subsurface pressures your drilling programme will experience to avoid abrupt changes and ensure wellbore stability. Pore Pressure Prediction models overburden, pore and fracture pressures based on conventional log curves, drilling information and seismic data.

Develop fluid migration models. Rank prospects. Study seal effectiveness and shape casing programmes. Put Pore Pressure Prediction to work as a pre-spud predictive tool or in real-time while drilling.

Post-project, you can update and refine pressure models to inform future activity.

Geoactive

Interactive **Petrophysics**