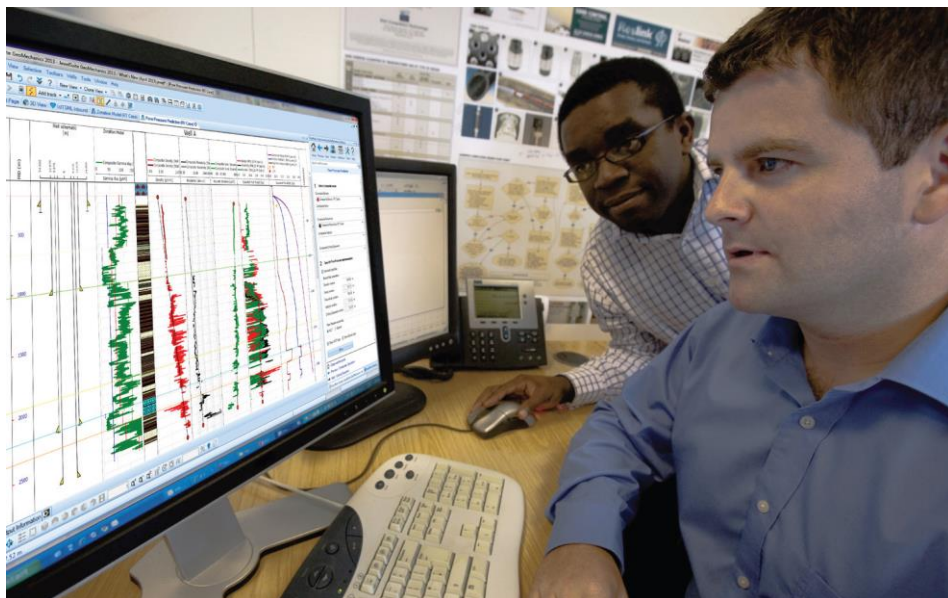


JewelSuite PressCheck

Predict abnormal pressure before and during drilling to mitigate kicks, lost circulation and NPT



JewelSuite™ PressCheck™ well-centric geomechanical modeling software provides a proven workflow to calculate geomechanical models (rock mechanical properties, overburden, formation pore and fracture pressure, and horizontal stress) from well logs and drilling data. Predict pore pressure using traditional log-based trend line methods calibrated with drilling data. Access advanced methods such as effective stress, buoyancy, centroid, and effects of injection or depletion.

With PressCheck, you can use well logs and drilling data to create well-centric geomechanical models consisting of lithology, rock mechanical properties, overburden pressure, pore pressure, minimum and maximum horizontal stress, and fracture pressure. You can display drilling events, manage multiple wells and cases, depth stretch logs and tops, manipulate logs graphically, analyze local correlations, and create customizable reports.

Optimized well planning

PressCheck enables you to reliably predict abnormal pressure during drilling to mitigate

kicks, blowouts, lost circulation, and nonproductive time (NPT). You can optimize your well plans and define a safe drilling window to maximize performance, minimize risk, and improve safety.

Improved efficiency and ease of use

Accelerate your workflow and reduce errors using several key features included in JewelSuite PressCheck. Workflows lead you step-by-step through processes and enable even the most novice users to quickly learn the application. The built-in audit trail captures all actions performed for a project and provides auditable and reproducible modeling steps. Building reliable geomechanical models with JewelSuite PressCheck is straightforward and painless.

Seamless connectivity with other applications

You can use the JewelSuite PressCheck as a standalone application or in combination with other geomechanics software to complement your existing workflow. Easily connect with JewelSuite RT, a real-time/WITSML add-in,

Applications

- Offshore drilling
- Exploration wells
- High angle and extended reach wells
- Complex geology
- Depleted reservoirs
- Underbalanced drilling
- Environmentally sensitive areas

Features and benefits

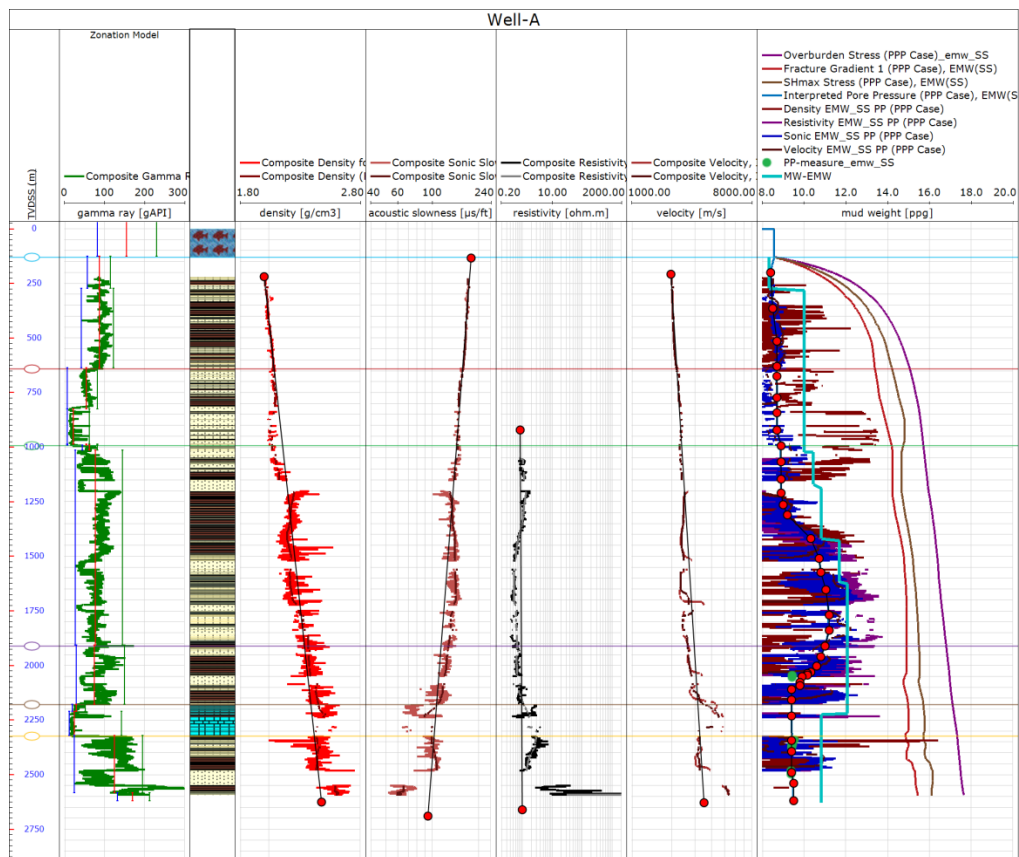
- Complete geomechanical modeling workflow
 - Ensures accurate calculations of rock properties, overburden, formation pore and fracture pressure, and horizontal stress from well logs and drilling data
 - Minimizes risk and improves safety during drilling
 - Optimizes reservoir performance
- Connectivity to advanced geomechanical applications
 - Analyzes wellbore stability with JewelSuite WellCheck™ software
 - Migrates 1D well-centric models to 3D reservoir-centric models and analyzes fault and fracture slip with JewelSuite 3D GeoMechanics software
 - Simulates full-field geomechanics with JewelSuite 4D GeoMechanics software

to assess drilling data from remote locations for real-time geomechanical modeling. Seamlessly connect to JewelSuite WellCheck™ to reliably forecast and analyze wellbore instability before and during drilling to mitigate wellbore failure and formation damage.

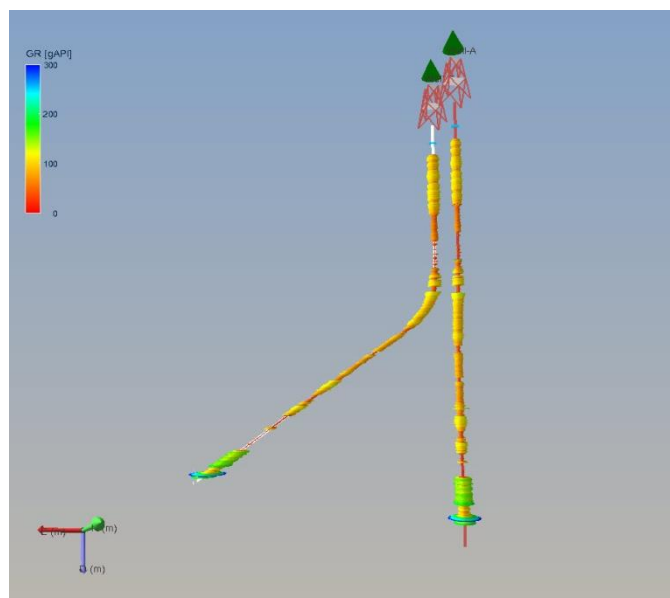
Our software offers the most advanced multidisciplinary knowledge and techniques available to interpret your data quickly, accurately, and effectively to optimize your drilling campaigns. JewelSuite PressCheck is built on the JewelEarth™ development platform so you can easily incorporate your models and analysis in an advanced, integrated geomechanical workflow. You can use applications seamlessly by exchanging data between them through shared files, or by dragging and dropping data.

Learn more: contact us today

To learn more about JewelSuite PressCheck, contact your Baker Hughes representative today or visit www.BakerHughes.com/reservoir-software.



A complete geomechanical model (Lithology, UCS, Sv, Pp, SH, Sh, FG, AziSHmax)



Display wells, logs and tops in 3D view

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