

DrillFact® Real-Time Pore Pressure Monitoring Service

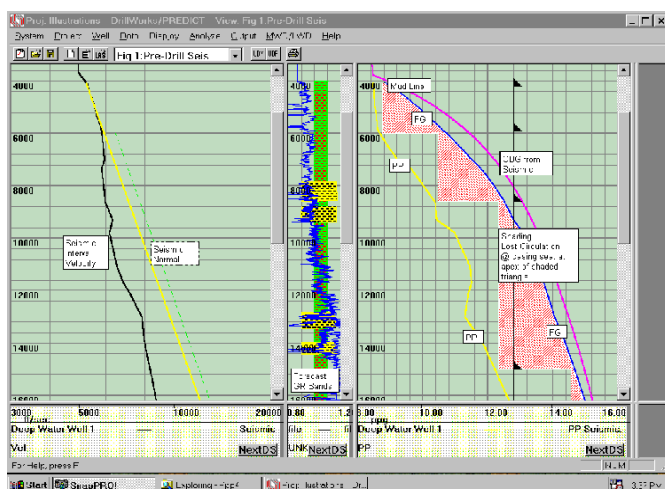
REDUCE DRILLING UNCERTAINTY AND NON-PRODUCTIVE TIME

OVERVIEW

As conditions change downhole while drilling, it is important to maintain safe operating parameters to ensure good borehole quality and decrease the risk of catastrophic events. The Real-Time Pore Pressure Monitoring service from Halliburton Sperry Drilling monitors downhole conditions and updates the pore pressure and fracture gradients to help reduce uncertainty and events that could cause non-productive time (NPT).

The Real-Time Pore Pressure Monitoring service reduces pore pressure uncertainty by updating the prediction models in real time. Using DrillWorks® software from Landmark, our team includes all available log curves and well data for a comprehensive analysis. The result is an estimated pore pressure gradient, which is then used with diagnostic fracture injection test (DFIT™) and leak-off test (LOT) data to calculate the fracture gradient. With each update, drillers are provided clearer drilling parameters to maintain well efficiency and safety.

The service can be run at the wellsite, in a client's office, or in a Halliburton Real Time Center™ (RTC). Analysts, regardless of location, work closely with the surface data logging crew on-site to provide proactive solutions to reduce well time and maximize asset value.



Reduce uncertainty while drilling and ensure safe drilling parameters by updating the pore pressure and fracture gradient model in real time.

For more information, contact us at sperry@halliburton.com or visit us on the web at www.halliburton.com

FEATURES

- » Provides real-time solutions from specialists on-site, off-site, or both
- » Utilizes pre-drill models and updates models during real-time analysis
- » Calibrates real-time analysis to actual wellbore observations
- » Calculates solutions from any available, data including:
 - Logging-while-drilling (LWD) data
 - Geological data
 - Gas analysis
 - Mechanical rig measurements
 - Pressure-while-drilling (PWD) data
 - Surface data (e.g., cuttings, gas, drilling parameters, pits, and mud properties)

BENEFITS

Drill to Produce

- » Optimize casing and fluid programs with improved prediction accuracy while drilling

Reduce Well Time

- » Identify and mitigate drilling hazards to reduce NPT
- » Mitigate formation fluid influx, drilling fluid loss, and wellbore instability

ADDITIONAL SOLUTIONS

Advanced real-time pore pressure monitoring and analysis are available from our Drilling Engineering Solutions group.

Halliburton Project Management offers a geomechanics service for advanced pre-well modeling and basin analysis, and additional real-time geomechanics analysis.

Sales of Halliburton products and services will be in accord solely with the terms and conditions contained in the contract between Halliburton and the customer that is applicable to the sale.

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