DeepSuite™ High-Performance, High-Pressure Sensors

Halliburton’s DeepSuite™ tools represent the latest generation of formation evaluation technology. DeepSuite tools feature industry-leading pressure capabilities up to 35,000 psi. These tools are ideal for meeting the challenges of ultra-deepwater wells.

This full petrophysical suite of tools includes a dipole Array Sonic Tool, a Reservoir Description Tool (RDT™) and the Hostile Rotary Sidewall Coring Tool (HRSCT™) systems capable of working in a 35,000 psi well, along with other advanced measurement sensors. And with additional DeepSuite tools in development, we are continuing to push the limits of the operating environment for formation evaluation tools.

Halliburton’s HRSCT tool includes the exclusive CoreVault™ system that seals core samples under pressure to prevent fluids from escaping when the samples are brought to surface.

Opening New Horizons in Formation Evaluation

Halliburton is the only company in the industry capable of logging ultra-deep wells (40,000 feet) that exceed 30,000 psi. Operators can now gain valuable insights into a new generation of wells with extreme conditions.

A unique dog-bone isolator allows Halliburton’s 35,000-psi Array Sonic Tool to withstand extreme tension and compression.

Halliburton’s dipole Array Sonic Tool can withstand the most extreme conditions in the industry’s harshest wells.
Tools that Can Take the Heat

High-Performance Tools with the Latest Sensor Technology
Operators working in deep and ultra-deepwater wells often encounter extremely high pressure and temperature that can cause inferior tools to fail. Halliburton’s HEAT™ Suite tools are rated up to 500°F and 30,000 psi, so they can withstand even the most hostile environments.

The latest generation of HEAT Suite tools includes state-of-the-art sensor technology for the most accurate possible logging information. These cutting-edge tools include array induction sensors and dipole sonic sensors for petrophysical analysis.

High-Temperature Formation Tester
The latest version of Halliburton’s Hostile Sequential Formation Tester (HSFT-II™) tool routinely performs pressure tests and fluid sampling in temperatures up to 450°F (232°C). The efficient design is smaller and lighter than most of the tools on the market, so it can operate even in small wellbores, making it the ideal choice for mission-critical, high-temperature formation testing.

High-Pressure, High-Temperature Coring Tool
Our Hostile Rotary Sidewall Coring Tool (HRSCT™) system takes large 1.5-inch diameter cores. But where many large-size coring tools struggle to operate in high temperatures and pressures, the HRSCT tool is designed to operate in wells reaching 400°F (204°C) and 35,000 psi. As an added bonus, it works on the same wireline used to perform other logging operations.

Full Conveyance Package Rated to 500°F
Halliburton has a complete package of risk-mitigating conveyance solutions rated to 500°F. This package includes cables, jars and releasable cable heads, so operators can use the most advanced tools in the most extreme wells with fewer concerns about failure due to temperature.