DATA SHEET

HALLIBURTON

FORMATION EVALUATION | FORMATION TESTING

Reservoir Xaminer™ formation testing service

FEATURES

- Modular formation testing system for complex, low-mobility reservoirs
- High-strength straddle packer for injectivity and containment evaluation
- Multiple probe, pad, and dual-probe configurations
- High-accuracy quartz gauge pressure measurements
- Advanced fluid identification and sampling capabilities

BENEFITS

- Reduces uncertainty in reservoir and containment evaluation
- Improves operational efficiency with fewer runs and shorter test time
- Enables real-time decision making during formation testing
- Supports CCS storage, injectivity, and caprock integrity assessment
- Lowers emissions compared to conventional DST operations

APPLICATIONS

- Reservoir delineation and reserves estimation
- Productivity assessment for well planning decisions
- Screening for DST design and optimization
- Characterization of laminated, heterogeneous, or low mobility formations
- Assessment of caprock integrity and containment for CCS projects.

Overview

The Reservoir Xaminer™ formation testing service delivers precise formation pressure data and high-quality fluid samples to reduce subsurface uncertainty in complex reservoir environments. As exploration and development push into deeper and more challenging plays, operators require accurate data to guide well planning, reservoir modeling, and containment decisions. Reservoir Xaminer formation testing service provides that clarity with accurate pressure measurements, advanced fluid identification, and efficient sample acquisition.

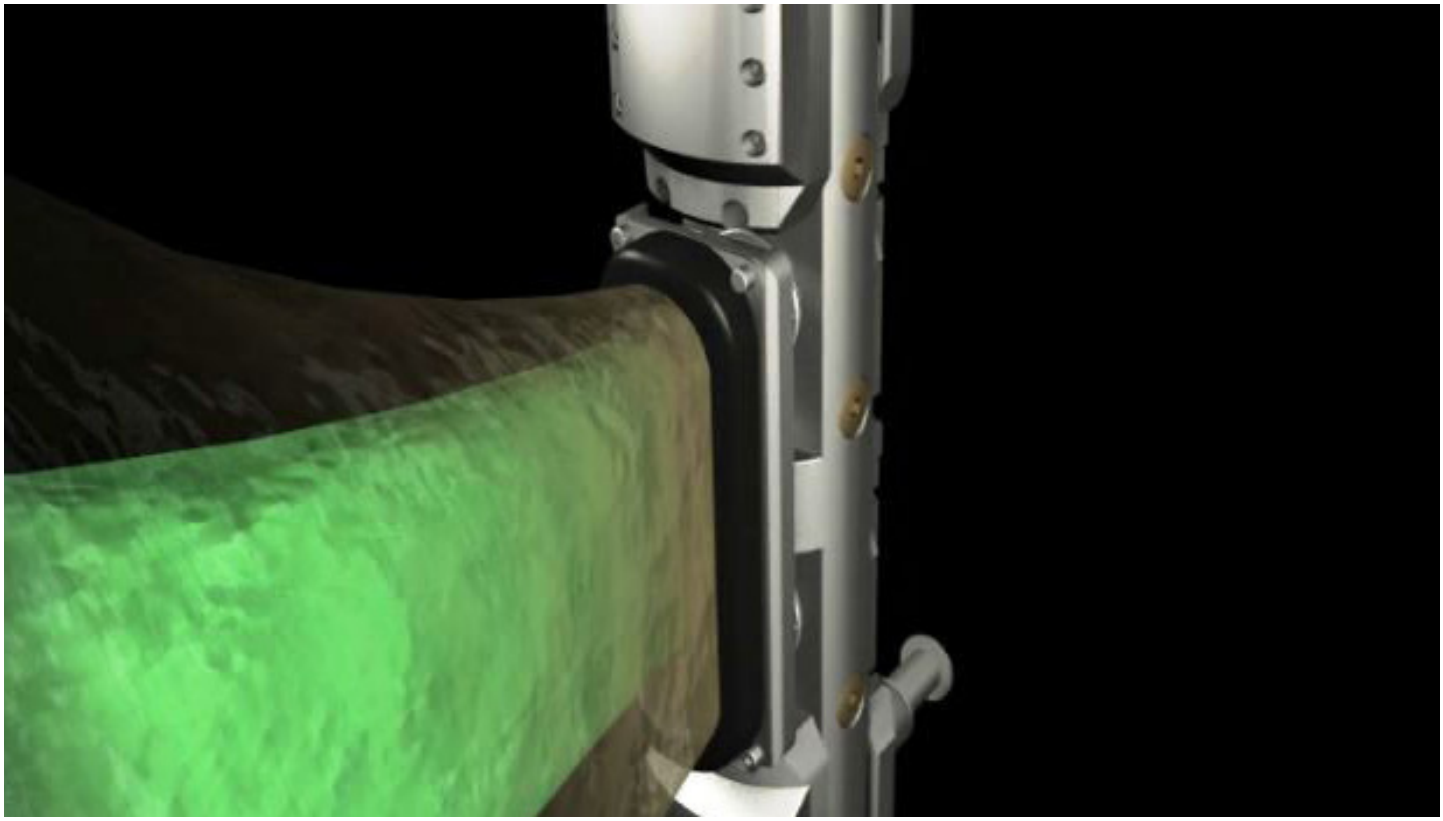
A modular architecture supports a wide range of mobilities and temperatures through tailored configurations using multiple probe, pad, and dual-probe options, which allows reliable testing across laminated, heterogeneous, and low-mobility reservoirs. An advanced power module supports longer tool strings and extended operations. This design reduces the number of tool runs required, improves overall operational efficiency, and helps minimize stuck-tool risk.

The high-strength straddle packer expands the service beyond traditional formation testing by enabling controlled microfracture creation to evaluate injectivity and caprock integrity.

This capability supports both hydrocarbon development and carbon capture and storage (CCS) applications, including storage screening, containment assessment, and injectivity evaluation.

High-resolution quartz pressure gauges, positioned at precise depths, enable accurate pressure and gradient measurements using a single stop gradient method. This approach reduces station count, shortens acquisition time, and lowers depth-related uncertainty, delivering more consistent reservoir pressure profiles in fewer test points.

The advanced pumping and fluid identification technologies provide detailed characterization of reservoir fluids, which include fluid type, phase behavior, viscosity, density, and contamination levels. High pump rates and flushing capabilities allow for extended radii of investigation and efficient cleanup. This design supports low-contamination sample recovery and deeper dynamic reservoir characterization. Compared with conventional drill stem testing, the service reduces testing time, rig exposure, and emissions to deliver actionable data for faster, more informed decisions.



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For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com