

## Formation Evaluation

# Xaminer<sup>®</sup> Deep Testing logging service

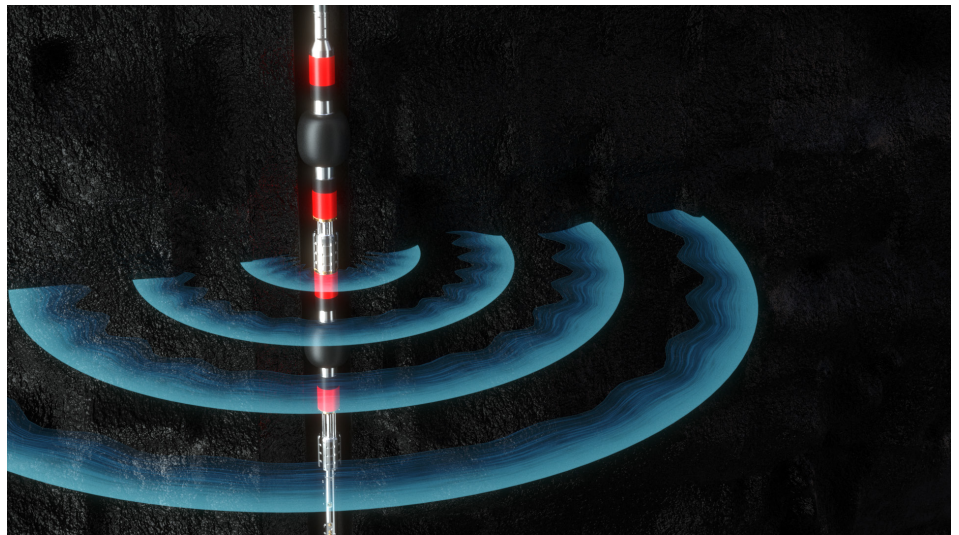
High-resolution reservoir characterization with maximum operational efficiency

## FEATURES

- High rate dual-pump testing
- Ultra-high-resolution quartz pressure gauges
- Deep radius of investigation (up to 1,640 ft)
- Drill pipe conveyance with full well control
- Modular packer and configuration flexibility

## BENEFITS

- Screens reservoirs for DST suitability while reducing upfront cost, risk, and operational exposure
- Reduced rig time and operational exposure
- Lower flaring and environmental impact
- Improved reservoir confidence and decision making
- Real-time test optimization at the wellsite



## Overview

The Xaminer<sup>®</sup> Deep Testing logging service delivers deep-reading reservoir insight and high-rate pump performance in a single, efficient run. Operators need reliable data that reduces uncertainty, supports well planning, and lowers operational exposure. Xaminer Deep Testing logging service meets these needs through dual, high-rate pumping capability, ultra-high-resolution quartz pressure measurements, and modular configurations that adapt to reservoir complexity.

With a radius of investigation up to 1,640 ft (500 m), the service extends beyond the limits of conventional wireline formation testers. This reach enables evaluation of reservoir boundaries, connected volumes, and far-field formation behavior. This expanded reach supports real-time assessment of fluid distribution and reservoir deliverability while reducing rig time, minimizing flaring, and decreasing environmental impact.

Dual high-rate pumps deliver up to 200 cc/sec (720 L/hr, 108 bbl/day). This capacity supports rapid cleanup and sustained drawdown in low-mobility formations, while redundant pump architecture improves reliability in demanding conditions. Ultra-high-resolution quartz gauges capture subtle pressure responses with 0.003 psi resolution to help provide precise pressure transient analysis typically associated with drill stem tests (DST).



A modular intake and dual packer system supports a wide range of spacing intervals, which allows test configurations to be tailored to thin beds, heterogeneous intervals, or complex reservoir geometries. Real-time downhole data transmission supports dynamic test design at the wellsite, which allows engineers to adjust flow rates, drawdown strategy, and test duration based on actual reservoir response. When conveyed on drill pipe, the service maintains full well control throughout pumping and sampling operations to screen reservoirs for DST suitability while reducing upfront cost, risk, and operational exposure.

### Xaminer® Deep Testing logging specifications

DIMENSION AND RATINGS	
Maximum temperature	350°F (177°C)
Maximum pressure	25,000 psi (172,369 Kpa)
<b>Borehole Conditions</b>	
Borehole fluids	Salt, fresh and oil
Recommended logging speed	Stationary
Tool positioning	Centralized and eccentricized
<b>Pump Performance</b>	
Pumps per string	2
Dual pump capable	yes
Pump volume	647 cc/stroke (0.17 gal)
Maximum pressure	2,000 psi ΔP
Maximum pump rate single pump	100cc/sec (6 L/min) @ 500 psi ΔP
Maximum pump rate dual pump	200cc/sec (12 L/min) @ 500 psi ΔP



### Xaminer® Deep Testing logging physical strengths

HARDWARE	TENSION	COMPRESSION	TORQUE	CONNECTION
Tool joints	200.000 lb*	200.000 lb*	600 ft-lb*	Thru flowline connector, 23-pin

\*Strengths apply to new tools at 70°F (21°C) and 0 psi.

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