

WELL COMPETITIONS | INTELLIGENT COMPLETIONS

Auris® Integrity Checker

Reliable wireline monitoring and downhole device control

FEATURES

- Wireless system easily deployed without impeding completion run
- Simplified system with multiple sensor options
- Designed for harsh conditions up to 35,000 psi, 302°F (150°C)
- Field-proven bidirectional acoustic telemetry
- Real-time control and verification of downhole devices

BENEFITS

- Rig time savings and improved health, safety and environment (HSE) performance
- Real-time downhole feedback from depth to help eliminate tool operation uncertainty and provide verification during critical path operations
- Fully wireless system enables fast deployment without the need for control lines from the surface

Overview

Operators of today's high-profile completions typically rely on conventional surface data to determine downhole activity at tool depth. In platform or subsea developments with extended-reach wells, completion design constraints can limit monitoring and communication capabilities, which makes it difficult to confirm service tool position or that a remote device functioned properly during the critical path of operations. To address such issues, Halliburton developed the Auris® system platform, which provides a wireless interface to various downhole completion systems, to enable remote real-time monitoring and actuation of downhole devices using a signature acoustic pulse from surface.

The Auris system technology is enabled through the field-proven DynaLink® telemetry system that helps reduce risk and save time through elimination of intervention requirements and the need for any surface control lines (and associated tubing hanger penetrations). The system's simple modular design allows versatility and reduces operation complexity and costs.



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Application

- Remote packer setting. The Auris® HPT-A packer setting system helps eliminate the requirement to drop a ball, pump the ball on the seat, or apply pressure from the surface.
- On-demand bottomhole assembly (BHA) depth and positioning. When run as part of the DynaTrac® real-time wireless depth correlation system, a simple button click in the software application confirms the sand-control service tool position and liner hanger or packer setting depth throughout well operations.
- Remote pressure and temperature monitoring below bridge plugs. Wireless monitoring capability enables informed decision making and safer operations during wireline retrieval of the plug assembly. It is ideal for plug and abandonment applications.
- Intelligent completions dual-trip integrity management. In dual-trip completions, the Auris integrity management system allows for remote wireless monitoring of the intelligent completions hydraulic and electric control lines while running in hole. After the completion is landed, the system monitors pressure and electrical continuity to confirm no damage occurred during deployment, before the packer is set and the upper assembly is released — without the need for surface control lines.

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

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