

Muzic wireless telemetry

Bidirectional communication between surface and downhole for real-time downhole reservoir testing

 **Temperature:**
up to 330 degF [165 degC]

 **Pressure:**
up to 18,000 psi [124 MPa]

Applications

- Downhole reservoir testing
- Land and deepwater environments
- Exploration and appraisal testing

How it improves wells

- Optimizes rig time and testing certainty with real-time test validation and data interpretation
- Enhances safety
- Enables multizone testing in a single trip
- Mitigates risk during validation of test results for more accurate characterization
- Reduces or eliminates the need for wireline intervention
- Enables reliable communication in heavy mud

How it works

Muzic* wireless telemetry provides bidirectional downhole tool communication with real-time readout of tool status and downhole pressure data. The system enables

modifying the test design and validating downhole pressure data during the test so you know when sufficient information has been gathered to meet your test objectives.

The system uses a repeater network to provide two-way communication between surface and downhole. After downhole data is acquired at surface, it can be integrated with surface measurements and transmitted to remote offices where technical experts can analyze the information individually or collaboratively.

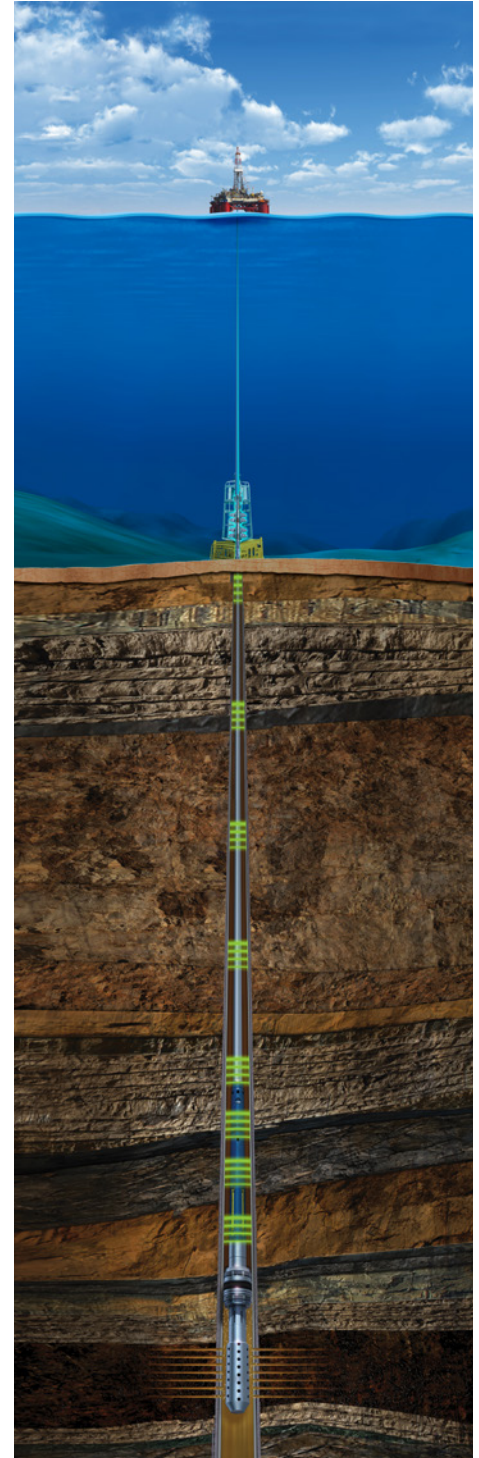
Reliable communication, no matter the well condition

Muzic wireless telemetry provides reliable communication, even in heavyweight mud—enabling real-time communication and flexibility in complex well testing programs to save time and cost.

The system is fully compatible with subsea operations with the addition of the subsea interface module onto the subsea landing string.

What else I should know

Muzic wireless telemetry unites the downhole testing tools in Symphony* live downhole reservoir testing to enable you to position, isolate, connect, measure, control, sample, select, and profile your reservoir in real time.



Muzic wireless telemetry repeater network.

Muzic Wireless Telemetry Specifications

Description	Wireless repeater
Service	NACE H ₂ S
Working pressure, psi [MPa]	18,000 [124]
Max. OD, in [mm]	1.2 [30.1]
Working temperature, degF [degC]	330 [165]
Single-hop transmission, ft [m] ¹	0 to 984 [0 to 300]
Data transmission	Real time or historical

¹ Depends on well conditions

All specifications are subject to change without notice.