

FEATURES

- Integrated hybrid architecture combines fiber-optic monitoring capability with ASIC-based electrical monitoring
- Supports Opsis® permanent downhole gauges, DTS, and DAS technologies
- Single-cable configuration incorporates fiber-optic and electrical conductors for power and data transmission
- Designed for compatibility with the DataSphere® permanent monitoring suite and SmartWell™ intelligent completion systems
- Qualified through applicable system-level and component-level testing
- Facilitates pressure, temperature, DTS, and DAS measurements from one permanent monitoring platform

BENEFITS

- Supports improved downhole visibility by combining point and distributed measurements for a more comprehensive view of well performance
- Aids faster, data-driven decisions for production monitoring, reservoir management, stimulation monitoring, flow profiling, and VSP applications
- Can simplify installations by consolidating fiber-optic and electrical monitoring functions into one system architecture
- Reduces slickline intervention frequency and gas consumption in applicable gas-lift monitoring applications
- Helps lower HSE exposure associated with interventions and workovers in wells with electrical submersible pumps

COMPLETION SOLUTIONS | PERMANENT MONITORING

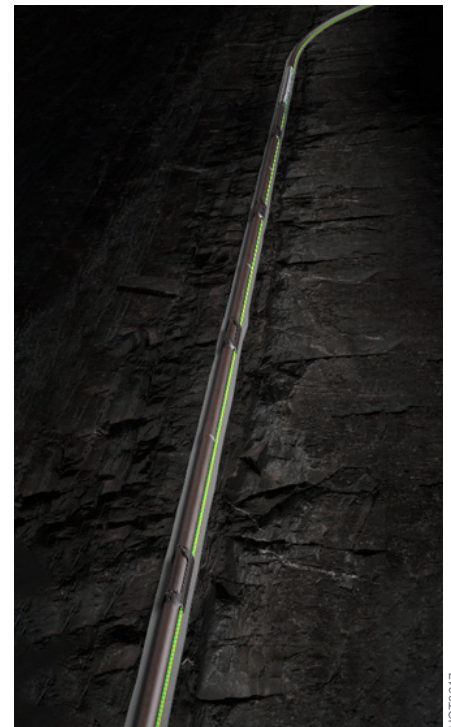
DataSphere® Hybrid fiber-optic/electrical system

Expand permanent downhole insight with integrated fiber-optic and electrical monitoring for intelligent completions

Overview

The DataSphere® Hybrid fiber-optic/electrical system, part of the DataSphere® permanent monitoring suite, helps operators extend the value of permanent downhole monitoring by combining high-resolution fiber-optic measurements with a proven electrical monitoring platform in one integrated system architecture.

Built for intelligent completion applications, the system delivers pressure, temperature, distributed temperature sensing (DTS), and distributed acoustic sensing (DAS) data to support faster production insight, improved reservoir understanding, and more informed life-of-well decision-making.



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Integrated fiber-optic and electrical permanent downhole monitoring for intelligent completions delivers faster production insight and improved reservoir understanding from a single platform.

Applications

Designed for permanent monitoring installations and intelligent completion workflows, the DataSphere® Hybrid system helps operators turn downhole measurements into operational insight in applications, such as:

- Life-of-well production and injection surveillance
- Artificial-lift monitoring and performance optimization
- In-well monitoring, measurement, and verification (MMV)
- Production optimization, conformance monitoring, pump monitoring, gas-lift monitoring, and wellbore integrity assessment
- Vertical seismic profiling (VSP), flow profiling, stimulation monitoring, well-integrity assessment, and leak-detection workflows

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

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