DATA SHEET

HALLIBURTON

INTELLIGENT COMPLETIONS | FIBER OPTIC WELL MONITORING SYSTEMS

Visum® wellbore insight

Use sensor data to support actionable insights with real-time, edge-based solutions

FEATURES

- Application-specific answer products
- Adaptable from pilot to field-wide deployment

BENEFITS

- Cost-effective well and reservoir monitoring
- Continuous monitoring throughout the well lifecycle

Overview

Visum® wellbore insight delivers a major advance in wellbore efficiency and proactive reservoir management. The platform applies edge-based analytics to convert sensor data into real-time insights that support operational decision-making and support continuous monitoring and ongoing performance improvement throughout the well lifecycle. Applications include carbon capture, production monitoring, and water injection, supported by advanced physics-based models and machine learning to improve wellbore integrity, flow profiling, and injection control. This approach maximizes asset performance and reduces costly interventions.

Applications

Visum wellbore insight supports modular deployment in production, injection, carbon storage, and related applications. The platform converts distributed and point-sensor data into operational insights through edge-based analytics, intuitive visualization, and automated workflows to address a wide range of operational requirements.operational requirements.

Carbon capture, utilization, and storage (CCUS): Visum CS™ wellbore insight supports the measurement, monitoring, and verification (MMV) of wellbore integrity, containment performance, fault reactivation, regulatory compliance, and operational assurance.

Production monitoring: Visum PM™ wellbore insight uses advanced physics-based models to provide real-time flow profiling insights that support proactive well management.

> Visum® wellbore insight offers a configurable dashboard that displays completion diagrams, production rates, and cumulative production to provide a consolidated visualization of well performance.

Water injection: Visum WI™ wellbore insight applies advanced machine learning (ML) algorithms to characterize zone-specific flow rates and improve injection control and sweep efficiency through Halliburton SmartWell® intelligent completion injection control valve (ICV) technology.

> Visum® wellbore insight delivers edge-based analytics that support proactive reservoir management and cost-effective well monitoring.



Visum® wellbore insight dashboard display

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

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