Jamaica Well Logging Fiber Optic System

The distributed fiber optic vibration signal data extracted from the fiber optic sensor for injection well A were selected for processing, and the well was logged for the purpose of detecting ...

These results demonstrate that fiber optics represents a paradigm shift in well integrity assessment, transitioning from interpretive and reactive methodologies to real-time, high-resolution, and proactive ...

It is an advanced monitoring architecture that integrates Distributed Temperature Sensing (DTS) and Distributed Acoustic Sensing (DAS) to turn an entire fiber optic string into a continuous...

This work not only validates fiber-optic sensing as a high-resolution diagnostic platform but demonstrates its readiness as an intervention enabler, offering a scalable methodology for complex ...

This paper proposes a reflective fiber-optic sensor network for multiparameter state monitoring in oil and gas wells. The network is composed of a ground-based sensing signal ...

The present invention relates to well logging, and more particularly to a communication system for measuring characteristics of earth formations in a borehole using fiber optic logging...

A complete well integrity monitoring system is created by combining the FEBUS A1 (DAS), the FEBUS T1-R (DTS) and the FEBUS G1-R (DSTS). Our solution offers highly sensitive devices, distributed ...

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We provide real-time fiber-optic insights to monitor well integrity, optimize production, and detect issues early. Our DFOS systems enhance safety, efficiency, and operational decision-making for oil and gas ...

ExpressFiber is the most economic fiber solution for routine cross-well monitoring, has little to no impact on operations and can be pumped downhole in offset wells within a couple of hours.

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