

SPIDRlive™ Self-Powered Intelligent Data Retriever

STREAMING LIVE WELL TEST DATA FOR UNCONVENTIONAL WELL TESTING AND FRAC-INTERACTION MONITORING

OVERVIEW

The Halliburton SPIDRlive™ data acquisition system is designed for well testing and well surveillance without wellbore intervention. The SPIDRlive system consists of hardware to capture high-quality wellhead pressure data and proprietary models that enable Halliburton to accurately model bottomhole conditions from the wellhead. Use of the SPIDRlive system avoids the costs and risks of running downhole pressure gauges.

FEATURES

- » Dual-quartz pressure transducer with 0.01-psi resolution
- » Up to 1-second sample frequency
- » Pressure data compensated for ambient temperature change
- » Powered by alkaline batteries
- » 10,000 or 15,000 psi
- » Capable of storing over 16 million samples
- » Intelligent sampling to condense file size
- » One external port for external pressure, temperature, or rate monitoring
- » Capillary tube connection to isolate the SPIDRlive system from wellhead temperature effects
- » ½-inch National Pipe Thread (NPT) connection or ⅝-inch autoclave connection
- » Wireless communication to a field edge device
- » Streaming well data through the cloud to your designated mobile device

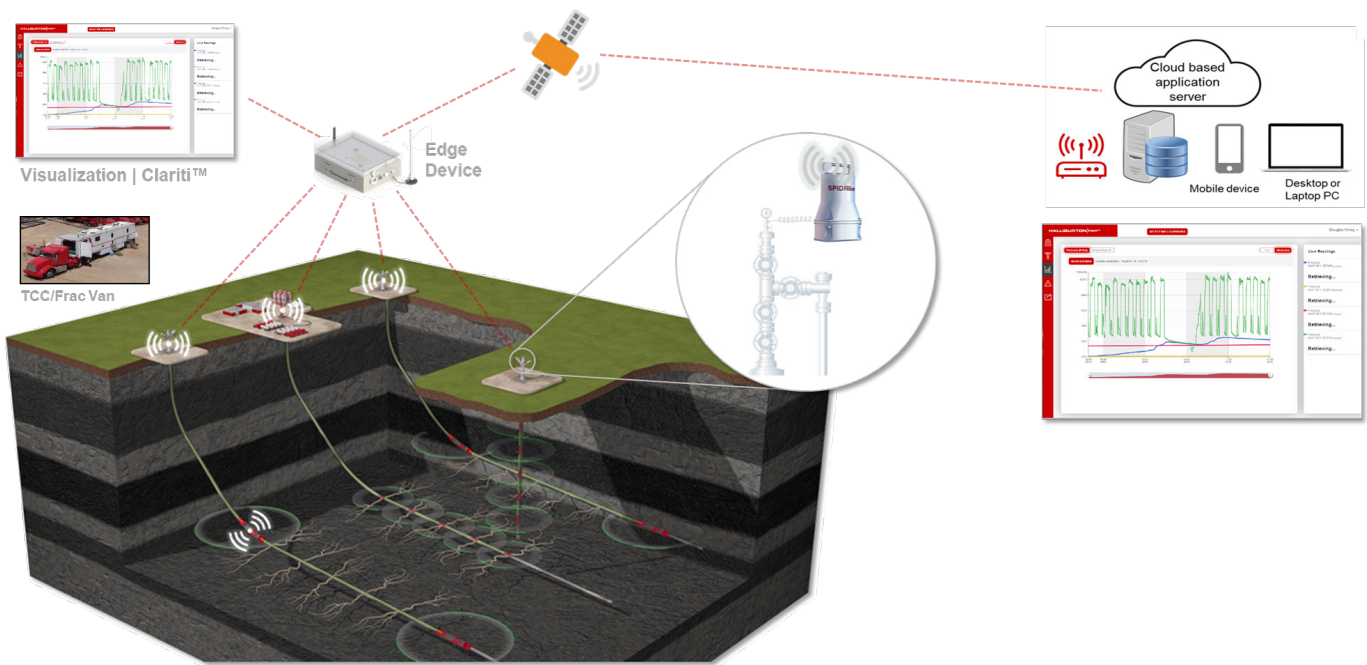
BENEFITS

- » Capture the high-resolution and high-frequency data necessary to perform pressure transient analysis from the wellhead
- » Accurately calculate bottomhole pressure from wellhead measurements
- » Determine skin, permeability, and reservoir pressure without running any equipment downhole
- » View and download data in real time with no data interruption
- » Memory and battery life that enable data recording for up to two years, depending on sample frequency
- » Powered by alkaline batteries with no hazardous material limitations
- » Monitor in real time from remote locations for unconventional reservoir performance monitoring of diagnostic fracture injection test (DFIT™) operations, frac interactions of offset wells, or CALIBR™ oil and gas well flowback operations



SPIDRlive™ Specifications

Full-Scale Pressure	10,000 or 15,000 psia
Resolution	0.01 psi
Accuracy	0.025% of full-scale pressure
Transducer	Quartz
Memory Capacity	16 million data sets (in single mode)
Nominal Sampling	One sample per second
Power	8 x alkaline D-cell batteries
Thermal Compensation	Indicated pressures unaffected by ambient temperature changes within the operating ambient temperature range
Operating Temperature Range	-20°F to 130°F (-29°C to 54°C)
Connections	1/2-inch NPT connection for 10,000 psi 3/8-inch autoclave connection for 15,000 psi
Communication	Wireless to the edge; cellular from edge to the cloud



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

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