Schlumberger

Kinetix RT

Real-time stimulation optimization software

APPLICATIONS

- Fracturing, refracturing, and acidizing operations
- Coiled tubing, wireline, and digital slickline operations
- Fluid injection profiling
- Breakthrough monitoring

BENEFITS

- Facilitates stimulation optimization with real-time downhole data visualization
- Improves stimulation efficiency by verifying fluids, proppant, and diversion agent effectiveness
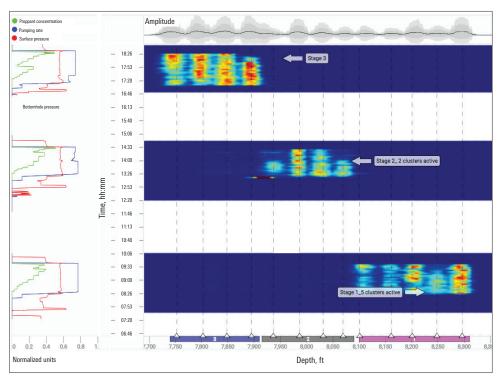
FEATURES

- Cloud-based web application
- Continuous monitoring of injected fluid distribution over perforated intervals or openhole zones
- Data visualization from multiple sources
  - Heterodyne distributed vibration sensing (hDVS)
  - Distributed temperature sensing (DTS)
  - Distributed strain temperature sensing (DSTS)
- Confirmation of diversion
- Multiple simultaneous, independent measurements for validation
- Simplified access via DELFI* cognitive E&P environment

Kinetix RT* real-time stimulation optimization software is a cloud-based application that facilitates real-time stimulation decision making through visualization of fiber-optic data. The application synchronizes and simultaneously displays visually intuitive pumping data from any surface acquisition system and fiber-optic source.

Kinetix RT software, a component of the Kinetix* stimulation software suite, acquires and displays data from wireline fiber-optic cables such as ACTive* real-time downhole coiled tubing services or other data acquisition systems.

If the well has a permanently installed fiber-optic system, such as the WellWatcher* permanent monitoring systems, the software can use hDVS, or DTS, or both to visualize actively stimulated intervals. The software can also be configured to accommodate data from other downhole and surface data sources.

Based on Google Cloud Platform™ services, the application provides easy access to the data from any device connected to the internet through a standard web browser.

Kinetix RT software is used to monitor perforation activity during two fracturing stages with hDVS from permanent fiber optic installed behind the casing.

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