

DGS System

Slickline Distributed Gradient Sensing (DGS) System

Tendeka's DGS system offers Distributed Temperature Sensing (DTS) in the well intervention environment.

Tendeka has developed the DGS system, an intervention system for distributed temperature sensing coupled with pressure gradient mapping. This can be run as a conventional slickline rig-up with the advantage of real-time data.

Tendeka's Distributed Temperature Sensing (DTS) units offer continuous measurements in real-time along the entire length of your wellbore through industry leading temperature resolution and spatial resolution (0.01°C). The result is clearer event interpretation with high application and installation flexibility.

Options are available to incorporate memory production logging systems with capability to measure pressure, temperature, Casing Collar Locator (CCL) and flow. These can provide valuable back-up well data all on a single deployment.

Coupled with Quest software, the system enables you to create highly visual outputs which can build a valuable graphic illustration on trends within a field development from the data received from each well.

Whether your focus is production surveillance, diagnostic downhole issues or designing production enhancements, with Tendeka you can make intervention and production decisions based on the clearest possible picture of multiphase flow. Get an up-to-the-moment picture of production with real-time visualization.

Using the DGS system we can interpret the real-time data received from the Tendeka DTS unit. A forward plan can then be quickly formulated for remediation of the well with subsequent intervention trips in hole.

Features

- Uses client incumbent wireline vendor with the Tendeka DGS System
- Pressure testable junction box rated to 5000psi used for a simple connection from the DGS cable to the DTS unit
- Rope socket installed for weight bars

Benefits

- Explore past, present and future well scenarios with comprehensive modelling
- Get an up-to-the-moment picture of production with real-time visualization
- Observe downhole events as they happen with live well monitoring
- Suitable for multiple applications:
 - Monitor well performance
 - Well integrity issues (leak detection)
 - Monitor gas lift valves
 - Gas lift optimisation
 - Stimulation/Fracture performance

