

Distributed Fibre Optic Sensing

A new era in well integrity



From **evaluation to remediation**, we can give you a more in-depth insight into your well.

Monitoring oil and gas wells requires state of the art sensing technologies. Fibre optic has become an increasing part of surveillance in the industry, which has been driven by technological enhancements and greater knowledge of what it can do.

Our Distributed Fibre Optic Sensing (DFOS) gives us the capability to monitor your entire well. It enables you to observe dynamic behaviours in the well, giving you a more accurate diagnosis of your well and reservoir issues.

We work to extend your wells' lifespan while **reducing time and costs**.

Key applications

- Leak detection
- Flow/injection monitoring
- Artificial lift assessment
- Behind casing crossflows
- Sand production
- Pre-abandonment surveys
- Slug detection/monitoring
- Clean-up monitoring
- Frac monitoring

Features and benefits

- Fibre is thin, low cost and is resistant to hostile environments
- Well life extension
- Restoration of production
- Monitor dynamic behaviour
- Rapid processing and interpretation
- Enables on-site decision making in house
- Immune to EM effects
- Ideal for HP/HT applications
- Ease of use
- Fast processing
- Gives a clear picture of what is happening and allows you to react instantly



Contact:

wellintervention@exprogroup.com

or visit:

www.exprogroup.com/products-services/well-intervention/well-technology/distributed-fibre-optic-sense

Complete investigative solution using Distributed Fibre Optic Sensing (DFOS) for your wells

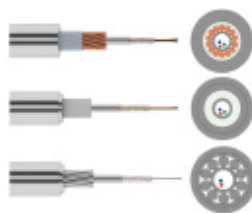
Integrated DFOS intervention, data acquisition and interpretation from a global service company.

Standard slickline

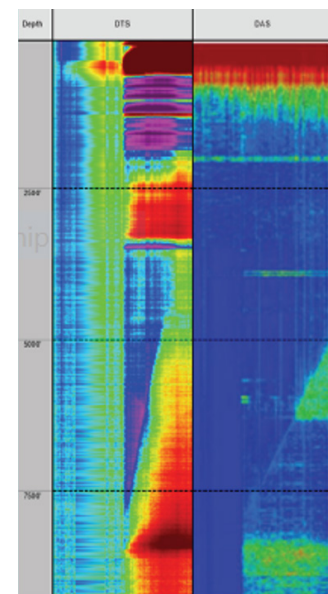
- Same crew - same rig-up
- Single run
- Deeper insights for well performance & integrity issues



Fibre enabled slickline



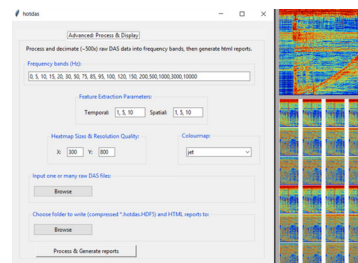
Log the whole wellbore at the same time



Interrogation box



Our unparalleled user-friendly software enables you to intelligently view your well's data



Results integrated with other well information to provide a powerful surveillance capability in one view

Combines with conventional slickline memory logging tools



Reporting within hours allowing operational decision making on-site

