

Fiber Optic Cable Binding Inside the Well

A specially designed fiber-optic cable was successfully installed and cemented behind the production casing, which was subsequently perforated in an oriented manner without damaging the ...

Learn how fiber optic networks are installed in the ground. This article explains common underground installation methods and key decision factors.

Fiber-optic-system installations have reduced the need for intervention by logging tools and have given crucial insights into wellbore integrity and reservoir production.

In Germany's largest geothermal project, a fiber-optical cable was permanently deployed to total depth together with a pressure sensor located 50m above the reservoir.

Installation is similar to installing a messenger wire except it also includes a fiber optic cable that requires careful handling like any other fiber optic cable.

Permanent downhole fiber-optic cables are critical infrastructure in wellbore monitoring systems, ensuring reliable transmission of data for applications such as distributed temperature, acoustic, and ...

The hydraulic fracturing process includes a number of different variables that can be altered to perform a well completion. Conventional methods and systems for monitoring and/or controlling the...

When placing fiber optic cables underground, whether through direct burial or within a protective enclosure, soil type and depth are important factors to take into consideration. Here are some key ...

We used DDSS and DTS (distributed temperature sensing) with a fiber optic cable permanently deployed behind the casing and combined the results with operational data, a model for ...

The oriented tool is ideal for perforating wells completed with deployed external cable behind the casing like a "Fiber Optic" cable and connected to acquisition DAS/DTS surface decoding ...



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