

## Finding Optical Cables in Weak Point Wells



### Overview

High-resolution acoustic imaging technology has been developed and deployed to map the downhole location and orientation of fiber optic lines in unconventional oil and gas and carbon capture wells. Traditional permanent fiber deployments require a wireline mapping run after casing installation to identify the cable's orientation. Halliburton FIBERSIGHT<sup>®</sup> map fiber locating sensors eliminate the cost and. 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 strain sensing (DTS, DAS, and DSS)—all with one 1/4-in control line. Google has not performed a legal analysis and makes no representation as to the accuracy of the status listed. ) Current Assignee (The listed assignees may be inaccurate. The cables marked with Dry; They are a series of cables in which the typical water blocking the intermediate tubes (gelatin, water swelling tape or powder) is replaced with a solid foamed thermoplastic elastomer. Our embedded softwares (on our DAS, DTS, DSS). ss of the application or environment.

## Article Content

### Cable Mapping

Silixa's cable mapping service provides an affordable, low-risk approach to track downhole optical sensing cables' positions to prevent damage during perforation.

### FINDING Definition & Meaning

The meaning of FINDING is the act of one that finds. How to use finding in a sentence.

### FINDING | English meaning

FINDING definition: 1. a piece of information that is discovered during an official examination of a problem.... Learn more.

### What does finding mean?

Definition of finding in the Definitions dictionary. Meaning of finding. What does finding mean? Information and translations of finding in the most comprehensive dictionary definitions resource on ...

### CN110331974A

The novel oilfield that the invention discloses a kind of based on weak optical fiber Bragg grating array is logged well optical cable, including temperature sensing optical fiber,...

### SECURING OIL WELLS USING FIBER OPTICS

A compact and robust cable design capable of being deployed in various conditions including direct buried, strapped, and aerial Aperture design and solid embed-ded fiber to allow for leading strain and ...

### Well Finder

You can find and locate oil and gas wells and other types of related facilities throughout the state. Search by address, latitude/longitude, unique well number (also known as "API"), Public Land Survey ...

A fiber high-precision detection of two-phase medium interface in salt ...

The process of detecting and monitoring the interface of a two-phase medium in salt cavity wells is comprehensive. It can be applied based on the principles of distributed optical fiber ...

### FINDING Definition & Meaning | Dictionary

Finding is the act of researching or analyzing something. If the dog digs up the hamster grave in the backyard, better not to share his finding with the neighbors.

### Finding Definition & Meaning

A statement or document containing an authoritative decision or conclusion. A presidential finding that authorized the covert operation.

#### Progress in Acquiring DAS VSPs in Vertical Exploration Wells

This study documents the significant progress made in this most challenging data acquisition scenario. By monitoring the low-frequency DAS strain as the wireline cable is slackened ...

finding

find /faɪnd/ vb (finds, finding, found /faʊnd/) (mainly tr) to meet with or discover by chance to discover or obtain, esp by search or effort: to find happiness (may take a clause as object) to become aware of; ...

#### FIBERSIGHT® map fiber locating sensors

FIBERSIGHT map sensors are deployed along the wellbore during the casing run to determine and communicate the orientation of a fiber optic cable back to the surface.

#### High-Resolution Acoustic Imaging Deployed for Mapping ...

High-resolution acoustic imaging technology has been developed and deployed to map the downhole location and orientation of fiber optic lines in unconventional oil and gas and carbon ...

#### The High-Temperature Resistant Well Logging Optical Cable

The range of cables for direct buried installation includes all our four basic designs: concentric core, grooved core tape, DryTech and tape in loose tubes. The cables are reinforced with corrugated steel ...

#### Permanent fiber-optic cable

These monitoring systems help improve well productivity by identifying trends throughout the producing life of the well, and they rely on the robust design and long-term survivability of optical cables under ...

#### Borehole seismic survey using multimode optical fibers in a hybrid ...

Distributed acoustic sensing (DAS) is a novel technology that uses an optical fiber cable as a sensor for acoustic signals and can take almost any downhole fiber-optic installation or ...

finding

Noun finding (plural findings) A result of research or an investigation. (law) A formal conclusion by a judge, jury or regulatory agency on issues of fact. That which is found, a find, a ...

#### FINDING

finding definition: thing that is found or discovered. Check meanings, examples, usage tips, pronunciation, domains, and related words. Discover expressions like "fact-finding", "make a finding", ...

FINDING definition and meaning | Collins English Dictionary

Someone's findings are the information they get or the conclusions they come to as the result of an investigation or some research. One of the main findings of the survey was the confusion about the ...

Finding

Something that has been found. 2. a. A conclusion reached after examination or investigation: the finding of a grand jury; a coroner's findings. b. A statement or document containing an authoritative ...

Well monitoring comprehensive turn-key solution | FOWell

It is therefore essential to ensure continuous, real-time monitoring of the well and its environment by deploying a fiber optic cable in the well. The FEBUS T1-R (DTS - Distributed Temperature Sensing) ...

## Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://mastercarpetsandflooring.co.za>

Email: [info@mastercarpetsandflooring.co.za](mailto:info@mastercarpetsandflooring.co.za)

Phone: +27 82 547 3961

Address: 21 Maxwell Drive, Woodmead, Sandton, 2191, South Africa

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