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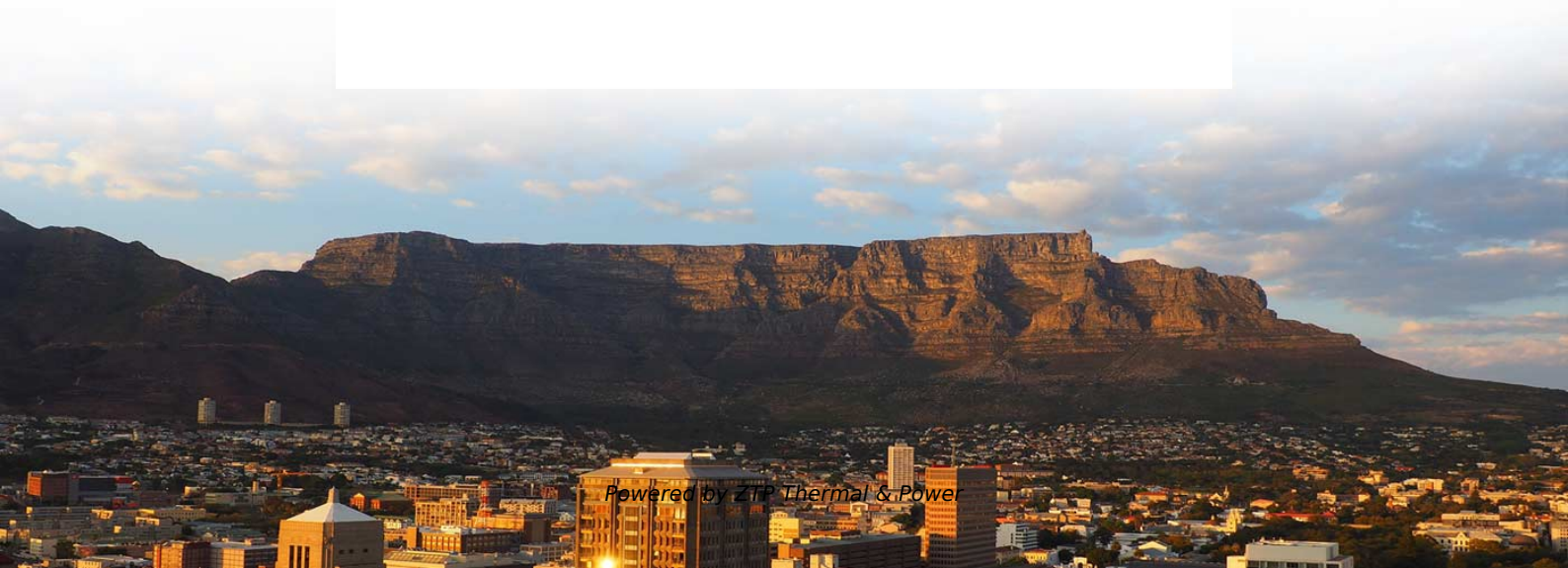
Principle of High-Temperature Well Logging Optical Cable in Tajikistan



Principle of High-Temperature Well Logging Optical Cable in Tajikist

(PDF) Memory high temperature production logging technology and

To solve the temperature resistance problem of instruments, thermal insulation coatings, vacuum flask, and other methods are commonly used for temperature isolation. This article mainly

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Abstract: Fiber optic cables have the advantages of high temperature resistance, high pressure resistance, corrosion resistance, and high accuracy in measuring temperature DTS data. They are

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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

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INTRODUCTION performing well- logging operations in high- temp rature geothermal wells. The total period of the contract is twelve months. The concept; summarized schematically in Figure 1, is based

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Abstract. This study presents the evolution of downhole fiber optics to a new hybrid electro-optical cable for coiled tubing (CT) applications. The optical fibers enable optical

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Plots of temperature and geothermal gradient versus depth as obtained by the different logging devices in two boreholes. DTS data are in red,

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This development has led to a new logging cable with superior mechanical properties, containing eight electrical wires and three optical fibers with a data rate of at least 10 Mbitsl second each. This fiber

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Production logging via coiled tubing fiber optic

However, a number of shale gas wells need to be evaluated in the effects of well drilling and completion and fracturing, providing the guidance for the next fracturing design, so

the production logging via

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First, in view of the slow transmission rate of the logging cable, an advanced high-speed cable transmission module is adopted. Secondly, the ground system and the downhole instrument were

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Sensor cable: Protect fiber from mechanical and chemical influences. Steel tube, with additional jacketing (plastic, steel). May contain several fibers for different sensing techniques. Cable clamps:

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This study presents the evolution of downhole fiber optics to a new hybrid electro-optical cable for coiled tubing (CT) applications. The optical fibers enable optical communication and

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Fiber optic cables have the advantages of high temperature resistance, high pressure resistance, corrosion resistance, and high accuracy in measuring temperature DTS data. They are widely used

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We pioneered accelerated aging tests for optical fibers at high temperatures; the fiber resulting from this research demonstrates an almost 50-fold increase in light transmission, exceptional resistance to

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Considering the temperature resistance of the downhole optical fiber, the coiled tubing does not continue to enter the well. In order to ensure the accuracy of the position of the optical fiber into the well, it is

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Application of Coiled Tubing Distributed Optical Fiber Temperature

The distributed optical fiber temperature sensing (DTS) system is used to collect the

high frequency temperature through the coiled tubing downhole optical fiber.

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Specifically, we highlight the diagnostic power of distributed temperature sensing (DTS) and distributed acoustic sensing (DAS) in two real-world field applications. In each case, traditional tools failed to

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Geophysical Well Logging , Springer Nature Link

Logging cable and tools must be constructed in such a way that can withstand the highest temperatures and pressures encountered in the well. Interpretation of well-log data may commonly require

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