

Anton Fiber Optic Sensing Technology

Fiber optic sensing (distributed fiber monitoring) technology uses the fiber itself as a sensor, no instrument, by measuring backscattered light (similar to radar echo technology), detect the temperature, acoustic and strain data of each zone, thus enabling the monitoring of well production, fracture process, transportation pipeline.

1. Effect

- Accurately gives the production, production, and injection profiles of each well, allowing real-time monitoring of each zone's production
- Allows seamless wellbore integrity monitoring to accurately identify the location of leaks, water and sand production
- The process monitors the number of open perforating clusters, fracture width, and whether the fracture is channeling in real time
- Buy oil and gas pipelines to monitor and promptly report the location of breakage to minimize losses

2. Application

- Low permeability and tight reservoir, fracturing process monitoring, and fracture effect evaluation
- Evaluation of formation suction gas and fluid absorption profile of injection well
- Evaluation of gas and oil production profile of complex and difficult wells

3. Technical advantage

- The optical fiber is a sensor, requiring no instrumentation and providing high security
- According to the static measurement method, the production and fracture monitoring data obtained are more real and reliable, providing you with the most reliable decision basis
- The unique fiber locator ensures that the permanent fiber is not damaged
- According to the fiber optic fracture monitoring system, the startup of fracture cluster, width of fracture and whether to cross layer are displayed in real time, and then the decision is made in time

4. Services Capability

Anton is the most outstanding fiber logging company in China, with a first-class team, which can provide casing permanent fiber , tubing permanent fiber, cable fiber log, coil-tubing fiber logging and other services. Provide on-site real-time data interpretation, post-fine processing interpretation services. At present, the company has completed more than 160 Wells worldwide, serving customers in China include: CNPC Southwest Shale gas & tight gas, Sichuan shale gas, Chongqing shale gas, Changqing Oilfield, gas storage, etc. Anton provides you with customized fiber logging equipment and technical service solutions.

