

Illuminator

Distributed Fiber Optic Sensing (DFO)

With Archer's Illuminator suite of DFO services, understand the dynamics of your well like never before. The 2D monitoring enables clear relation of causes to effects for a fully correlated diagnostic impossible with point sensor. Our real time remote viewing service enables valuable QC and preliminary on the job interpretation.

Benefits

- All the well, all the time unlike point sensor
- Capture intermittent and short lived events
- 2D Dynamic well behaviour

Features

- DAS including LFDAS, DTS
- Memory P,T gauge BHA
- Multiple conveyance options
- SRO on FO enabled Wireline
- Real Time Processing & Visualization

Typical Applications

- Well integrity, leak detection, sustained casing pressure
- Pre-P&A integrity diagnostics
- Injection profiling
- Stimulation efficiency (Acid, squeeze, diversion...)
- Gas lift diagnostics
- Water Shut-off
- In-well and behind pipe crossflow

Specifications

Wireline OD	0.356 inch, 9 mm	
Length	28000 ft, 8500 m	6000 m cable available
Working strength	2980 kg, 6550 lbf	
P	10,000 psi, 680 bar	Eg PCE rating
T	150 °C, 302 °F	
BHA OD	Tool dependent	Default = P, T gauge
Fibers	1MM, 2SM	
Fibers	Yes	