

Carbon Rod Illuminator

Tractor enabled Distributed Fiber Optic Sensing (DFO) for Unconventional Wells

Archer's tractor enabled electrical Carbon Rod delivers a deeper reach with the confidence to safely pull out of the well. With Illuminator DFO monitoring, understand your completion and flow efficiency, and stimulation uniformity, at cluster level. Assess your wells interference to get a clear insight into your pad drainage.

Benefits

- Safe extra-long reach thanks to ultra-high tensile strength and low friction
- All the well, all the time unlike point sensor
- Does not choke the well for representative flow

Features

- Tractor enabled carbon rod
- DAS including LFDAS, DTS
- Memory P,T gauge BHA
- Combinable with memory logging tools
- Real Time Processing & Visualization QC
- 2D dynamic well behaviour

Typical Applications

- Completion efficiency
- Cluster level stimulation uniformity
- Cased Hole & Open Hole flow allocation
- Injection profiling
- Well interference
- Multilateral cross-communication
- Leak detection

Specifications

Rod OD	0.59 inch, 15 mm	
Proven reach	23500 ft, 7160 m	
Tensile strength	10 t, 22,00 lbs	
P	10,000 psi, 680 bar	Eg PCE rating
T	135 °C, 275 °F	
CO ₂ , H ₂ S, acid	Resistant	
BHA OD	2.5 inch, 63.5 mm.	0.8in without P,T
Fibers	2MM, 2SM	