ComTrac®

Carbon composite rod rigless intervention system

State of the art composite materials empower the ComTrac semi-stiff rod to reach further than conventional technologies while conveying maximum payload for effective interventions. Highly deviated, deep and extreme extended reach wells become accessible for rigless interventions when traditional coil or wireline methods come up short.

Carbon Composite Rod

Cutting edge design and manufacturing produce a continuous rod of 12mm (0.47") diameter containing an embedded coaxial conducting cable. Smooth surface finish both reduces friction and simplifies pressure control, with no grease injection required. Carbon construction gives the rod twice the strength of a similarly sized wireline cable at one third of the weight.

ComTrac System

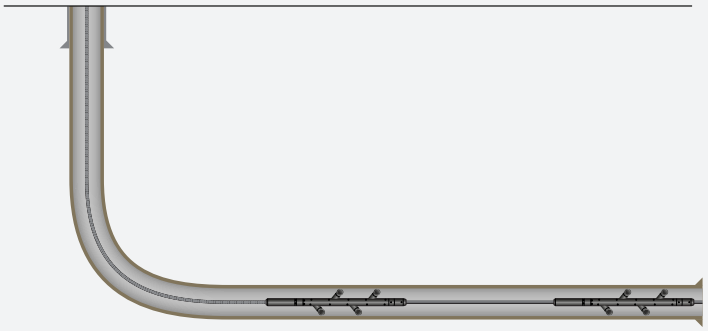
The small and lightweight injector head provides a maximum continuous load of up to 5,000kg (11,000lbs), while the electric drive system allows precise control of the rod movement. Pressure control is by means of a side-door stripper and a standard wireline valve fitted with slip, multi-line and shear rams. Heavy duty intervention, including jarring, and precision logging can be performed by the same unit in a single rig-up.

- Modular - flexible rig-up
- Precision electronic control system
- No tension from drum to injector. No need for line of sight
- Rod protected by bend-restrictor

Archer

ComTrac® Carbon composite rod rigless intervention system

Horizontal extended reach
In wells with long horizontal sections maximum intervention depth can be limited by the strength, weight and friction of conventional cables, even where it is possible to tractor to TD. ComTrac allows intervention with the confidence that the toolstring can be safely retrieved, where wireline safe working load is exceeded for much of the well.



Typical applications

- For land and offshore opreations
- Extreme extended reach wells: MD/TVD > 5, TD > 12,375m
- Long horizontal sections with tortuous well paths
- MRC wells with extreme azimuth adjustments in well path
- Large perforation scopes: >100m underbalanced perforated intervals
- Heavy mechanical interventions
- High-rate production logging and injection profiling

Features

- Slick rod: Reduced friction drag
- Composite material: stronger and lighter
- Non-abrasive: Eliminate line wear in completions
- Precise, digital drive system: Exceptional data quality, confidence in depth control
- Real-time data: immediate indication of downhole anomalies

Benefits

- Furthest reach in extended reach and MRC wells
- Complex trajectories easily navigated
- Flexible rig-up: No high- tension lines, no line-of-sight requirements
- Precision logging and mechanical intervention
- Risk minimisation during underbalance perforations
- Eliminate tool lift hazards for high flowrate PLT evaluation

Specifications

Lower friction	Typically less than half of braided cable
Sour service	H2S and CO2 resistant (NORSOK M710)
Rod weight	230g/m in air, 110g/m in water
Stretch coefficient	0.42m/Km/5KN
Breaking strength	>15,000Kg
Maximum continuous load	5,000Kg
Electrical	1,500VDC – 9A
Temperature	150C
Max pressure	10,000psi

Specifications may be subject to change.

Archer is a company providing drilling and well services to the global energy industry. Our heritage stretches back over 50 years and we are 5,000 employees globally. Archer operates in over 40 countries, providing sustainable high-quality services and innovative technology to optimize our customer's energy solutions. **We are Archer.**

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