

Production Logging = PLT

Collective term for [Cased-Hole Logging](#) operations in [producing wells](#) with a purpose to assess [Borehole Flow Profile \(BFP\)](#) and/or [Reservoir Flow Profiling \(RFP\)](#):

Borehole Flow Profile (BFP)		Reservoir Flow Profiling (RFP)	
Borehole Production Profile	Borehole Injection Profile	Reservoir Production Profile	Reservoir Injection Profile

[PLT](#) is essential part of the production and recovery monitoring and helps understand fluid communication at [Well-Reservoir Contact](#).

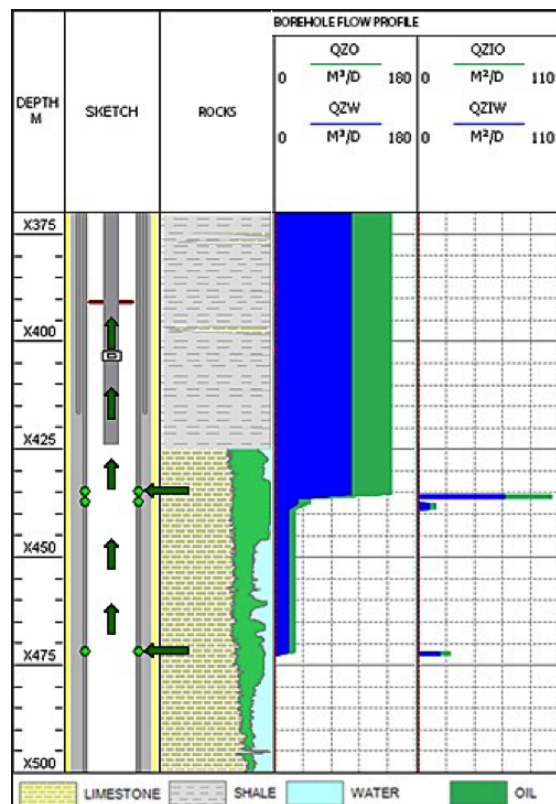
For [PLT](#) in [injection well](#) see [ILT](#), although it is often called [PLT](#) anyway.

The survey is performed with a multi-sensor downhole [PLT Logging Tool](#) and interpreted with [PLT-BFP Model](#) or [PLT-RFP Model](#).

Objectives

Picking up the fluid inflow intervals and phase characterization
Estimating flowrate of each phase component across each inflow interval
Check up for cross-flows in shut-in conditions between formation units with different formation pressure
Picking up the zones of the first barrier (tubing and/or casing) integrity failure

Conclusions	



Both perforations are producing oil and water with upper interval producing more than lower.

The lower inflow zone is mostly producing water.

Fig.1.1. PLT in oil producer with oil and water production.

See [ILT](#) for example in [injecting well](#).

See Also

[Petroleum Industry](#) / [Upstream](#) / [Data Acquisition](#) / [Well & Reservoir Surveillance](#) / [Well logging](#) / [Cased-Hole Logging](#)

[[Well & Log Analysis](#)] [[Borehole Flow Profile \(BFP\)](#)] [[Reservoir Flow Profiling \(RFP\)](#)] [[Temperature Logging](#)] [[Noise Logging](#)]

[[PLT – Downhole Tools](#)] [[PLT – Logging Procedure](#)] [[PLT – Interpretation](#)] [[PLT – Samples](#)]

[[Injection Logging \(ILT\)](#)]

References

[Richard Bateman, Cased Hole Log Analysis and Reservoir Performance Monitoring, 2015](#)