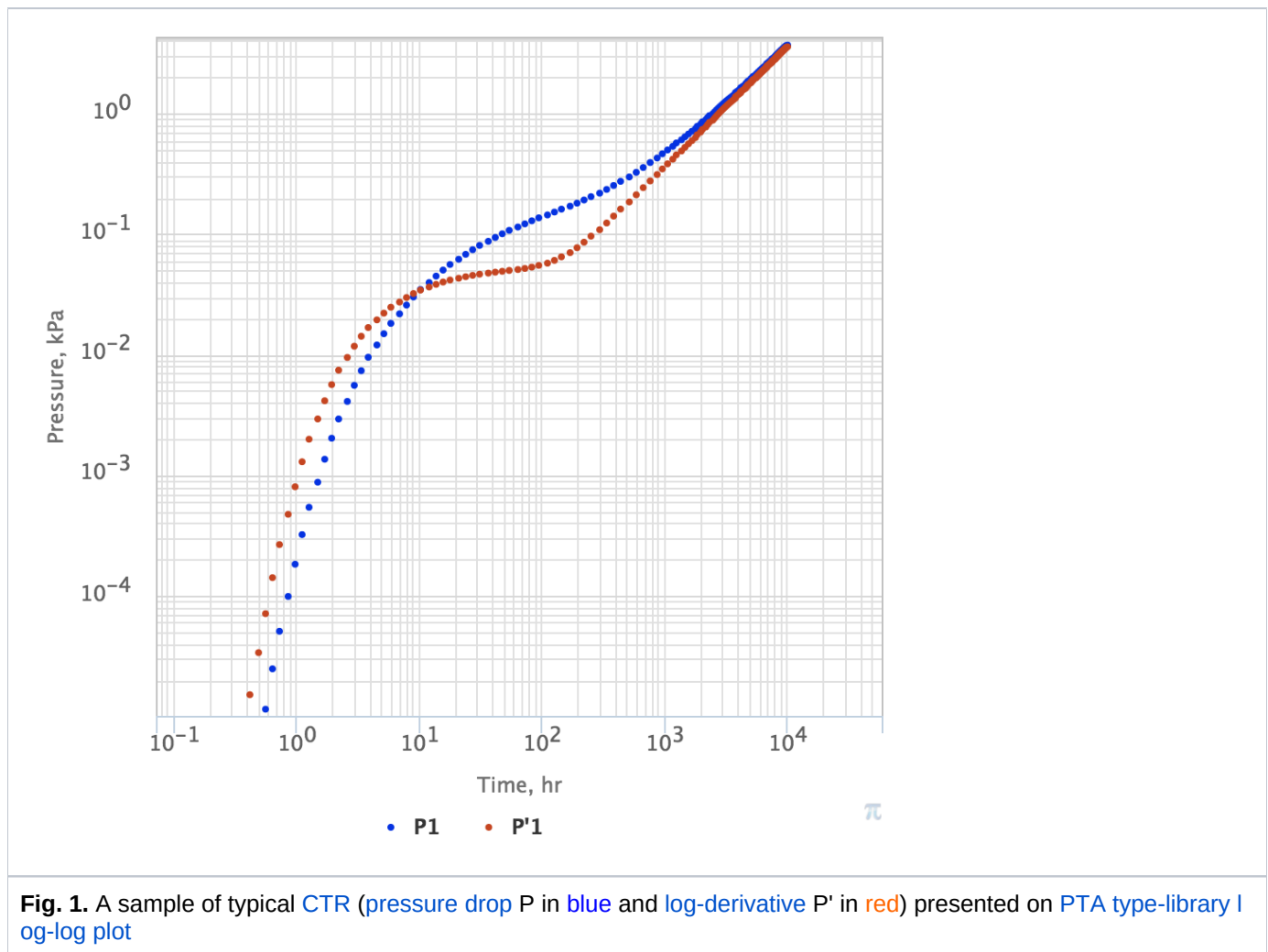


# Cross-well Transient Response = CTR

A [cross-well](#) type of [Unit-rate Transient Response \(UTR\)](#): Sandface pressure response drop in well "m" to unit-rate ( $q_k = 1$ ) production from the well "k":

$$(1) \quad p_{u,mk}(t) = p_{wf,m}(0) - p_{wf,mk}(t)|_{q_m=1} > 0, \quad p_{u,mk}(0) = 0$$

It's a virtual analogue of a [unit-rate step-response pressure interference test](#) to the shut-in well "k" from the constant unit-rate production  $q_m = 1$  from the well "m"



## See Also

[Petroleum Industry](#) / [Upstream](#) / [Subsurface E&P Disciplines](#) / [Well Testing](#) / [Pressure Testing](#) / [Unit-rate transient response \(UTR\)](#)

[ [Drawdown Transient Response \(DTR\)](#) ]