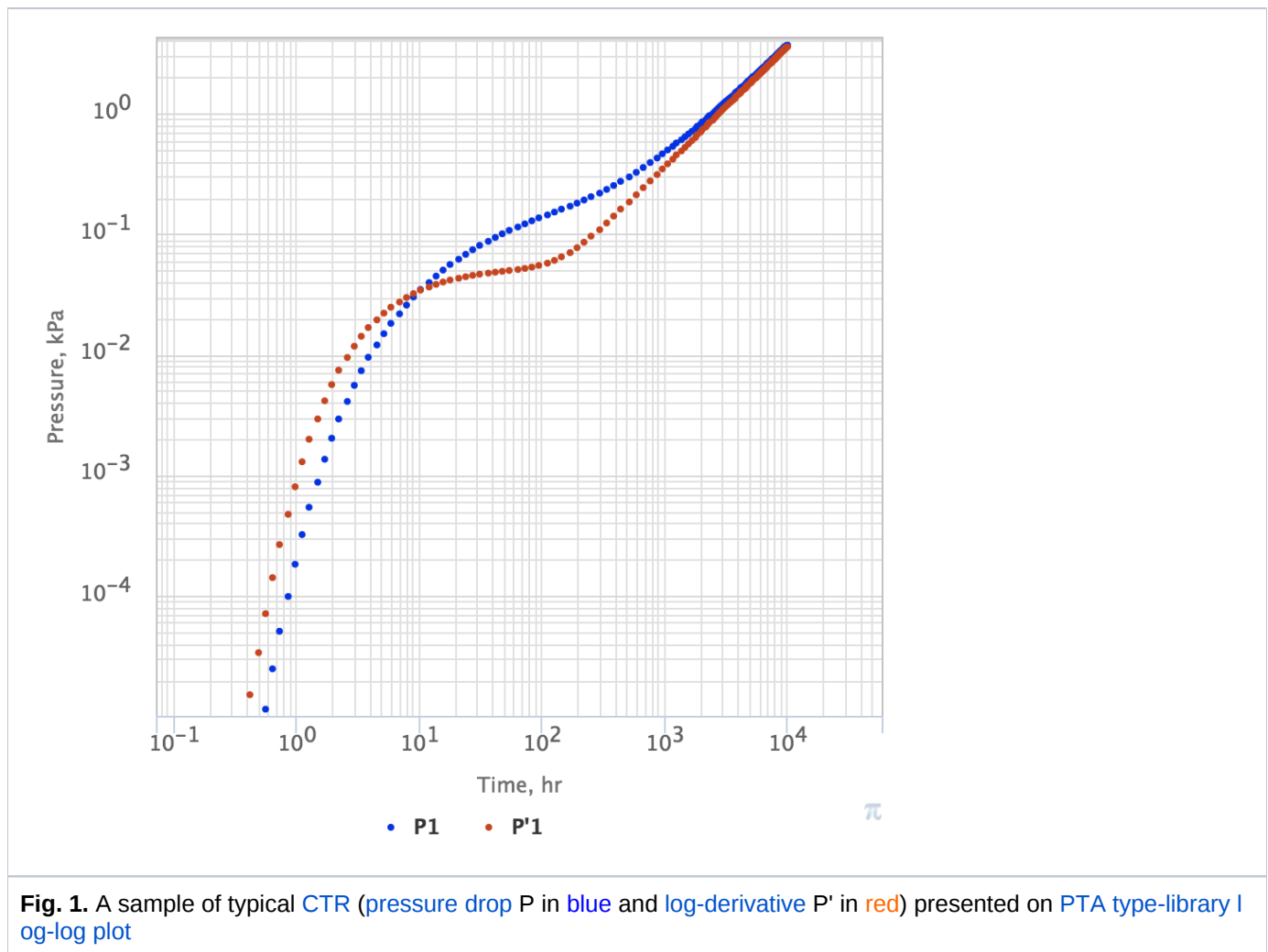


Cross-well Transient Response = CTR

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)]