

Drawdown Transient Response = DTR

(also called [unit-rate self-response](#))

In [single-well deconvolution](#):

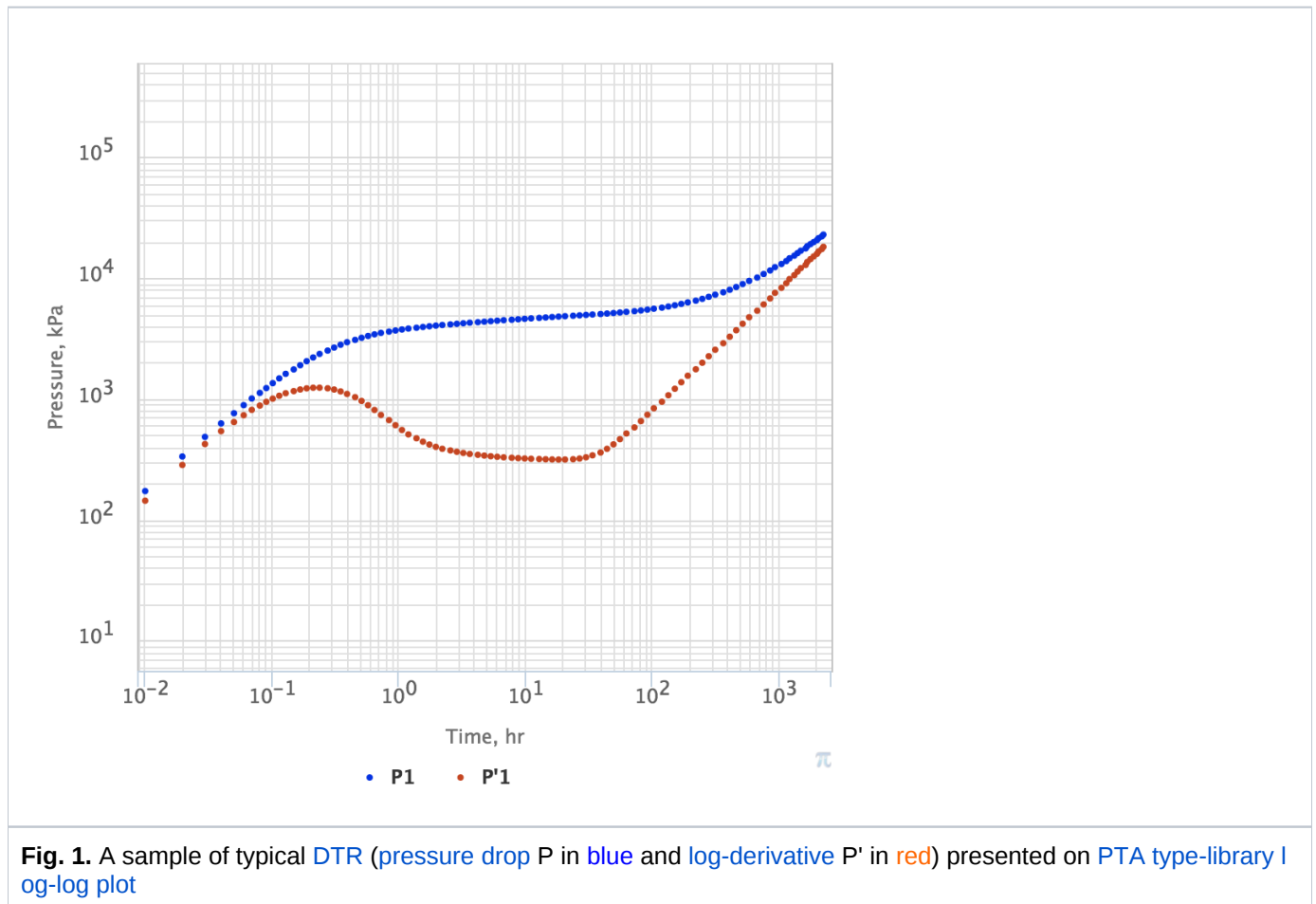
[Sandface pressure response drop](#) to the constant unit-rate production $q(t) = 1$:

$$(1) \quad p_u(t) = p_{wf}(0) - p_{wf}(t)|_{q=1} > 0, \quad p_u(0) = 0$$

In [multi-well deconvolution](#):

[Sandface pressure response drop](#) in well "m" to the constant unit-rate production $q_m = 1$ from the same well "m":

$$(2) \quad p_{u,mm}(t) = p_{wf,mm}(0) - p_{wf,mm}(t)|_{q_m=1} > 0, \quad p_{u,mk}(0) = 0$$



See Also

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

[[Cross-well Transient Response \(CTR\)](#)]