

Dynamic reservoir properties

A full set of [subsurface reservoir](#) properties defining the [reservoir flow](#) dynamics.

There is a popular trend to divide all [reservoir properties](#) into two sets: [Primary reservoir properties](#) and [Compound reservoir properties](#).

Primary reservoir properties

Effective thickness	Effective Porosity	Rock compressibility	Absolute Permeability	Relative Permeabilities	Reservoir fluid saturation
h_e	ϕ_e	c_r	k_a	$k_r(s)$	$\{s_o, s_g, s_w\}$

Compound reservoir properties

Transmissibility	Pressure diffusivity	Mobility	Total compressibility
$\sigma(s)$	$\chi(s)$	$M(s)$	$c_t(s) = c_r + c(s)$

See Also

[Petroleum Industry / Upstream / Subsurface E&P Disciplines / Field Study & Modelling](#)

[[Complex reservoir properties](#)] [[Primary reservoir properties](#)]

[[Basic diffusion model parameters](#)]