

Porosity

[@wikipedia](#)

By default, it usually means [effective porosity](#) which measures the true void containing the [hydrodynamically connected fluids](#) (also called [free fluids](#)) within each [pore](#) element.

The other meanings are:

Total porosity (PHI)	Neutron porosity (NPHI)	Density porosity (DPHI)	Sonic porosity (SPHI)
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All the above provide the various assessment of the porosity development with account for [logging tool](#) specifics.

See also

[Petroleum Industry](#) / [Upstream](#) / [Subsurface E&P Disciplines](#) / [Petrophysics \(PP\)](#) / [Volumetric Rock Model](#)

[[Basic reservoir properties](#)] [[Pore volume](#)] [[Open pore volume](#)] [[Closed pore volume](#)] [[Porosity](#)] [[Open porosity](#)] [[Closed porosity](#)] [[Effective porosity \(PHIE\)](#)]