Pore volume

@wikipedia

Part of the bulk rock volume V_r containing the hydrodynamically connected fluids (also called free fluids) within each pore element:

(1) $$V_\phi = V_r - V_m$$

where

V_m	solid rock matrix volume

Although the fluid inside the pore is movable but some pores maybe isolated from each other and do not contribute to rock permeability.

This splits the pore volume V_ϕ into two components: connected pore volume V_{con} and closed pore volume V_{cls}:

$$V_\phi = V_{\text{con}} + V_{\text{cls}}$$

See also

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

[Basic reservoir properties] [Pore volume] [Connected pore volume] [Closed pore volume] [Porosity] [Connected porosity] [Closed porosity]