

Reservoir Storage

The ability of **reservoir** to accumulate pressure throughout the **pore volume**:

$$(1) \quad \gamma = c_t \cdot V_\phi = c_t \cdot \phi \cdot V_r = \beta \cdot V_r$$

where

| | |
|----------|-----------------------|
| c_t | total compressibility |
| V_ϕ | pore volume |
| V_r | bulk rock volume |
| ϕ | effective porosity |
| β | reservoir storativity |

See also

[Physics](#) / [Fluid Dynamics](#) / [Percolation](#)

[Petroleum Industry](#) / [Upstream](#) / [Subsurface E&P Disciplines](#) / [Reservoir Flow Simulation](#)

[[Field Study & Modelling](#)] [[Complex reservoir properties](#)] [[Basic diffusion model parameters](#)]