Water-oil relative permeability (krwo)

Relative permeability to water percolation while sweeping by oil and no presence of free reservoir gas:

(1) $$k_{rwo}(s_w) = \frac{k_w(s_w)}{k_a}$$

where

$k_w(s)$	water permeability in 2-phase Oil + Water reservoir
k_a	absolute permeability
$\{s_o, s_w\}$	oil and water reservoir saturation: $s_o + s_w = 1$

See also

Physics / Fluid Dynamics / Percolation

Petroleum Industry / Upstream / Subsurface E&P Disciplines / Field Study & Modelling

[Petrophysics] [Basic reservoir properties] [Wettability] [Permeability] [Absolute permeability] [Relative permeability] [Water permeability] [Water relative permeability]