w water viscosity Brill & Beggs correlation @model

(1) $\mu_w(T,p) = exp(1.003 - 1.479E-2 * T + 1E-5 * T^2)$

where

μ_w	Dynamic viscosity, cp at temperature T and pressure p
μ_{w1}	Dynamic viscosity, cp at temperature T and atmospheric pressure $p = 1\,\text{atm}$
T	Temperature, °F
p	Pressure, psi
S	Water salinity

See Also

Petroleum Industry / Upstream / Petroleum Engineering / Subsurface E&P Disciplines / Reservoir Engineering (RE) / PVT correlations / PVT Water correlations / Water viscosity correlations