

Beggs-Robinson (1975) saturated oil viscosity o @model

Saturated oil viscosity	o	cp	p p b	$\mu_{ob}(R_s) = A \cdot (\mu_{od})^B$, $A = c_1 \cdot (R_s + c_2)^{c_3}$, $B = c_4 \cdot (R_s + c_5)^{c_6}$ $c_1 = 10.715$, $c_2 = 100$, $c_3 = -0.515$, $c_4 = 5.44$, $c_5 = 150$, $c_6 = -0.338$
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where

μ_{od}	cp	Dead oil viscosity
R_s	scf/stb	Solution Gas Oil Ratio

See Also

[Petroleum Industry / Upstream / Petroleum Engineering / Subsurface E&P Disciplines / Reservoir Engineering \(RE\) / PVT correlations / Oil correlations](#)

[[Beggs-Robinson \(1975\) oil viscosity correlations](#)]

References

Beggs, H.D., and J.R. Robinson. "Estimating the Viscosity of Crude Oil Systems." J Pet Technol 27 (1975): 1140–1141. doi: <https://doi.org/10.2118/5434-PA>