

Petrosky–Farshad (1995) saturated oil viscosity o @model

Saturated oil viscosity	o	cp	p p _b	$\mu_{ob}(R_s) = A \cdot (\mu_{od})^B$, $A = c_1 + c_2 \cdot 10^{c_3 \cdot R_s}$, $B = c_4 + c_5 \cdot 10^{c_6 \cdot R_s}$ $c_1 = 0.1651$, $c_2 = 0.6165$, $c_3 = -6.0866 \cdot 10^{-4}$, $c_4 = 0.5131$ $c_5 = 0.5109$, $c_6 = -1.1831 \cdot 10^{-3}$
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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](#)

[[Petrosky-Farshad \(1993 – 1995\) oil correlations](#)]

References

Petrosky, G.E., and F.F. Farshad. "Viscosity Correlations for Gulf of Mexico Crude Oils." Paper presented at the SPE Production Operations Symposium, Oklahoma City, Oklahoma, April 1995. doi: <https://doi.org/10.2118/29468-MS>