

Marhoun (1988) bubble point pressure Pb @model

Bubble point pressure	p b	psia	$p_b = c_1 R_s^{c_2} \gamma_g^{c_3} \gamma_o^{c_4} T^{c_5}$ $c_1 = 5.38088 \cdot 10^{-3}, c_2 = 0.715082, c_3 = -1.877840, c_4 = 3.1437, c_5 = 1.32657$
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where

p	psia	Fluid pressure
T	°F	Initial formation temperature
γ_{API}	°API	Oil API gravity
γ_o	frac	Oil specific gravity
γ_g	frac	Gas specific gravity

See Also

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

[[Marhoun \(1980\) oil correlations](#)]

References

Al-Marhoun, Muhammad Ali. "PVT Correlations for Middle East Crude Oils." J Pet Technol 40 (1988): 650–666. doi: <https://doi.org/10.2118/13718-PA>