Cumulative Water-Oil Ratio = WOR

Ratio of cumulative water production $Q_W^{\uparrow}$ to cumulative oil production $Q_O^{\uparrow}$:

(1) $$\Sigma\text{WOR} = \frac{Q_W^{\uparrow}}{Q_O^{\uparrow}}$$

It relates to Cumulative watercut (Y_W) as:

(2) $$\Sigma\text{WOR} = \frac{\Sigma Y_W}{1 - \Sigma Y_W}$$

See Also

Petroleum Industry / Upstream / Subsurface E&P Disciplines / Well Testing (WT) / Flowrate Testing / Flowrate

[Water cut (Y_W)]