

Water Oil Balance Ratio = WOBR

Ratio of Water Replenishment (WR) to the remaining oil reserves (OR):

$$\text{WOBR} = \frac{\text{WR}}{\text{OR}} = \frac{\Omega_w^\downarrow \cdot Q_w^\downarrow - \Omega_w^\uparrow \cdot Q_w^\uparrow}{\text{EUOR} - Q_o^\uparrow}$$

where

EUOR	Estimated Ultimate Oil Recovery	Q_o^\uparrow	Cumulative oil production
Q_w^\uparrow	Cumulative water production	Ω_w^\uparrow	Good water production share
Q_w^\downarrow	Cumulative water injection	Ω_w^\downarrow	Good water injection share

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