

Water sandface flowrate = q_w

Produced or injected flowrate of water across the well-reservoir contact with the volumes measured at the sandface temperature and pressure conditions.

For MBO fluid @model the total sandface flowrate q_w is related to surface flowrates of water q_W as (see derivation):

$$(1) \quad q_w = B_w q_W$$

where

B_w formation volume factors between separator and sandface pressure/temperature conditions

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