

Field-average BHP <Pwf>

$$(1) \quad p_{fw} = \sum_{k=1}^N w_k \cdot p_{rk}, \quad w_k = \frac{q_k}{\sum q_k}, \quad \sum w_k = 1$$

where $k = 1..N$ is running through wells with BHP tests p_{rk} and rates q_k