

Production/Injection Adjustments Coefficients

The historical [Production rate](#) / [Injection rate](#) from/to the target pay maybe not accurate both due to metrological inaccuracy and thief water production/injection.

The ratio between the adjusted and historical [Production rate](#) / [Injection rates](#) called [Production/Injection Adjustments Coefficients](#):

$\alpha_O^\uparrow = \frac{q_{O, \text{adj}}^\uparrow}{q_{O, \text{hist}}^\uparrow}$	Oil production rate adjustment coefficient
$\alpha_G^\uparrow = \frac{q_{G, \text{adj}}^\uparrow}{q_{G, \text{hist}}^\uparrow}$	Gas production rate adjustment coefficient
$\alpha_W^\uparrow = \frac{q_{W, \text{adj}}^\uparrow}{q_{W, \text{hist}}^\uparrow}$	Water production rate adjustment coefficient
$\alpha_G^\downarrow = \frac{q_{G, \text{adj}}^\downarrow}{q_{G, \text{hist}}^\downarrow}$	Gas injection rate adjustment coefficient
$\alpha_W^\downarrow = \frac{q_{W, \text{adj}}^\downarrow}{q_{W, \text{hist}}^\downarrow}$	Water injection rate adjustment coefficient

See Also

[Petroleum Industry](#) / [Upstream](#) / [Subsurface E&P Disciplines](#) / [Well Testing \(WT\)](#) / [Flowrate Testing](#) / [Flowrate](#) /

[[Production rate](#)][[Injection rate](#)]