

# Cumulative water injection

Cumulative [injection](#) of [water](#) from the beginning of [injection](#)  $t_0$  until current moment of time  $t$  :

(1) 
$$Q_{WI}^{\downarrow}(t) = \int_{t_0}^t q_{WI}^{\downarrow}(\tau) d\tau$$

where

|                             |                                                            |
|-----------------------------|------------------------------------------------------------|
| $q_{WI}^{\downarrow}(\tau)$ | <a href="#">water injection rate</a> at time moment $\tau$ |
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## See Also

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

[ [Well & Reservoir Surveillance](#) ]

[ [Surface flowrates](#) ] [ [Oil surface flowrate](#) ] [ [Gas surface flowrate](#) ] [ [Water surface flowrate](#) ] [ [Liquid production rate](#) ]