

# Injectivity Index (PI or J)

Productivity Index for injection wells:

$$(1) \quad J^{\downarrow} = \frac{q^{\downarrow}}{p_{wf} - p_e}$$

where

$q^{\downarrow}$	injection rate (the specification of which may differ, see below)
$p_e$	formation pressure
$p_{wf}$	bottom hole pressure at sandface under injection

The definition of injection rate  $q^{\downarrow}$  and formation pressure  $p_e$  may vary depending on application.

## See Also

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[Petroleum Industry / Upstream / Production / Subsurface Production / Well & Reservoir Management](#)

[Subsurface E&P Disciplines / Production Technology](#)

[ [Productivity Index](#) ]