

Injectivity Index (PI or J)

Productivity Index for injection wells:

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

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

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