

Specific Productivity Index (PI or J)

Productivity index index per unit of working reservoir thickness:

(1)
$$j = \frac{J}{h} = \frac{q/h}{|p_e - p_{wf}|}$$

where

<i>J</i>	Productivity Index
<i>q</i>	Flowrate (the specification of which may differ, see below)
<i>h</i>	Effective reservoir thickness
<i>p_e</i>	Formation pressure
<i>p_{wf}</i>	Bottom hole pressure at sandface

The definition of flowrate *q* and formation pressure *p_e* may vary depending on application of productivity index.

See also

Productivity Index