

Production Targets

The scheduled [production rate](#) and [injection rate](#).

In [Field Development Planning \(FDP\)](#) the [FDP Production Targets](#) set the schedule for full-field [production rate](#) and [injection rate](#).

In [Well & Reservoir Management \(WRM\)](#) the [WRM Production Targets](#) set the schedule for the individual [Production Well Targets](#) and [Injection Well Targets](#), in order to achieve the [FDP Production Targets](#).

The production rates may be set directly via pump settings or calculated based on [THP](#) and [formation pressure](#) p_e (which is a usual case in [injection wells](#)):

$$\begin{aligned} (1) \quad & q^\uparrow = J \cdot (p_e - p_{wf}) \\ (2) \quad & q_{WI}^\downarrow = J_{WI} \cdot (p_{wf} - p_e) \\ (3) \quad & q_{GI}^\downarrow = J_{GI} \cdot (p_{wf} - p_e) \end{aligned}$$

Producing wells may spontaneously vary between [Constant rate production: \$q_L = \text{const}\$](#) and [Constant pressure production: \$p_{wf} = \text{const}\$](#) (see [Constant rate production: \$q_L = \text{const}\$](#) for alternation details).

There are different methods to calculate optimal [Production Targets](#) (see [Production Targets Optimisation @model](#)).

See Also

[Petroleum Industry / Upstream / Production / Field Development Plan](#)

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

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

[[Constant rate production: \$q_L = \text{const}\$](#)] [[Constant pressure production: \$p_{wf} = \text{const}\$](#)]

[[Production Targets Optimisation @model](#)]