Oil Control (Reservoir Flow Modelling)

Specification of DFM dynamic inputs and outputs at well level:

Dynamic Input	Dynamic Output
• Oil rate	• BHP • Formation pressure • Water cut • GOR

The Oil Control is a misnomer as it does not correspond to any physical Lift Mechanism and in fact represents a mathematical technique to adjust simulated bottomhole pressure history to match historical oil production in each well.

It is not encouraged for practical applications.

Most reasonable use of Oil Control is to perform primary model runs to calibrate reservoir volume and oil-in-place.

Once completed the history matching should be continued in Liquid Control or Pressure Control mode to replicate the actual Well Control.

See also

Petroleum Industry / Upstream / Subsurface E&P Disciplines / Dynamic Flow Modelling / Reservoir Flow Modelling / Well Control (Reservoir Flow Modelling)

[Well Control]