

Dynamic Reservoir Model = DM

[@wikipedia](#)

Synonym: [Reservoir Flow Model \(RFM\)](#) = [Dynamic Reservoir Model \(DM\)](#)

Mathematical model simulating [reservoir flow \(pressure and saturation\)](#) and [well deliverability](#).

The simplest [Reservoir Flow Model](#) is provided by [Buckley–Leverett @model](#) which simulates the ideally balanced water + dead oil 1D waterflood process without gravity and capillary effects.

Despite its simplicity it captures the key properties of waterflood process and widely used in laboratory test interpretation and production analysis.

See Also

[Petroleum Industry](#) / [Upstream](#) / [Subsurface E&P Disciplines](#) / [Dynamic Flow Model](#)

[[Field Study & Modelling](#)] [[Basic reservoir properties](#)] [[Complex reservoir properties](#)]

[[Buckley–Leverett @model](#)] [[Modified Black Oil Reservoir Flow @model](#)]