

Physical Production Data Analysis

Specific type of [Production Analysis \(PA\)](#) based on physical correlation between [dynamic data](#) with account for the physics of underlying processes.

The most general form of physical Production Data Analysis is [Rates](#) vs [p_e](#) & [BHP](#) and the other methods are derived from above by assuming specific view of [p_e](#) & [BHP](#).

Flowrate Models

Rates vs Time & Cumulatives	Rates vs p_e	Rates vs BHP	Rates vs p_e & BHP
Decline Curve Analysis (DCA)	Material Balance Analysis (MBA)	Flowing Material Balance Analysis (FMB)	Well Flow Performance (WFM)
	VRR Diagnostics	Multi-well Retrospective Testing (MRT)	PSS Diagnostics
		Capacitance-Resistivity Model (CRM)	SS Diagnostics
		Rate Transient Analysis (RTA)	
		Formation Pressure Mapping	
		Production Allocation	

See also

[Petroleum Industry](#) / [Upstream](#) / [Production](#) / [Subsurface Production](#) / [Field Study & Modelling](#) / [Production Analysis \(PA\)](#) / [Physical Production Data Analysis](#)

[[Primary production analysis \(PRIME\)](#)]

[Natural Science](#) / [System](#) / [Dynamic Data](#)