

Well & Reservoir Management = WRM

A set of [Subsurface Production Operational](#) activities towards execution of [Field Development Plan](#).

The key instrument of [WRM](#) is [Nodal Analysis](#) which leads to a proper selection of [WRM Activities](#).

The [WRM Activities](#) are usually classified by the purpose:

Operational HSE	Production acceleration			Production Cost	Sweep efficiency				Displ eff
	Infill drilling	Production targets	Completion \\ Lift designing & maintaining integrity	Completion \\ Lift designing & maintaining integrity	Increasing well- reservoir contact (Drilling)		Optimising well- reservoir contact (Conformance control)		
					Infill drilling	Side- tracks	Flow Stimulat ion	Flow Shut- off	

The [WRM Activities](#) are facilitated by following execution mechanisms:

Subsurface			Surface	
Drilling & Completion	Workovers	Wireline	Production / Injection Rate Optimisation	EOR facilities and procedures

Prioritizing of [WRM Activities](#) is based on technical feasibility and economics, provided by [WRM Activity Value @model](#).

This particularly leads to the following major asset challenges:

1	Where to drill the new well or side-track and how to completion it ?
2	Which wells to workover and how ?
3	Which wells to change the flow rate and whether increase or decrease ?
4	What fluid and at what time to inject ?
5	Is there a bottleneck in surface infrastructure and whether it needs update ?

The answers to these questions are provided by playing the various scenarios over the calibrated [full-field flow model](#).

See Also

[Petroleum Industry](#) / [Upstream](#) / [Production](#) / [Subsurface Production](#)

[[Nodal Analysis](#)][[Field Development Planning](#)]

[[WRM Activities](#)][[WRM Activity Value @model](#)]