

Watercut Diagnostics

Synonym: [Watercut Diagnostics](#) = [WOR Diagnostics](#)

Part of [Production Analysis](#) related to analyzing the [production watercut](#) dynamics and the possible reasons of its specific behaviour:

regular displacement, bottom-water encroachment, coning, thief water production via channeling or tubing /casing failure.

	Time-based	Saturation-based	Recovery-based	Cum water-based	Rate-based	Injection-based
Saturation		Watercut Fractional Flow plot				
Recovery			WOR vs Recovery plot			WOR vs WOBR
Bad Water	Chan water plot	Watercut Fractional Flow plot		WW plot + Y Y plot	qOW plot + WOIL plot + YLIQ plot	WOR vs NWR
Non-uniform Sweep		Watercut Fractional Flow plot		WW plot + Y Y plot	qOW plot + WOIL plot + YLIQ plot	
Waterflood pattern				WW plot + Y Y plot		

See Also

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

[[Good Water](#)] [[Bad Water](#)] [[Water cut \(Yw\)](#)] [[WOR](#)]

[[Watercut \(Yw\) Fractional Flow @model](#)] [[Watercut Chan plot](#)]

[[Waterflood Diagnostics](#)] [[WOR vs WOBR @model](#)] [[WOR vs NWR @model](#)]