

Watercut Fractional Flow plot

Plotting instantaneous watercut Y_w vs formation water saturation s_w alongside with Watercut Fractional Flow @model:

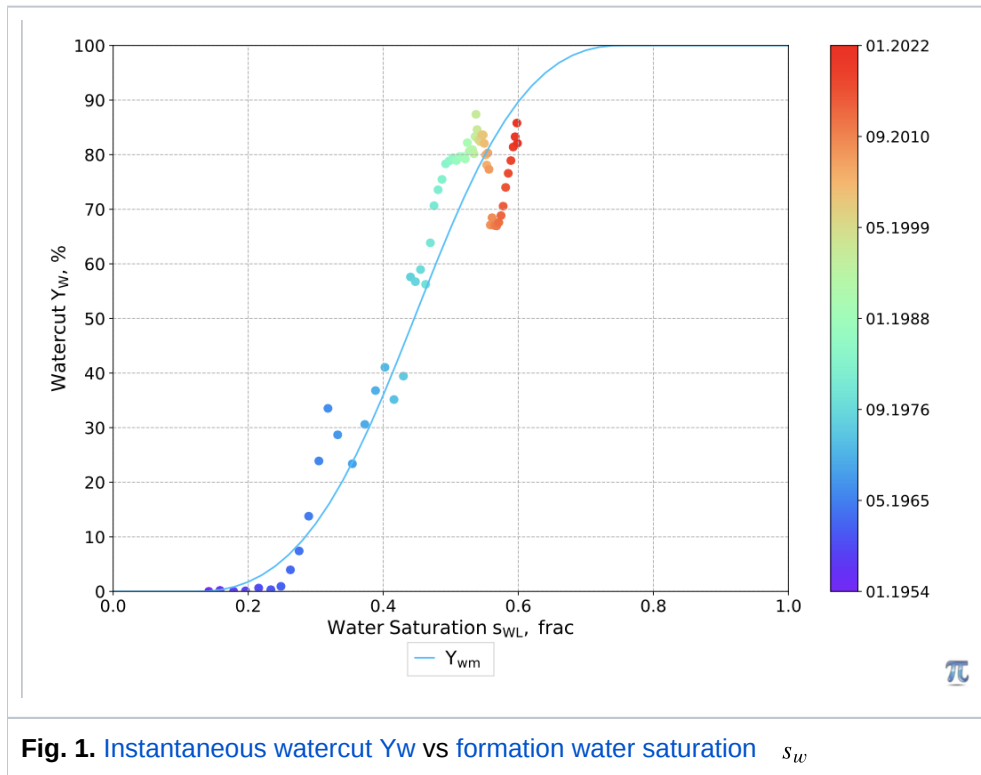


Fig. 1. Instantaneous watercut Y_w vs formation water saturation s_w

The analysis based on Watercut Fractional Flow @model is sometimes used for Watercut Diagnostics.

But since Watercut Fractional Flow @model is heavily dependent on current drainable Hydrocarbon Reserves, which is really known for certain, its is usually not effective tool for detect the presence of Bad Water.

On the other hand the Fractional Flow water plot is quite effective to assess the maximum drainable Hydrocarbon Reserves.

See Also

Petroleum Industry / Upstream / Production / Subsurface Production / Field Study & Modelling / Production Analysis / Watercut Diagnostics

[Watercut Fractional Flow @model]