

**On the basis of your reading of the relevant literature, indicate whether the following statements are true or false and briefly document/justify your selection.**

T It is easy to identify a table and/or figure in the paper by Hirasaki and Zhang (2004) in which the authors show and explain the trend that highlights and justifies the paper's main message.

Yes!

OK eg. Figures 27-29  
wettability alteration with alkaline surfactant  
=> oil recovery by "spontaneous imbibition"

T Hirasaki and Zhang (2004) do not cite the representative literature that describes (or summarizes) the effect of a buffer on the electrokinetic behavior of alkaline earth carbonates.

[Surf. Chem 101?]

surprise? Ref.?

not mentioned? => Ref. 22-29?  
zeta potential vs pH  
Fig 7... also shows that the zeta potential of Calate is negative even to neutral pH when the brine is 0.1N Na<sub>2</sub>CO<sub>3</sub>/NaHCO<sub>3</sub> plus HCl to adjust pH.

F The paper by Ayala and Ye (2013) does not include an application of their 'universal' type curve to gas-in-place predictions.

- case studies do include these calculations -> eq. 29

(...but are the #s in the tables input or output values?)

easy to distinguish?

T/F Ayala and Ye (2013) discuss the values of fluid or reservoir properties summarized in their case-study tables, and highlight some of their differences.

Yes => "Table 2 details the specification changes..."

Examples?

(not really? => F)