Additions and Corrections

Omid Karoussi and Aly A. Hamouda*: Imbibition of Sulfate and Magnesium Ions into Carbonate Rocks at Elevated Temperatures and Their Influence on Wettability Alteration and Oil Recovery, *Energy & Fuels* **2007**, *21,* 2138–2146.

Equation 8 was published with a typing error (a misplaced parenthesis). The corrected equation is as follows:

$$\zeta(T) = (0.01712(T - T_0) + 1)\zeta(T_0) \qquad (8)$$

Corrected Figures 7 and 8 are presented below. The conclusions remain the same with no change.

A correction is needed to the right column on page 2145 (in the Water Film Stability (Disjoining Pressure) section). The sentence "In the third case with the Mg^{2+}/modified calcite system (Figure 8c), it is shown that increasing the temperature leads to an increase of the maximum from a value of ~0.93 to ~35 atm when the temperature is increased from 45 to 130 °C, respectively." should read as follows: "In the third case, with

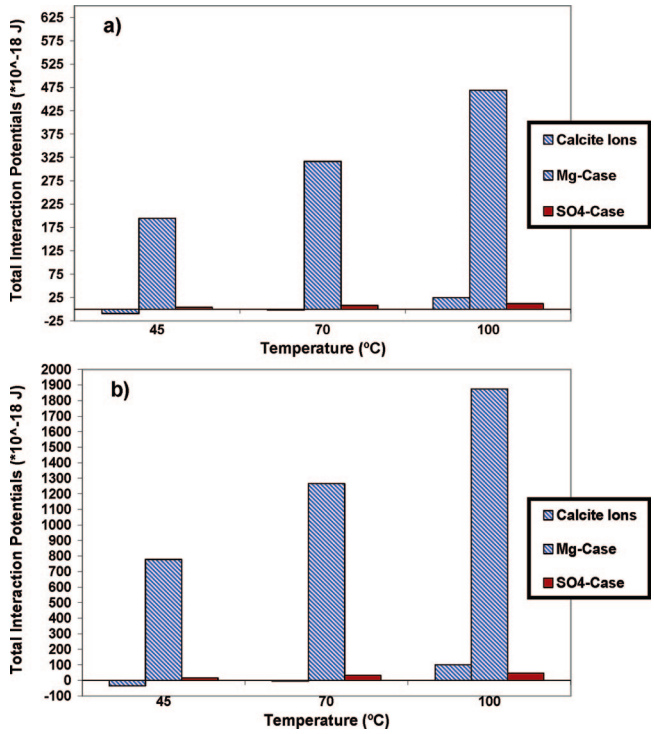

Figure 7. Estimated interaction potential for modified calcite surfaces (0.005 M SA) in aqueous solution containing 0.1 M Mg^{2+}, 0.1 M SO_4^{2-}, or distilled water (D.W.) for two different particle sizes: (a) 1 μm; (b) 4 μm.

the Mg^{2+}/modified calcite system (Figure 8c), it is shown that increasing the temperature leads to an increase of the maximum from a value of ~25 to ~85 atm when the temperature is increased from 40 to 130 °C, respectively."

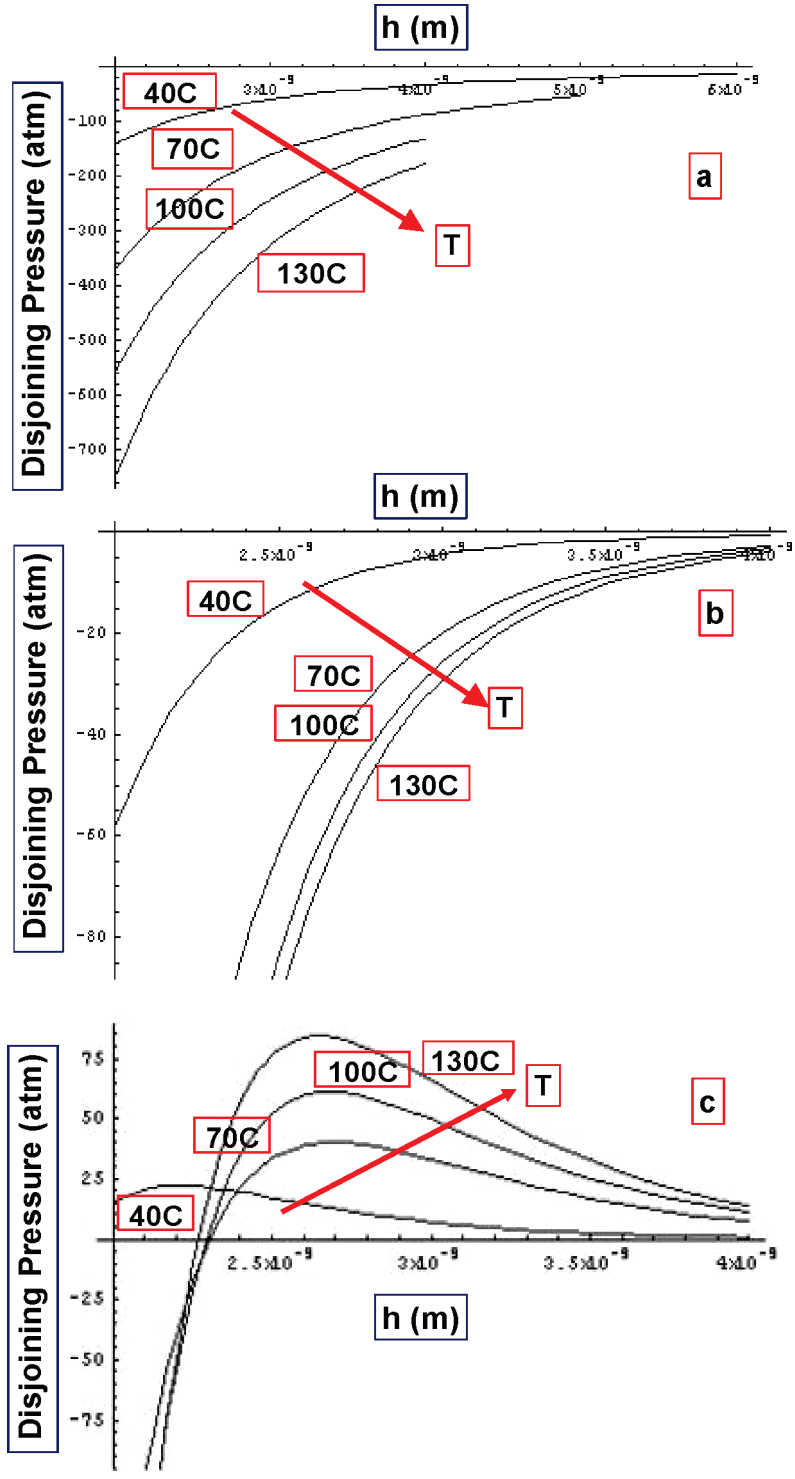

Figure 8. Disjoining pressure (atm) vs water film thickness (m) for different aqueous solutions: (a) modified calcite/D.W.; (b) modified calcite/0.1 M Na_2SO_4; (c) modified calcite/0.1 M $MgCl_2$.

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