

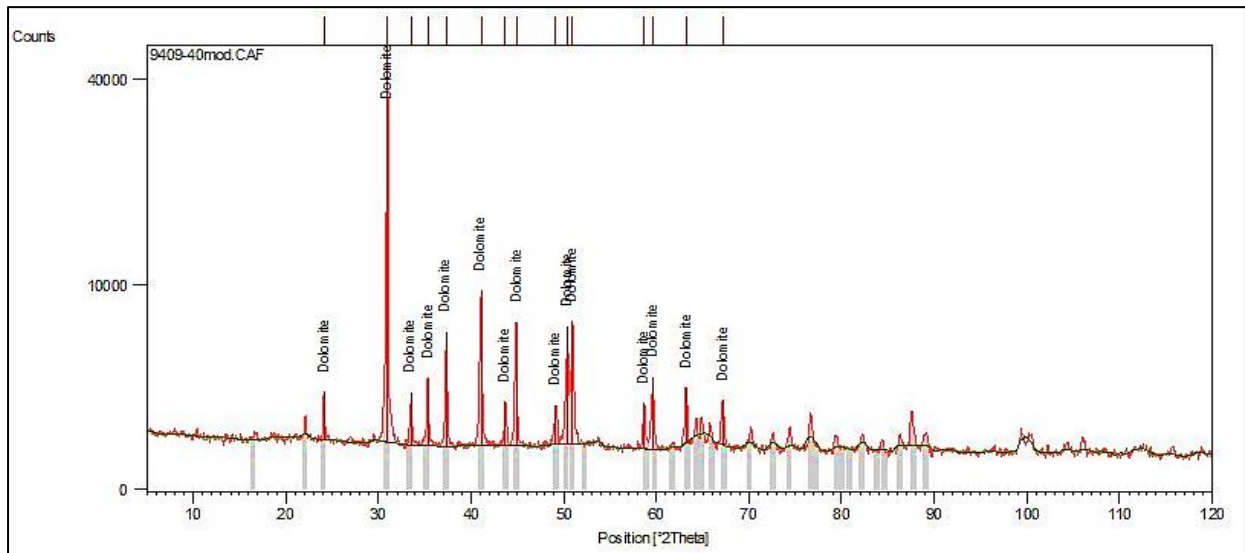
Role of divalent ions, temperature, and crude oil during water injection into dolomitic carbonate oil reservoirs

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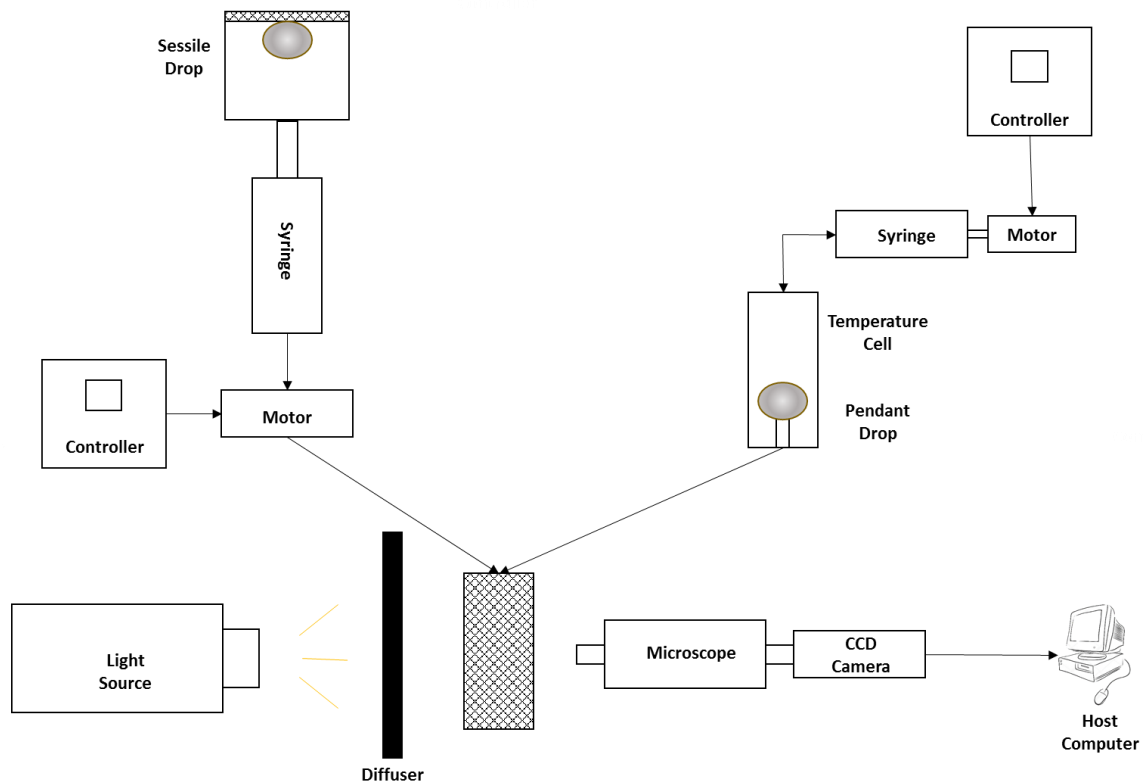
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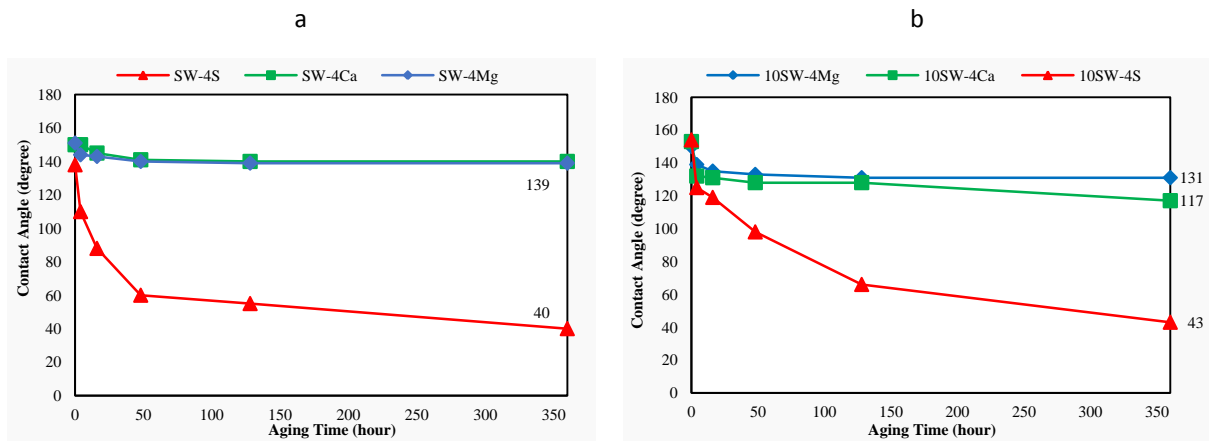
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sf 1. Result of X-ray Diffraction (XRD) of used outcrop (Dolomite), the majority of used rock is $MgCa(CO_3)_2$ since there is a good agreement between the result and standard $MgCa(CO_3)_2$ peaks.



sf 2. Schematic view of contact angle measurement apparatus



sf 3. Effect of ion content on wettability state of dolomite particles through contact angle measurements at elevated temperature and ambient pressure of 28 °C and 14.7 psi, crude-B. a) Adjusted SW composition, b) Adjusted 10SW composition