

# Hydrogen, Methane, Brine Flow Behavior and Saturation in Sandstone Cores during H<sub>2</sub> and CH<sub>4</sub> Injection and Displacement

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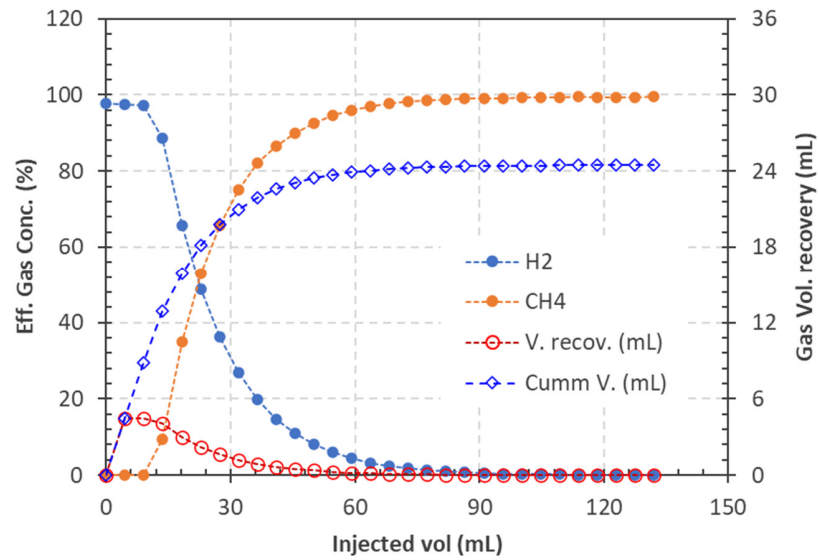
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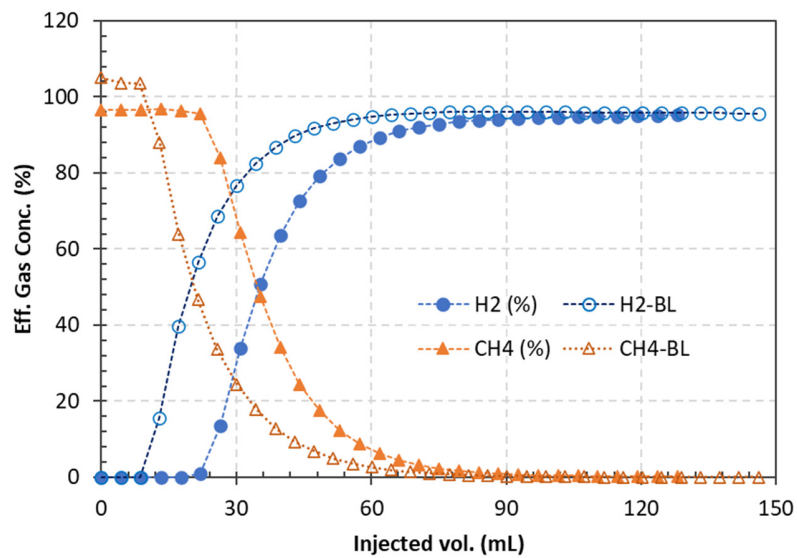
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## Supporting Data



**Figure S1.** CH<sub>4</sub> displacing H<sub>2</sub>: tubing + gas separator vol. = 23.34 mL. H<sub>2</sub> vol. recovery = 24.47 mL. (off by 4.84%).



**Figure S2.** Comparison of gas breakthrough concentrations between baseline (BL) and core testing when H<sub>2</sub> was used to displace CH<sub>4</sub>. The dispersion caused by the presence of core is clearly observed.