

Fig. S1 Viscosity of different polymers, and concentration is 0.1 wt%.

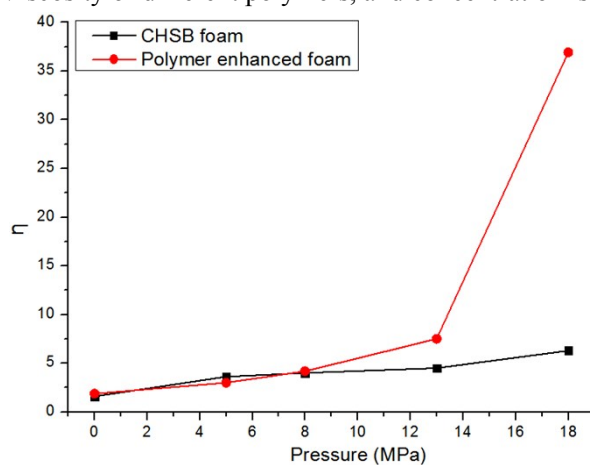


Fig. S2 The half-life ratio (η) of CO₂ foam to N₂ foam as a function of pressure.

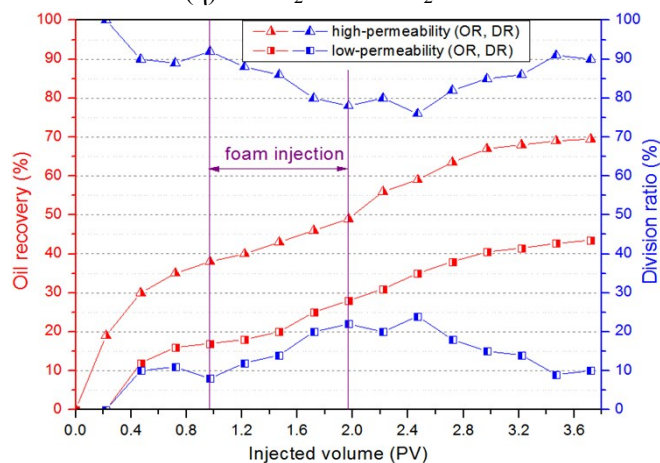


Fig. S3 Changes of oil recovery (OR) and division ratio (DR) in the high- and low-permeability of heterogeneous cores, and the permeability ratio is 3 and CHSB foam is injected.