

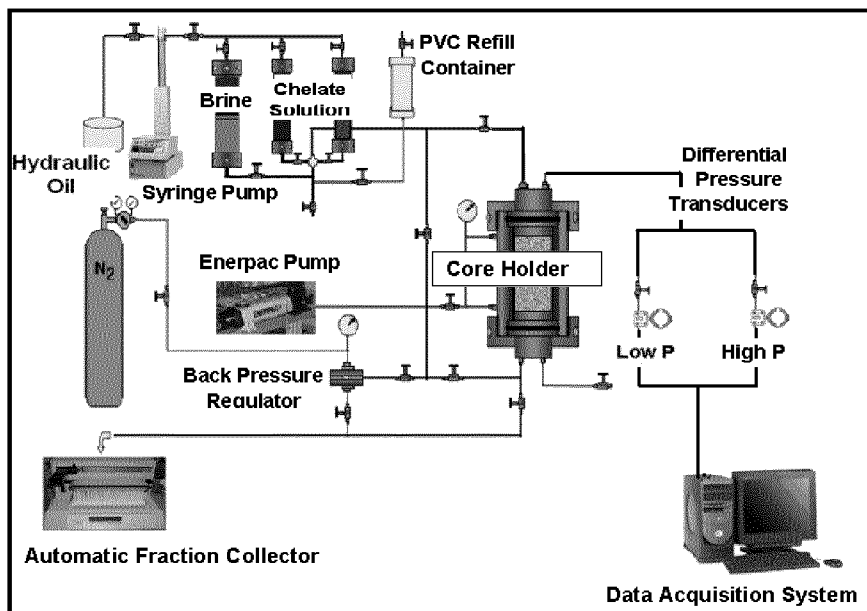


Fig. 1 - Core flooding set-up.

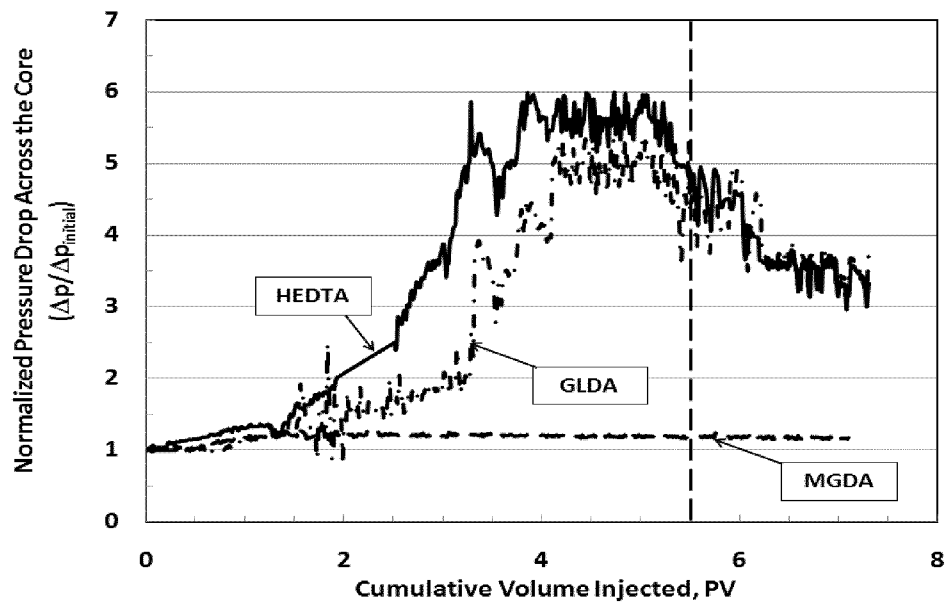


Fig. 2 - Pressure drop across the core during the coreflood experiment for 0.6M GLDA (pH = 4) and 0.6M HEDTA (pH = 4) at 300°F and 5 cm³/min using Berea sandstone cores.

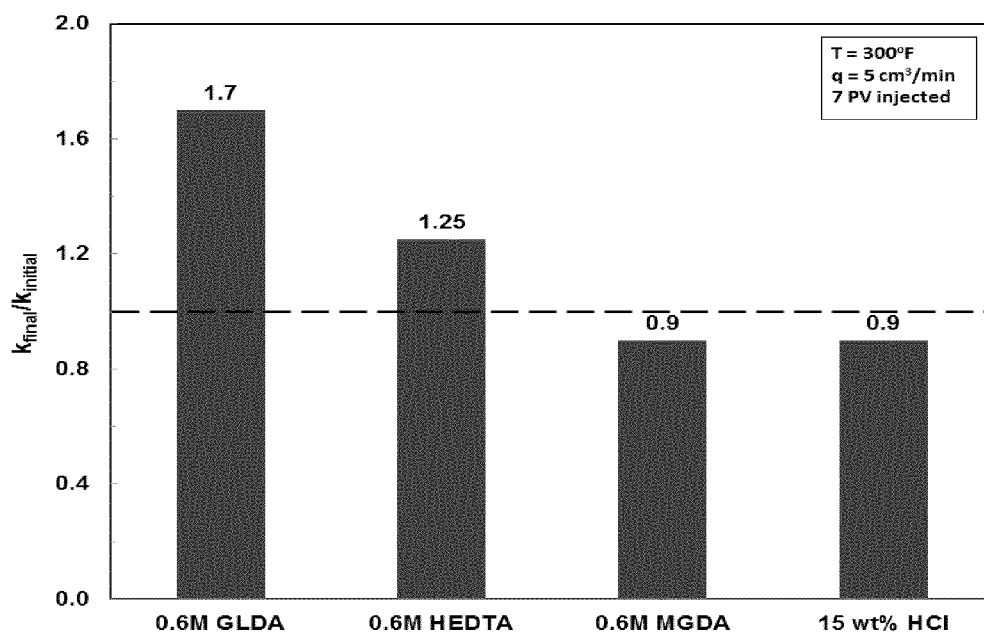


Fig. 3 - Permeability ratio for the Berea sandstone cores treated with 15 wt% HCl and 0.6M chelating agent (pH =4) at 300°F and 5 cm³/min.

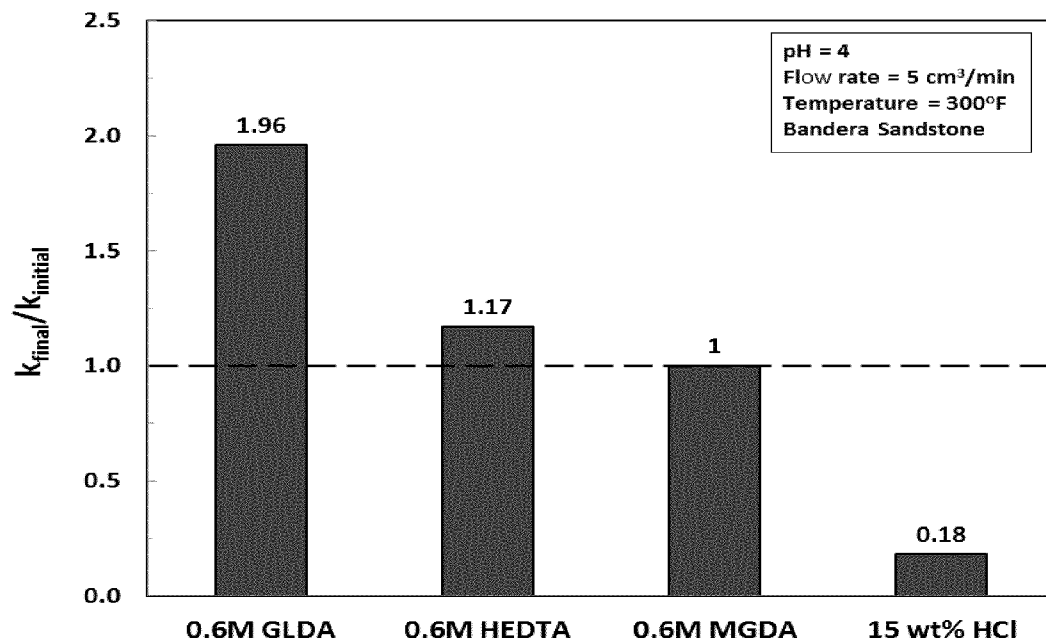


Fig. 4 - Permeability ratio for the Bandera sandstone cores treated with 15 wt% HCl and 0.6M chelate (pH =4) at 300°F and 5 cm³/min.

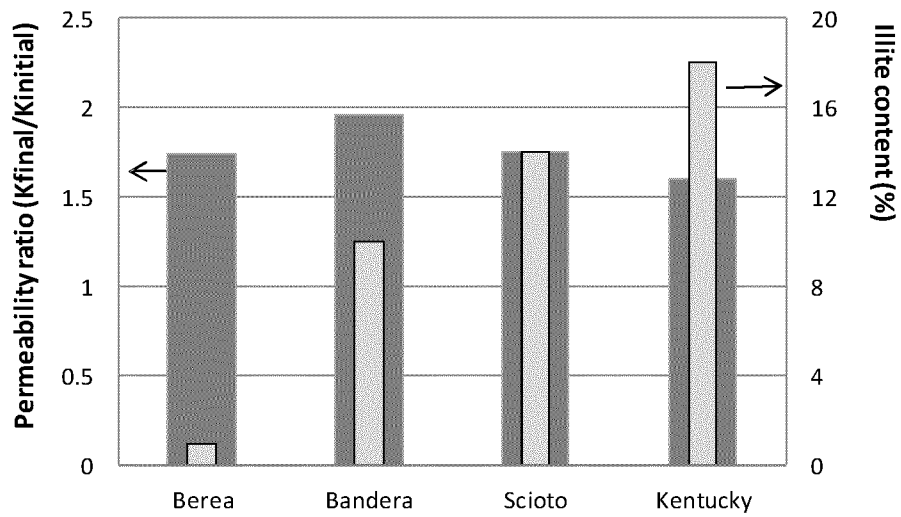


Fig. 5 - Permeability ratio (left axis) for various sandstone cores treated with 0.6M GLDA (pH =4) at 300°F and 5 cm³/min. The illite content of the sandstones is indicated on the right axis.

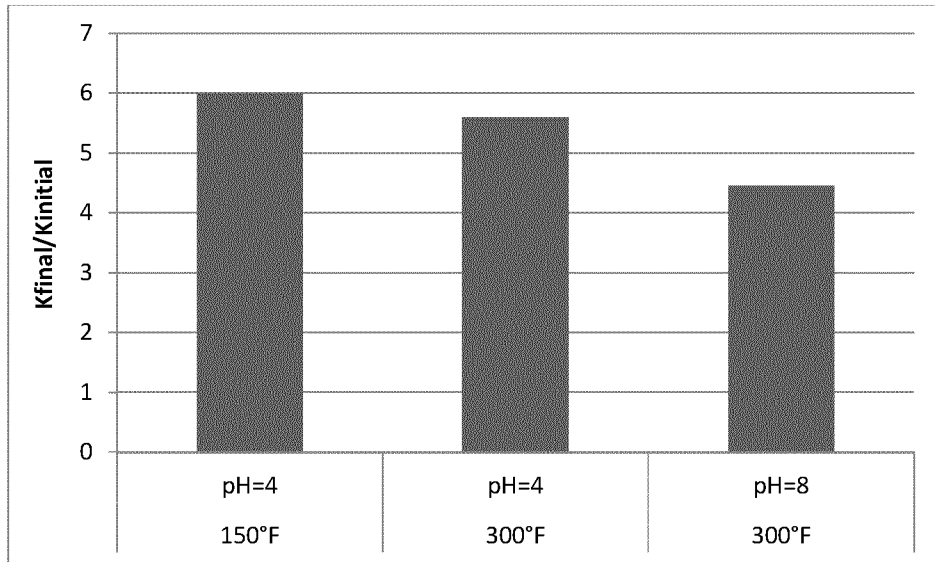


Fig. 6 - Permeability ratio after core flooding tests with 0.6 M GLDA with an injection rate of 5 cm³/min on Bandera sandstone under different temperature and pH conditions