

Supplementary Material 1. Pressure difference and temperature

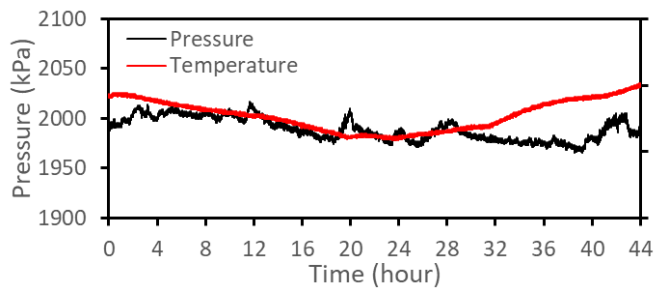


Figure S1.1. Drainage 2 MPa

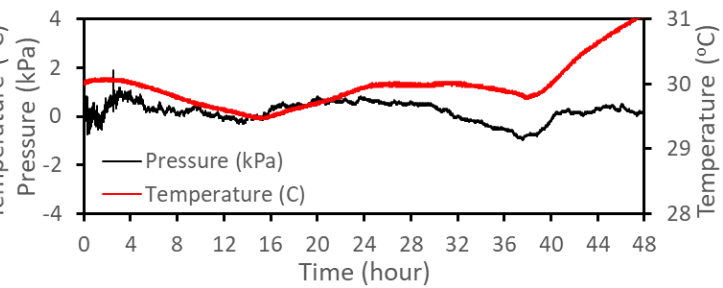


Figure S1.6. Spontaneous Imbibition 0 kPa

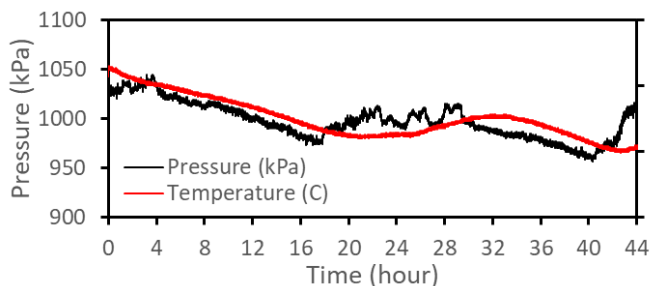


Figure S1.2. Spontaneous Imbibition 1 MPa

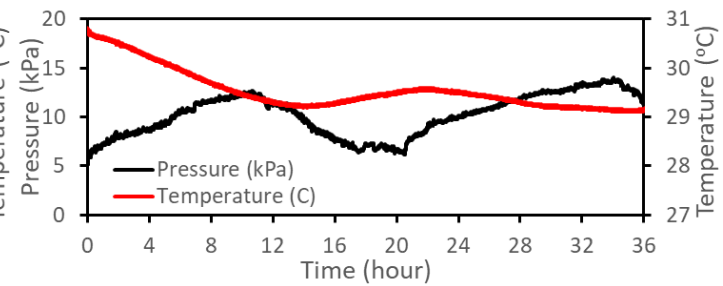


Figure S1.7. Forced Water Injection 10 kPa

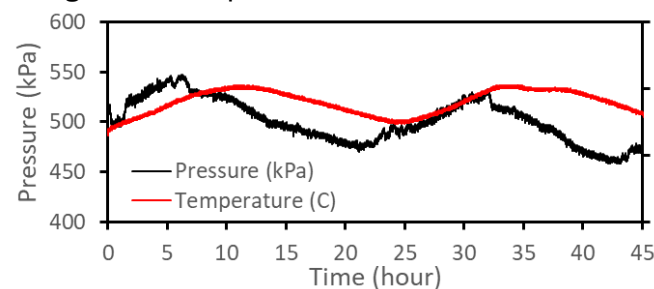


Figure S1.3. Spontaneous Imbibition 500 kPa

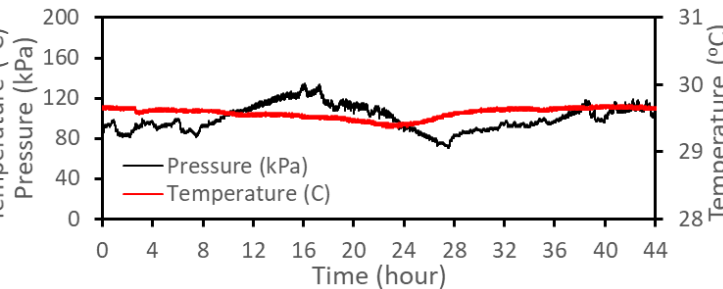


Figure S1.8. Forced Water Injection 100 kPa

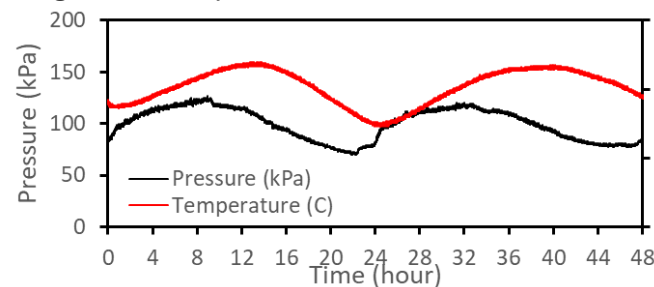


Figure S1.4. Spontaneous Imbibition 100 kPa

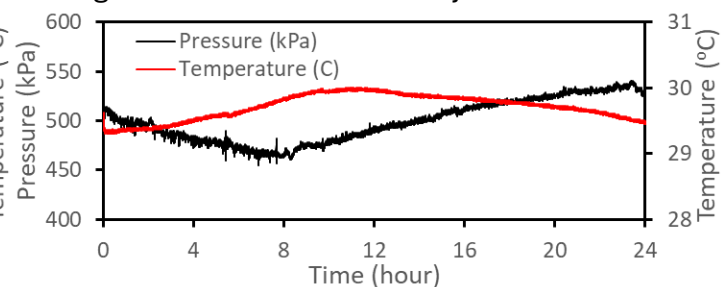


Figure S1.9. Forced Water Injection 500 kPa

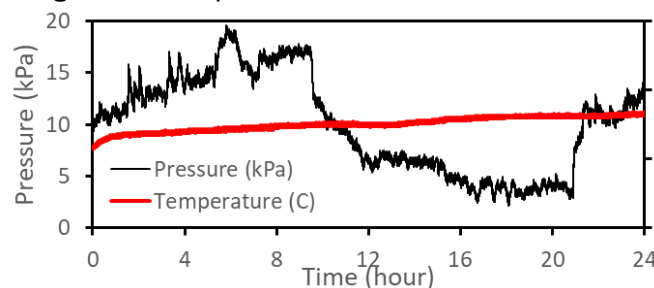


Figure S1.5. Spontaneous Imbibition 10 kPa

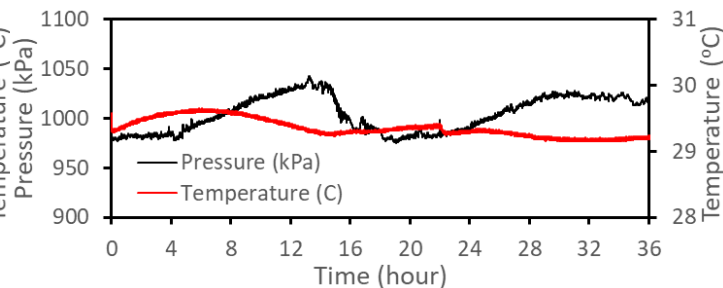


Figure S1.10. Forced Water Injection 1000 kPa

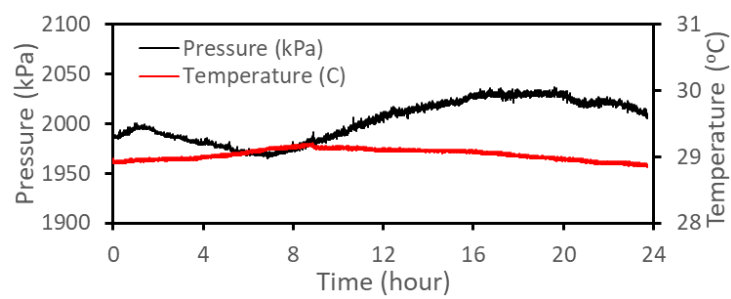


Figure S1.11. Forced Water Injection 2000 kPa