

Geosequestration 3 – Injection testing solutions

The issue faced by our client

A water injection test was required to provide a better understanding of the relative permeability for CO₂ in the target reservoir.

Our client ZeroGen knew what they wanted to achieve but had found out that the scale of test they required wasn't a standard test with available service providers able to help out.

Our solution

We used our in-house engineering capability and worked with the client to provide a solution for the water injection test.

The services included:

- Concept engineering for the water injection process
- Sourcing suitable pumps
- Designing control systems for the program
- Surface facilities engineering for the storage tanks and circulation systems
- Operator for the test

Outcomes for the client

The water injection test was successfully completed with the desired data on relative permeability gathered, more cost effectively than if the client had chosen a larger water injection system available on oil and gas services market.