

Permeability consistently decreases at the beginning of the test. Samples are damaged during sampling; "healing" is due to the effects of high compressive stresses.

When cavity pressure increases to reach confining pressure, permeability gradually increases. At hour 200, a discrete fracture crosses the sample.

It was proved that permeability increase will allow pressure build-up to release.

This study was supported by the Solution Mining Research Institute and the Department of Energy (USA)