

SOLUTION MINING RESEARCH INSTITUTE

New Address:

1745 Chris Ct.
Deerfield, IL 60015-2079 – USA
Phone: 847-374-0490
Fax: 847-374-0491
E-mail: bdiamond@mcs.com

MEETING
PAPER



A TENTATIVE EVALUATION OF THE MIT

BÉREST P., BERGUES J., BROUARD B. (LMS, École Polytechnique)
DURUP G., GUERBER B. (Gaz de France)

Summary

In order to check the validity of the nitrogen-leak MIT, a gas-brine interface was lowered to half-height of a cavern well in order to minimize the risk of (real) gas leak. The cavern, which had been leached out 14 years ago, has stabilized; creep, percolation or thermal effects can be considered negligible. Mock leaks were then provoked by injecting or withdrawing known quantities of nitrogen or brine through the well-head. The test gives clear evidence of the so-called barometric effect; measured and calculated values of the gas-brine interface displacement and leaks were found to be in good agreement.

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