

Restoring Wellbore Integrity A Case Study

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Abstract

The function of a storage cavern wellbore is to allow the safe injection and withdrawal of fluids and gas from the storage cavern. This function cannot be performed safely or effectively unless the integrity of the wellbore is maintained. In addition, the wellbore is the most likely point of failure in the containment of the stored fluids. The wellbore is vulnerable to failure primarily because there are so many potential leak paths that are inherent in the design of a wellbore. This paper will describe the potential leak paths in a wellbore and cite two case histories where pressure-activated sealant technology was utilized to successfully seal the leak paths.

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