

## INTRODUCING THE FORMATION SQUEEZE MONITOR

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### INTRODUCTION

The purpose of this presentation is to introduce a new downhole test apparatus for estimating time-dependent losses of storage volumes for salt caverns. These losses are sometime referred to as “cavern shrinkage”, and represent effects over time of salt “creep” or “squeeze” into the caverns. Creep effects on caverns generally are representative of salt formation behavior in situ. The new apparatus was designed to assess this behavior, and subsequently it was named the “formation squeeze monitor”, or FSM. In principle it can also be used in nonsalt applications, e.g., assessing borehole stability in any squeezing formation. However, this presentation will focus on use of the FSM for estimating loss of storage volume for salt caverns.

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