

Solution Mining Research Institute Fall 2012 Technical Conference
Bremen, Germany, 1-2 October 2012

**SOUNDS GOOD? DETERMINATION OF A GAS/BRINE INTERFACE
BY AN ACOUSTIC METHOD AT MANOSQUE**

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Abstract

Water hammers commonly are observed at wellheads and often are considered a potential hazard that should be avoided. Nevertheless, there are a few situations in which water hammers provide very valuable information about a well. A comprehensive data-acquisition and analysis system has been developed by Brouard Consulting and Ecole Polytechnique. One potential application of that system is determining the depth of an interface between two fluids. This application has been tested successfully at the Manosque field. It is demonstrated here how this low-cost and non-intrusive system can be accurate and allows practical, real-time measurements.

Key words: Well Logging, Instrumentation and Monitoring, Computer Modeling/Software, Leaching, MIT.

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