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SET-UP OF A BROKEN-CASINGS DETECTION SYSTEM

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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 the final string; this application has been tested successfully at Vauvert brine field. It is demonstrated here that this low-cost and non-intrusive system is accurate and allows practical, real-time measurements.

Key words: Instrumentation and Monitoring, Computer Modeling/Software, Well Casing, Well Logging

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