
IN-SITU EQUIPMENT TESTING, DATA ACQUISITION, AND FIELD PROCESSING OF VERTICAL SEISMIC PROFILES

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Wellsite processing of VSP data is necessary to allow quick on-site decision making as to future drilling plans. Prior to processing, the acquisition equipment must allow for adequate quality control during recording. With new state-of-the-art hardware, in-situ testability will allow both qualitative and quantitative information on tool electronics performance, coupling quality, and geophone response changes during the survey whenever required. Processing can then be performed (either in realtime, depending on hardware availability or immediately after the survey) which will provide a multiple-free broad band seismic trace at the wellbore.

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