

The role of borehole measurements and longterm monitoring in the seismogenic zone drilling

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Borehole logging, borehole experiments and long term monitoring using boreholes in seismogenic zone drilling are extremely useful for characterization of the fault and determining fault properties. Extensive borehole logging and extended leak-off tests were made in the Taiwan Chelungpu-fault Drilling Project (TCDP). The faults zone characterization by borehole logging was compared with core measurements. The minimum horizontal stress determined by shut-in pressure for 4 depths (above and below the main fault zone) shows lower than overburden pressure.

We will also discuss the future seismogenic zone drilling and the role of borehole measurements and longterm monitoring in the seismogenic zone drilling.