BRGM borehole temperature wireline instrument demonstrated beyond 300°C in a high temperature well

Yesterday, June 23rd, Francois Lebert from BRGM was able to demonstrate together with ÍSOR a new temperature measuring tool built and assembled within the HiTI project. The electrical resistance changes of platinum with temperature are used for recording, using four wireline conductors, two for current feeding and two for voltage readout over the platinum sensor. This analytic tool was designed at BRGM, based on an earlier conception of R. Gable, for operation beyond 300 °C and pressures up to 1000 bar. Its Inconel 625 body is highly resistant to corrosion.

Temperature response times were evaluated at different logging speeds. Calibration was performed at Calidus facilities up to 300 °C.

With this task and the following reporting, BRGM has successfully completed all HiTI deliverables.

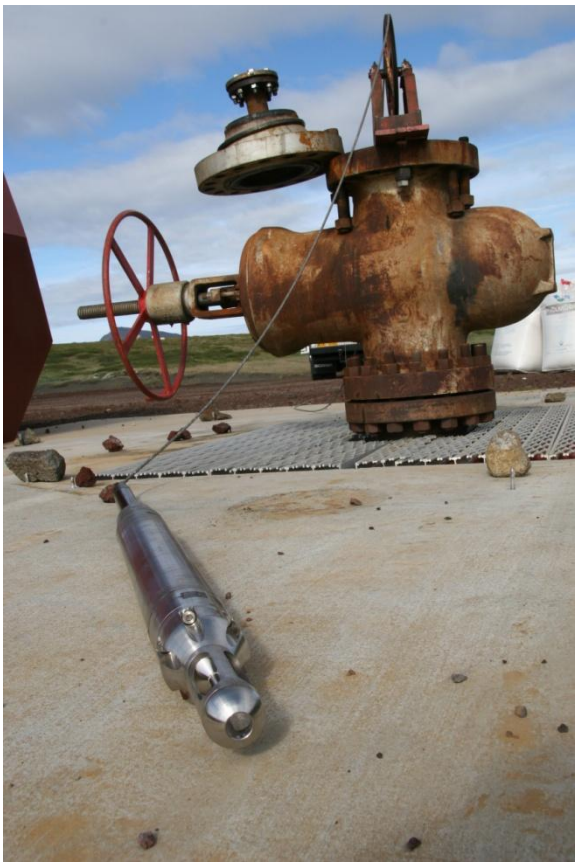

Figure 1. *BRGM temperature tool before going into a high temperature well at Krafla*

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