

## Vertical Seismic Profiling (VSP) Traunreut

### Client:

Geothermische Kraftwerksgesellschaft Traunreut mbH  
Hochreit 51  
83368 Traunreut, Germany

### Contact:

Dipl. -Ing. Thomas Neu

### Task:

Seismic borehole survey, analysis and interpretation in the context of a research project, funded by the Free State of Bavaria.

### Survey Location:

Well Traunreut GT1, Traunreut (Bavaria, Germany)

### Survey date

March 1<sup>st</sup> - 3<sup>rd</sup> 2012

### Acquisition parameters:

VSP-survey (180 levels, a „0-offset“ source position) and WSP-(Walkaway) survey (12 levels fixed at 2,600 m depth, 200 „multioffset“ source positions). During data acquisition three AHV IV type vibroseismic vehicles were deployed.



Vibroseis vehicle in the field during the WSP-survey in Traunreut

### Number of staff deployed:

4 engineers, 6 technicians, 3 surveyors,  
2 supporting staff and R&D Partners  
(G.E.O.S., IPS, Schlumberger)

### Service:

The in-borehole seismic profiling is used for local validation of an existing 3D seismic interpretation including a time-depthrelationship, therefore enabling more precise well design „while drilling.“ The survey was challenging with respect to the short time frame of 10 days for accomplishment of the service. The task was completed successfully during that period.

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