

GFZ-OSG - Logging Report
OUTO, Outokumpu, Finland
09–10-APR-2006

Statistics	
Logging:	09&10-APR-2006
Total work time:	2 d
Logged section:	0 – 2507 m
Sondes on-site:	MP big, SGR big,
Sondes logged:	MP big, SGR big,
Data Acquisition:	GEOBASE 4.10.0.0
OSG participants:	Bohn, Carnein, Kück
Project responsible:	Ilmo Kukkonen
Cable type /Owner:	7-conductor/GFZ
Winch type /Owner:	International Harvester logging truck/GFZ
Power supply:	grid
Drilling Supervs.:	-
Drilling Operator:	NEDRA
Drill Rig/Barge:	NEDRA
Witness:	Ilmo Kukkonen, Martti Damsten

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Site Parameters	
Well:	OKU-1
Location:	Outokumpu, Karelia, Finland
Geographic Coordinates:	-
Depth reference driller:	top of casing
Depth reference logger:	top of casing
Elevation reference above ground:	1.1 m
Elevation reference above sea level:	100.15 m
Elevation ground above sea level:	99.05 m
Water level:	9 m

Well Parameters (driller depth)			
Max. depth driller: 2516 m			
<i>Casing/Liner/ OH</i>	<i>ID</i>	<i>Top/m</i>	<i>Bottom/m</i>
Casing/Pipe	324 mm	0	44
OH	220 mm	44	2516
Drilling method in open hole:		rotary coring	
Type of fluid in hole:		fresh water	
Remarks:			

Logging Program OUTO, OKU-1, 09-10-APR-2006				
Sonde	Parameters	Log Range [m]	Date 2006	Remarks
MP big	Mud parameters: T-p-MRES GR	0 – 2507	09-APR	max. TEMP ≈ 40 °C
SGR big	K, U, Th GR	0 - 2506	10-APR	
Geophone U of Alberta	Seismics, VSP	0 - 1000	27-APR	GFZ: winch service; tool did not work -> change to GFZ owned BG250 borehole geophone
BG250	seismics, VSP	0 - 2500	28-30- APR & 01-05- MAY	all seismics data is at U of Alberta, Doug Schmitt