

Well Schematic TH0409
ERT/DTS Monitoring Borehole



Wireline logging undertaken	Tools run
Upper Section logged in cored 146 mm hole to 16.85 m. 06/09/22	GR, CALI, ACBI, LRES, TEMP, COND, FLOW
Lower section logged in reamed 200 mm hole from 0 to 100.3 m. 29/11/22	GR, CALI, ACBI, LRES, TEMP, COND, FLOW

Ground Level

24" Cemented to casing top

24" casing shoe
OD 630mm (24.8")
ID 593.2mm (23.35")

Cored with 146 mm assembly to 17.1 m

Section reamed out to 6.1 m in 311mm (12.25")

Staged grout job Geotherm X Grout (thermal conductive grout)

Openhole section - cored 146 mm Core recovered 102 mm to 105.9 m

Reamed to final hole diameter - 200 mm (7 7/8") to 101.0 m

Kwik-Zip centralisers run every +/- 5 m in centre of install joint

Fibre optic cable to total depth (Active constellation)

2 x ERT cables with 42 nodes at 1 m spacing from ~12 to 96m bgl

75 mm OD x 67.8 mm ID Boode PVC pipe

Cuttings from drilling in sump to 101 m

Screen section at 98.04 to 98.99 m

Depths m MD-BCT	Comments	Backfill depths
0.88m	Grout stage #8	0.88 to 2.35 m
2 m	Bedrock encountered at 1.75 m	
	24" surface casing	
	Grout stage #7	2.35 to 22.40 m
6.1 m	Open hole size remaining after 10 3/4" temp casing recovered	
	Grout stage #6	22.40 to 32.10 m
	Grout stage #5	32.10 to 42.0 m
	Grout stage #4	42.0 to 56.23 m
	Grout stage #3	56.23 to 79.70 m
	Grout stage #2	79.70 to 83.40 m
	Grout stage #1	83.40 to 92.36 m
	Bentonite Cement Pellets	92.36 to 95.27 m
	Bentonite Pellets (Mikolit 300)	95.27 to 96.90 m
	1 - 2 mm MGS filter sand	96.90 to 99.90 m
	4 - 10 mm MGS filter gravel	99.90 to 101.0 m
100.0 m		
101.0 m		
105.9 m	Additional metres drilled for sump - debris in well and for logging tools	

TD Coordinates
Eastings - 344935.63
Northings - 375829.44
Step out - 0.66 m (inc 0.46 deg / azi 216 deg)