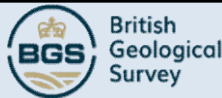


Borehole coordinates:
Easting - 344930.719
Northings - 375850.685
Top 24" depth ref - 20.086 m AOD
Top 24" to GL - 0.085 m

Well Schematic TH0408

Abstraction / ReInjection Borehole



Wireline logging undertaken

Section logged from 2 to 98.2 m. Top section from 2 to 15 m through casing, lower section to TD in cored 146 mm hole. (05/05/23)

Tools run

GR, CALI, ACBI, LRES, TEMP, COND

Ground Level

24" Cemented to casing top

11.5" cemented to surface (0.78 m below 24" casing top) - no losses

Fibre optic cable (Active constellation)

Detached shoe behind sleeve casing, drag bit used to provide a socket for sleeve casing down to 15.60 m. No cement present.

Pump power cable

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

Intermediate section cored in 152 mm to 16.10 m then reamed out to 444 mm down to 15.5 m

ERT cable with 14 electrodes from ~2 to 15m bgl

3 1/2" Rising main
Ecoline Heavy Duty PN26 PVC Riser
(88 mm OD / 80 mm ID
110mm OD Over Joint)

11.5" Casing shoe
OD 330 mm
ID 292 mm

Sleeve Casing Shoe
OD 280 mm
ID 255 mm
C type (flush joint).

Geopro openhole packer

Druck 1800 series sensor below packer

Geopro flow sleeve / valve

Grundfos SP 46-5 pump

Openhole section
ID 222 mm
Cored to total depth in 146 mm diameter before reaming out to the final hole size - 222 mm

Cored to total depth and retained

Depths m MD-BCT	Comments
All Measured Depths (MD) are in metres Below (24") Casing Top (BCT)	
2 m	Bedrock encountered at 1.75 m 24" surface casing
14.69 m	End of intermediate casing without shoe
15.60 m	Sleeve casing run with 6.0 mm clearance either side inside the intermediate casing and landed on shoulder
33.11 m	Geopro packer (mid element)
34.50 m (base)	Druck 1800 series pressure sensor
34.98 m	Geopro valve / sleeve
36.63 m	Grundfos SP 46-5 pump
100.0 m	Additional 0.5 m drilled for sump - debris in well
100.5 m	

TD Coordinates
Eastings - 344930.97
Northings - 375850.44
Step out - 0.35 m (inc 0.46 deg / azi 82 deg)

Reamed depth
Total depth