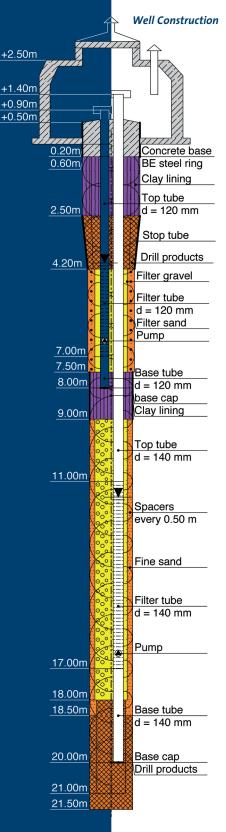


Bore hole logs, Layer specifications Well and gauge sinking DCBORE



8

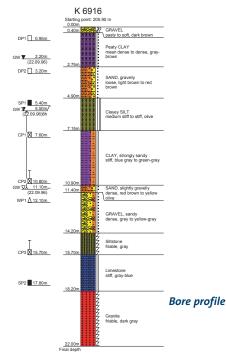
Bore profiles acc. to
DIN 4023:2006, DIN EN ISO
14688-1, OENORM B 4400-1,
SN 640 034 and 670 008,
British Standard BS 5930

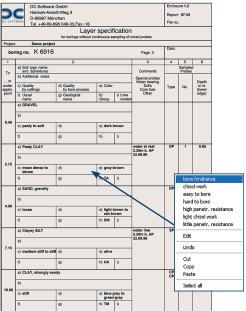
- Layer specification acc. to DIN EN 22 475-1, DIN 4022 and DIN 4943
- Well and piezometer display acc. to DIN 4943
- German, English, French, Romanian language
- Geothermal borings with sounding cone and colored pipes

Functions

Bore hole logs:

- Layer input through short designations, immediate conversion into long text
- Free completion of the layer descriptions
- Samples and water levels (different types), soil group and soil class





Layer specification

- Complete symbol editor to define and modify all soil types, abbreviations and colors
- Layer specification: user-defined selection of font and font style (bold, italic), predefined texts with right mouse button

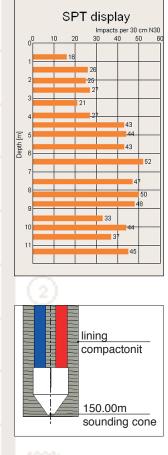
Level and well finish:

- Detailed graphic of level-head and/or well pit
- Any number of pipes (multi-level)
- All kinds of pipe types (extension pipe, different types of filter pipes, sump pipe, gauge pipe) incl. haunches
- User-defined fillings with symbol editor, any number of multi-fillings (counter filter), with block pipe or continuous sealing
- Spacers: different types

- Infill baskets, infill pipes, cementation items, packers
- Automatic labeling, optionally user-defined labeling

Operation

- Immediate graphical control of all input with zoom-function
- Most simple edit process by double-click in the graphic
- Extensive configuration options: abbreviations, long text, color, consistency, soil group, soil class, samples/water levels on/off, elevations etc.
- All kinds of page formats up to A0, customizable definition of the title block



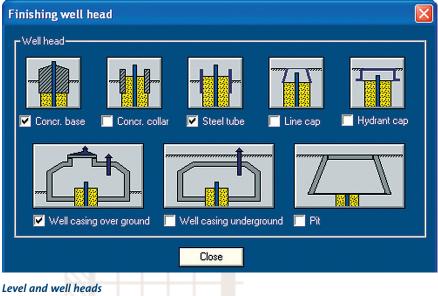
Standard penetration test acc. to EN ISO 22 476-3 and DIN 4094-2

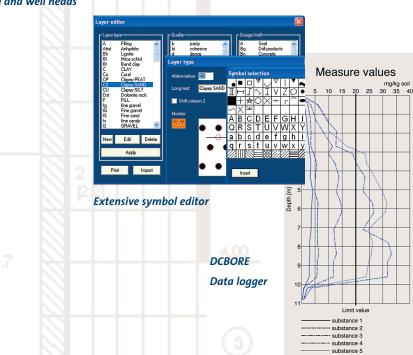
K 6912 Heat extraction acc. to guideline VDI 4840					
for 1800 annual operation hours, water level = 19.85 m					
No.	Soil type	Layer name	Thickness [m]	Spec. heat extraction[W/m]	Heat extraction[VV]
1		Clayey PEAT	0.40	25.0	10.0
2		GRAVEL	2.35	25.0	58.8
3	X.3 X.4 X.3 X.4 X X.4 X.4 X.3 X.4 X X.4 X.4 X.3 X.4 X	Sandy SILT	11.60	35.0	406.0
4		Silty CLAY	4.15	35.0	145.3
5		Silty SAND	4.95	25.0 / 65.0 *	267.8
6		GRAVEL	7.75	65.0	503.8
7		SAND	8.35	65.0	542.8
8		GRAVEL	8.75	65.0	568.8
9		SAND	13.70	65.0	890.5
Total			62.00		3393.5
values above / below ground water					

values above / below ground water

Determination of the heat extraction with DCBORE-Geotherm

Display of geothermal boring





- Project-related database storage: access via Microsoft Access possible
- Graphics export to DXF format (AutoCAD)

Additional options

- DCBORE-Geotherm: Determination of the heat extraction acc. to VDI guideline 4640 directly from the bore profile
- DCSTAN: BDPs (SPT: Standard Penetration Test acc. to DIN 4094-2, EN ISO 22476-3)
- DCBORE-Data logger: measure values in a diagram along with the bore profile: lines/bars, linear/logarithmic
- DCBORE-LS2: Layer specification according to DIN 4022 Part 2 (borings in rock)
- DCBORE-LS3: Layer specification according to DIN 4022 Part 3 (taking cored samples)
- DCBORE-SEP: Import and export of bore data in SEP format
- DCBORE-ProfilTec: Import from GeoLogik ProfilTec Feldbuch