geo explorers

KELLERHALS + HAEFELI AG GEOLOGEN | BERN STANS

Ingenieurgeologie
Hydrogeologie
Abbau und Deponie
Naturgefahren
Altlasten und Boden

BÖZBERG-2-1

nagra

East (CH1903+/LV95):	2'652'218.764	Composite plot date:	22.10.2021
North (CH1903+/LV95):	1'261'985.437		
0 MD referenced to top rig cellar at:	624.33 m a.s.l (LFP3)	Spud date:	11.08.2020
Structural geology experts:	A. Ebert, L. Gregorczyk, S. Cioldi, E. Hägerstedt	End of drilling date:	08.12.2020
QC-structural geology expert:	K. Decker		
Project managers:	M. Gysi, HP. Weber, M. Stockhecke	Report No.:	NAB 21-22

Structural geology plot 1:100 (250.00 m - 525.00 m MD log depth)

Legend:

Undifferentiated bedding	Unassigned fractures	Fault planes	Stylolites	Centreline fractures	🟧 FDC 2: 20 to 60 m²/m³
Cross-bedding	Joints	Mirror-like fault planes	Fold axes	Borehole breakouts	🟫 FDC 3: 60 to 200 m²/m³
Deformed bedding	Tension gashes / veins	Stylolitic fault planes			🟥 FDC 4: > 200 m²/m³

Metres MD
System / Period (log depth)
Group (log depth)
Formation (log depth)
Borehole deviation (log depth)
0° 5°
CAL (log depth)
GR (log depth)
PEF NPOR DENS (log depth)
RES (log depth)
Lithology (core depth)
Metres MD
Acoustic amplitude dynamic (log depth)
Low Amplitude High Amplitude
FMI static (log depth)
Resistive Conductive
360 deg. core photos (log depth)
Planar photos (log depth)
Core sections / confidence (log depth)
Metres MD
Tadpole plot - undifferentiated bedding, cross-bedding & deformed bedding (log depth)
0° 90°
Tadpole plot - fault planes, mirror-like fault planes, stylolitic fault planes, fractures, joints & tension gashes / veins (log depth)
0° 90°
Tadpole plot - stylolites and fold axes (log depth)
0° 90°
FDC (log depth)
Fault zone (log depth)
Stylolite zone (log depth)
Tension gash zone (log depth)
Undifferentiated bedding, cross-bedding & deformed bedding (log depth)
P32 all natural structures (log depth)
(m²/m³)
0 45
Fault planes, mirror-like fault planes & stylolitic fault planes (log depth)
P32 fault planes, mirror-like fault planes & stylolitic fault planes (log depth)
(m²/m³)
0 45
Fractures, joints & tension gashes / veins (log depth)
P32 fractures, joints & tension gashes / veins (log depth)
(m²/m³)
0 45
Stylolites (log depth)
P32 stylolites (log depth)
(m²/m³)
0 45
In situ stress indicators (log depth)
0° 360°
Metres MD
Late Jurassic
Malm
Wildegg Fm.
Ifenthal Fm.
Middle Jurassic
Dogger
Hauptrogenstein
Passwang Fm.
Opalinus Clay
255
260
265
270
275
280
285
290
295
300
305
310
315
320
325
330
335
340
345
350
355
360
365
370
375
380
385
390
395
400
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410
415
420
425
430
435
440
445
450
455
460
465
470
475
480
485
490
495
500
505
510
515
520
N = 2
N = 30
N = 7
N = 5
N = 34
N = 17
N = 3
N = 10
N = 36
N = 22
N = 2
N = 48
N = 1
N = 10
N = 2
N = 136
N = 2
N = 16
N = 4
N = 93
N = 3
N = 1
N = 5
N = 1
N = 17
N = 3
N = 7
N = 16
N = 12
N = 20
N = 13
N = 2
N = 21
N = 20
N = 66
N = 58

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Structural geology profile Bözberg-2-1, 1:100, 250.00 m to 525.00 m MD log depth

Dossier V	DAT.: Apr. 2022	Appendix C-1