Data set of mini-frac tests at the Bedretto Lab (SB boreholes)

Dataset

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Publication date:
2021

Permanent link:
https://doi.org/10.3929/ethz-b-000463936

Depth [m]	08:00	10:00	12:00	14:00	16:00	18:00	20:00	22:00	00:00	02:00	04:00	06:00
1												
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7												
8												
9												
10												
11												
12												
13												
14												
15			HF, RF 1-5*		IP							
16												
17												
18		a) HF, RF 1-4		IP								
19												
20	HF, RF 1-4		IP									
21												
22												
23												
24	a) HF, RF 1-4		IP			b) RF 5 (overnight shut-in)						
25												
26					HF**							
27						HF**						
28												
29												
30												

SB1.1 — 18.12.2018 / 19.12.2018

HF = Hydraulic-Fracturing Test
RF = Refrac-Cycle
IP = Impression Packer Test
DF = Dry Fracturing
DR = Dry Re-Opening

NOTE: RF 4 is always a step-rate test

The letters (a, b, c) refer to the filename that the data is saved in. No letter means that there is just one file for that interval.

* = RF4 and 5 are step-rate tests
** = test abandoned due to stimulation of pre-existing fracture and increase of fluid flow out of borehole

19.01.2021

1

				21.01.2019						22.01.2019							
08:00		10:00	16:00		18:00	20:00	22:00	00:00	02:00	04:00	06:00	08:00	10:00	12:00			
		DF, DR 1-3															
	DR 1-3																
	DR 1-2				b) RF 5 (overnight shut-in)										Dilatometer Test		
	DR 1-3																
DR 1-3			c) RF 6 (1h shut-in)														

SB2.1	23.01.2019				24.01.2019					05.02.2019	
Depth [m]	16:00	18:00	20:00	22:00	00:00	02:00	04:00	06:00	08:00	14:00	16:00
1											
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12											
13		a) HF, RF 1-4									DR 1-3
14											
15											
16										a) HF, RF 1-4	DR 1-3
17											
18		a) HF (overnight shut-in)							b) RF 1-3 (1h shut-in)	DR 1-3	
19											
20											
21											
22											
23										a) HF, RF 1-4	DR 1-3
24											
25	a) HF, RF 1-4									DR 1-3	
26											
27											
28											
29											
30											

HF = Hydraulic-Fracturing Test
RF = Refrac-Cycle
DR = Dry Re-Opening

NOTE: RF 4 is always a step-rate test

The letters (a, b, c) refer to the filename that the data is saved in. No letter means that there is just one file for that interval.

		04.07.2019						05.07.2019				
	12:00	14:00	16:00	18:00	20:00	22:00	00:00	02:00	04:00	06:00	08:00
		b) RF 5*		**c) RF 6** (overnight shut-in)							
		Dilatometer Test									
		b) RF 5*									
	c) RF 4*										
	b) RF 5*		Dilatometer Test								
b) RF 5*											

* = with 2 lpm / V=10 l

SB3.1	05.02.2019			06.02.2019								10.04.2019		
Depth [m]	18:00	20:00	22:00	00:00	02:00	04:00	06:00	08:00		10:00		14:00		16:00
1														
2														
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7														
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11														
12										HF, RF 1-4		DR 1-3		
13														
14														
15														
16									HF, RF 1-4			DR 1-3		
17														
18														
19														
20									HF, RF 1-4			DR 1-3		
21														
22														
23														
24								HF, RF 1-4				DR 1-3		
25														
26														
27														
28	a) HF (overnight shut-in)							b) RF 1-4 (1h shut-in)				DR 1-3		
29														
30														

HF = Hydraulic-Fracturing Test
RF = Refrac-Cycle
DR = Dry Re-Opening

NOTE: RF 4 is always a step-rate test

The letters (a, b, c) refer to the filename that the data is saved in. No letter means that there is just one file for that interval.

SB4.1	10.04.2019			16.05.2019						17.05.2019				
Depth [m]	18:00	20:00	14:00	16:00	18:00	20:00	22:00	00:00	02:00	04:00	06:00	08:00		
1														
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11														
12		HF, RF 1-4												
13														
14														
15														
16		HF, RF 1-4												
17														
18														
19														
20	HF, RF 1-4													
21														
22			Dilatometer Test											
23														
24	a) HF, RF 1-4				b) RF 5	c) RF 6 (overnight shut-in)								
25					(1h shut-in)									
26														
27														
28	a) HF, RF 1-4				b) RF 5*									
29					(15min shut-in)									
30														

HF = Hydraulic-Fracturing Test
RF = Refrac-Cycle
DR = Dry Re-Opening

NOTE: RF 4 is always a step-rate test

The letters (a, b, c) refer to the filename that the data is saved in. No letter means that there is just one file for that interval.

* = test abandoned due to significant pressure fall-off

	10:00		12:00
		DR 1-3	
		DR 1-3	
		DR 1-3	
		DR 1-3	
		DR 1-3	