



SOIL BORING LOG

PROJECT NUMBER: 428074

BORING NUMBER: PC07

SHEET 1 OF 2

PROJECT : HCU

LOCATION : Cernay, France (963888.06 N, 322397.23 E)

ELEVATION : 287.66 m

DRILLING CONTRACTOR : Hettmannsperger

DRILLING METHOD AND EQUIPMENT : Cable tool

WATER LEVELS : 5.30 m below ground surface

START : 23/01/2013

END : 24/01/2013

LOGGER : S. Julia

DEPTH BELOW EXISTING GRADE (m)	INTERVAL (m)		SOIL DESCRIPTION SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	SYMBOLIC LOG	PID-10.6 (ppm)	PID-11.7 (ppm)	COMMENTS	WELL DIAGRAM
		RECOVERY (%)						
287.7			Pre-drilling by vacuum excavation					250mm diameter OTT cover
1 286.7								Cement grout
2 285.7								
3 284.7								
4 283.7	4.00	100%	3.0-5.0m: SAND (SW) Reddish brown (5YR 5/4) well-graded sand (mostly; 50%) with gravel (some; 40%), silt/clay (trace; 4-5%) and cobbles (trace; 5% ; >10cm ; 4 per meter). Sand is mostly medium, angular. Gravel is fine to coarse. Moist.					Bentonite (chips)
5 282.7	5.00	100%						
6 281.7	6.00	100%	5.0-6.5m: SAND (SW) Yellowish brown (10YR 5/6) sand (mostly; 50%) with gravel (some; 40%), silt/clay (trace; 4-5%) and cobbles (trace; 5% ; >10cm ; 4 per meter). Sand is mostly medium, angular, well-graded, assorted. Gravel is fine to coarse, well-graded, assorted. Sticky. Moist.				Water entry: 5.3mbgs	
7 280.7	7.00	100%	> 5.3-6.0m: Layer of dark yellowish brown (10YR 4/6) with more gravel (2-3cm to >10cm). Wet. > 5.5-6.0m: Cobbles size increases. > 6.0-6.5m: Yellowish brown (5YR 5/6) well-graded sand (mostly; 50%) with gravel (some; 40%), silt (trace; 4%) and cobbles (trace; 6% ; >10cm ; 4 per meter). Sand is medium to coarse, angular. Gravel is fine to coarse. Wet.					
8 280.7	8.00	100%						

04131X0658/PC07



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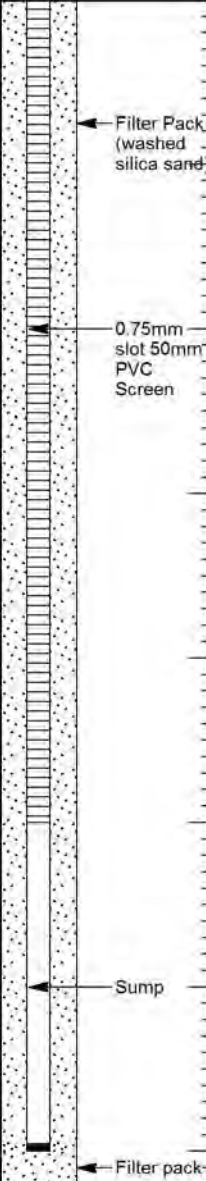


DRILLING METHOD AND EQUIPMENT : Cable tool

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			RECOVERY (%)						
279.7				6.5-13.0m: SAND & GRAVEL (GW/SW) Dark yellowish brown (10YR 4/6) well-graded sand (mostly; 50%) and gravel (mostly; 50%) with cobbles and silt (trace; <1%). Sand is medium, angular. Gravel is fine to coarse, subangular. Wet.					
9	9.00		100%						
278.7			100%						
10	10.00		100%						
277.7			100%						
11	11.00		100%	13.0-13.3m: SAND & GRAVEL (GW/SW-GM/SM) Yellowish brown (10YR 5/6) well-graded sand and gravel with silt. Wet. 13.3-15.2m: SILT (ML) Yellowish brown (10YR 5/6) silt with sand and gravel. > 13.3-13.5m: Soft, moist. > 13.5-15m: Hard					
276.7			100%						
12	12.00		100%						
275.7			100%						
13	13.00		100%						
274.7			100%	Bottom of Boring at 15.20 m below ground surface					
14	14.00		100%						
273.7			100%						
15	15.00								
272.7									

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