



# SOIL BORING LOG

PROJECT NUMBER: 428074

BORING NUMBER: P65

SHEET 1 OF 2

PROJECT : HCU

LOCATION : Cernay, France (963917.15 N, 322329.66 E)

ELEVATION : 288.37 m

DRILLING CONTRACTOR : Hettmannsperger

DRILLING METHOD AND EQUIPMENT : Cable tool

WATER LEVELS : 4.70 m below ground surface

START : 19/12/2012

END : 19/12/2012

LOGGER : N. Cavaleri

DEPTH BELOW EXISTING GRADE (m)	INTERVAL (m)		RECOVERY (%)	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
288.4				Pre-drilling by vacuum excavation					<div><div></div><div>50mm diameter OTT cover</div><div></div><div>Cement grout</div></div>
1 287.4									
2 286.4									
3 285.4			100%	<b>3.0-5.0m: SAND &amp; GRAVEL (GW/SW)</b> Yellowish red (5YR 4/6) well-graded sand and gravel with cobbles and silt (trace). Sand is mostly medium, subangular. Gravel is fine to coarse. Moist.					<div></div> <div>Bentonite (chips)</div>
4 284.4	4.00		100%	> 3.3-3.7m: Transition to well-graded silty sand with gravel (Little; 20%). Sand is mostly medium. Moist.  > 3.7m: Silt content decreases  > 3.9m: Presence of cobbles				Water level: 4.7mbgs  Water entry: 5.0mbgs	
5 283.4	5.00		100%	> 4.0-6.7m: Transition to well-graded sand and gravel with cobble (up to 20cm) and silt (trace). Sand is mostly medium. Gravel is fine to coarse, subangular. Moist. <b>5.0-7.7m: SAND &amp; GRAVEL (GW/SW)</b> Dark yellowish brown (10YR 4/6) well-graded sand and gravel with cobble (up to 20cm) and silt (trace). Sand is fine to coarse, subangular. Wet.					
6 282.4	6.00		100%						
7 281.4	7.00		100%	> 6.7-7.2m: Transition to well-graded sand with gravel. Sand is fine to medium, subangular. Gravel is fine to coarse. Wet.  > 7.2-7.7m: Transition to well-graded sand and gravel with cobbles and silt (trace). Wet.					
8 8.00	8.00								

04131X0653/P65



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		RECOVERY (%)						
280.4			<b>7.7-13.35m: GRAVEL (GW)</b> Dark greyish brown (10 YR 4/2) well-graded gravel with sand and cobbles. Sand is medium, subangular. Gravel is fine to coarse. Wet.					
9	9.00	100%						
279.4								
10	10.00	100%						
278.4			> 10.0m: Cobbles size increases.					
11	11.00	100%						
277.4			> 11.0-13.35m: Transition to well-graded sand and gravel with cobbles.					
12	12.00	100%						
276.4			>11.9-12.1m: Layer of fine sand.					
13	13.00	100%						
275.4								
14	14.00	100%	<b>13.35-14.0m: SILT (ML)</b> Dark yellowish brown (10YR 4/6) silt with sand and gravel. Hard. Moist.					
274.4			Bottom of Boring at 14.00 m below ground surface					

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