

Triaxial cell consolidation : consolidation readings									
Location						Job ref.			
						Borehole/Pit no.			
Soil description						Sample No.			
						Depth		m	
						Date			
Test method BS1377: Part 6: 1990 : <b>5.5.2</b>									
Date started			Completed			Stage no.			
Pressure system no.			Cell no.			Nominal effective stress kPa			
Required effective stress $\sigma'$ kPa						<b>PORE PRESSURE BUILD-UP</b>			
Cell pressure $\sigma_a$ kPa						Time min		Pore pressure kPa	
Back pressure $u_b$ kPa									
Pore pressure after build-up $u_i$ kPa									
Excess pore pressure $(u_i - u_b)$ kPa									
Initial diameter		$D_o$ mm							
Length		$L_o$ mm							
Area		$A_o$ mm <sup>2</sup>							
Volume		$V_o$ mm <sup>3</sup>							
Average test temperature						°C			
<b>CONSOLIDATION DATA</b>									
Date	Clock time	Elapsed time t min	/ t	Volume change indicator		Pore pressure		Dissipation	
				Value mL	difference mL	Reading u kPa	Difference ( $u_i - u$ )	U %	
Final difference = $dV =$									
total consolidation volume change									
						Operator		Checked	
						Approved			