

Hydraulic cell consolidation test : saturation									
Location						Job ref.			
						Borehole/Pit no.			
Soil description						Sample No.			
						Depth		m	
						Date			
Test method BS1377: Part 6: 1990 : 3.5,3.6,3.7,3.8									
Drainage conditions									
Pore pressure measurement location					Cell no. Pressure system no.				
INITIAL CONDITIONS									
Diaphragm seating pressure			p_{do} kPa				Compression gauge		
Pressure on specimen			kPa				Back pressure		kPa
Pore pressure			u_o kPa				Volume change indicator		mL
SWELL PRESSURE*									
Diaphragm pressure to resist swell			kPa						
Pressure on specimen			kPa						
Back Pressure			kPa						
Effective swelling pressure			kPa						
SATURATION									
Diaphragm Pressure ρ kPa	Pressure on specimen		Back pressure kPa	Pore pressure		$\delta u / \delta \sigma$	Volume change indicator		
	value σ kPa	increment $\delta \sigma$ kPa		reading u kPa	difference δu kPa		before mL	after mL	difference mL
Total water taken up* ml									
Operator					Checked		Approved		