



Norwest Holst Soil Engineering Ltd.						BOREHOLE LOG		Borehole No. 7048	
Contract No. F9553		Method Cable Percussion		Sheet 1 of 1		SK47SW 227		Coords E 444,113 N 370,105	
Location Arkwright Colliery		Borehole Diam (mm)150		Date 09/07/92 10/07/92		Ground Level 92.77 m.A.O.D			
Client British Coal		Consultant							
Description of Strata	Legend	Depth Below G.L.(m)	O.D. Level (m)	Sampling & Insitu		Testing ( ) & N SCR RQD	Ground Water	Piezometer/ Standpipe	
				Depth(m)	TCR				
TOPSOIL.		0.10	92.67	J 0.10	0.50				
Medium dense yellowish brown slightly clayey silty fine SAND with occasional medium gravel. (Completely weathered sandstone)				U 0.50	0.95	(149)			
--- from 0.95m becoming grey with some fine to coarse gravel of sandstone				J 0.95	1.10				
				J 1.40	1.60				
				SB 2.00	2.60	*14"NR			
Reddish brown highly weathered fine SANDSTONE very weak.		2.60	90.17	B 2.60	4.10				
				SB 4.10	4.80	*50"for 70mmNR			
--- from 4.80m becoming moderately to slightly weathered				B 4.80	5.05				
Borehole complete at 5.10m.		5.10	87.67	C 5.05	5.10	*50"for 75mm*			
Daily Progress									
Date	Final Depth (m) of:			Hard Strata		Comments		Logged by:	
	Borehole	Water	Casing	Depth(m)	Time				
9/7/92 10/7/92	5.10		3.00	4.80-5.05 5.10-5.40	1 hour 1hr30min				
Casing maintained just above base of borehole unless stated									
Sample and Test Key	J Small Disturbed Sample	S Standard Penetration Test	S.P.T. or C.P.T.	N for full 300mm penetration		Rotary Core Run		Ground Water	
	B Bulk Disturbed Sample	C Cone Penetration Test	.../200	For given penetration		T.C.R. Total Core Recovery (%)		1 → First Water Strike	
	U Undisturbed U100 Sample	V Insitu Vane Test	.../25*	Seating blows only		S.C.R. Solid Core Recovery (%)		2 → Subsequent Water Strike	
	W Water Sample	K Permeability Test	N.P.	No Penetration		R.Q.D. Rock Quality Designation (%)		— m/pm Standing Level	
	N.R. No Recovery	Q Blows to drive U100						Level 20mins after strike	
								Piezometer	
								Upper Seal	
								Sand Cell	
								Piezometer Tip	
								Lower Seal	
								Grout	