



Norwest Holst Soil Engineering Ltd.						BOREHOLE LOG		Borehole No. 7045	
Contract No. F9553		Method Cable Percussion		Sheet 1 of 1 <i>SK47SW 223</i>		Coords E 444,002 N 371,195			
Location Arkwright Colliery		Borehole Diam (mm) 150		Ground Level 92.14 m.A.O.D					
Client British Coal		Date 10/07/92 13/07/92							
Consultant									
Description of Strata	Legend	Depth Below G.L. (m)	O.D. Level (m)	Sampling & Insitu Testing		Ground Water	Piezometer/ Standpipe		
				Depth (m)	TCR (%) & N SCR RQD				
TOPSOIL.				J 0.00	0.30				
MADE GROUND: Dark grey clayey mudstone with some fine to medium gravel sized coal fragments.		0.30	91.84	J 0.30	0.50				
U 0.50		0.95	(100)						
--- from 0.95m with some fine to coarse gravel sized fragments		J 0.95	1.10						
--- from 1.40m to 3.95m becoming dark grey clay with some fine to medium gravel sized coal and mudstone fragments		J 1.40	1.60						
		SB 2.00	3.50	"6"					
		U 3.50	3.95	(150)					
--- from 3.95m becoming black clayey carbonaceous mudstone.		J 3.95	4.10						
		J 4.60	4.80						
		S 5.60	5.70						
Borehole complete at 6.30m.			6.30	85.84					
Daily Progress		Hard Strata		Comments		Logged by:			
Date	Final Depth (m) of:		Depth (m)	Time					
	Borehole	Water	Casing						
10/7/92	5.70	Dry	3.00	4.80-5.60	Borehole dry whilst drilling.				
13/7/92	6.30	Dry	4.50	5.70-6.30					
					Casing maintained just above base of borehole unless stated				
Sample and Test Key	J Small Disturbed Sample	S Standard Penetration Test	S.P.T. "N" for full	Rotary Core Run	Ground Water		Piezometer		
	B Bulk Disturbed Sample	C Cone Penetration Test	or C.P.T. 300mm penetration	T.C.R. Total Core Recovery (%)	1 → First Water Strike		Upper Seal		
	V Insitu Vane Test	PR Pressuremeter Test	.../200 For given penetration	S.C.R. Solid Core Recovery (%)	→ Subsequent Water Strike		Sand Cell		
	W Water Sample	K Permeability Test	.../25* Seating blows only	R.O.D. Rock Quality Designation (%)	— cm/pm Standing Level		Piezometer Tip		
	N.R. No Recovery	I Blows to drive U100	N.P. No Penetration		Level 20min after strike		Lower Seal		
					Casing Depth		Grout		