

 <b>Norwest Holst Soil Engineering Ltd.</b>		<b>BOREHOLE LOG</b>		Borehole No. <b>7047</b>				
Contract No. F9553 Location Arkwright Colliery		Method Cable Percussion Borehole Diam (mm) 150		Sheet 1 of 1 <b>SK47SW 226</b> Coords E 444,036 N 370,511				
Client British Coal Consultant		Date 03/07/92 04/07/92		Ground Level 97.79 m.A.O.D				
Description of Strata		Legend	Depth Below G.L.(m)	O.D. Level (m)	Sampling & Insitu Testing Depth(m) TCR SCR RQP	( ) & N	Ground Water	Piezometer Standpipe
TOPSOIL.			0.20	97.59				
Firm orange brown mottled grey silty CLAY.					J 0.40			
Stiff brown mottled grey silty CLAY with some fine and medium gravel sized lithorelicts of siltstone.			0.70	97.09	J 0.70 U 0.80	1.30	(50)	
Grey and dark grey mottled moderately weathered MUDSTONE very weak with laminations and nodules of siltstone.			2.00	95.79	U 1.80	2.30	(60)	
Grey and orange brown moderately weathered MUDSTONE very weak to weak.			2.50	95.29				
Borehole complete at 3.50m.			3.50	94.29	S 3.00	3.50	"137" for 263mm	
Daily Progress		Hard Strata		Comments		Logged by:		
Date	Final Depth (m) of:		Depth(m)	Time				
	Borehole	Water	Casing					
03/07/92	3.50	Dry	2.00	3.00-3.50	1 hour	Borehole dry whilst drilling.		
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	C.P.T. 300mm penetration	T.C.R. Total Core Recovery (%)		1 → First Water Strike		Upper Seal
	U Undisturbed U100 Sample	V Insitu Vane Test	.../200 For given penetration	S.C.R. Solid Core Recovery (%)		2 → Subsequent Water Strike		Sand Cell
	W Water Sample	PR Presurometer Test	.../25° Seating blows only	R.Q.D. Rock Quality Designation (%)		— sin/pm Standing Level		Piezometer Tip
	N.R. No Recovery	D Blows to drive U100	N.P. No Penetration	Level 20mins after strike		[ ] Casing Depth		Lower Seal
								Grout