Norwest Holst Soil Engineering Ltd.

BOREHOLE LOG — Borehole No. 7047

Contract No. F9553 — Method Cable Percussion

Location Arkwright Colliery — Sheet 1 of 1 SK47SW 226

Borehole Diam (mm) 150 — 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	( ) & N SCR RQD	Ground Water	Piezometer/ Standpipe
TOPSOIL.		0.20	97.59						
Firm orange brown mottled grey silty CLAY.		0.70	97.09	J	0.40				
Stiff brown mottled grey silty CLAY with some fine and medium gravel sized lithorelicts of siltstone.		2.00	95.79	J U J U	0.70 0.80 1.30 1.80	1.30 2.30	(50) (60)		
Grey and dark grey mottled moderately weathered MUDSTONE very weak with laminations and nodules of siltstone.		2.50	95.29						
Grey and orange brown moderately weathered MUDSTONE very weak to weak.				S	3.00	3.50	"137"for 263mm		
Borehole complete at 3.50m.		3.50	94.29						

Daily Progress				Hard Strata		Comments	Logged by:
Date	Final Depth (m) of: Borehole	Water	Casing	Depth(m)	Time	Borehole dry whilst drilling.	
03/07/92	3.50	Dry	2.00	3.00-3.50	1 hour		

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: 1 → First Water Strike
B Bulk Disturbed Sample	C Cone Penetration Test			T.C.R. Total Core Recovery (%)	2 → Subsequent Water Strike
U Undisturbed U100 Sample	V Insitu Vane Test	../200	For given penetration	S.C.R. Solid Core Recovery (%)	am/pm Standing Level
W Water Sample	PR Pressuremeter Test	../25"	Seating blows only	R.Q.D. Rock Quality Designation (%)	Level 20mins after strike
N.R. No Recovery	K Permeability Test	N.P.	No Penetration		[] Casing Depth
	[] Blows to drive U100				

Piezometer: Upper Seal; Sand Cell; Piezometer Tip; Lower Seal Grout