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.								
Firm orange brown mottled grey silty CLAY.		0.20	97.59	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)		
				J 1.30				
				U 1.80	2.30	(60)		
Grey and dark grey mottled moderately weathered MUDSTONE very weak with laminations and nodules of siltstone.		2.00	95.79					
Grey and orange brown moderately weathered MUDSTONE very weak to weak.		2.50	95.29	S 3.00	3.50	"137"for 263mm		
Borehole complete at 3.50m.		3.50	94.29					

Daily Progress

Date	Final Depth (m) of: Borehole	Water	Casing
03/07/92	3.50	Dry	2.00

Hard Strata

Depth(m)	Time
3.00-3.50	1 hour

Comments

Borehole dry whilst drilling.

Logged by:

Casing maintained just above base of borehole unless stated

Sample and Test Key

- J Small Disturbed Sample
- B Bulk Disturbed Sample
- U Undisturbed U100 Sample
- W Water Sample
- N.R. No Recovery
- S Standard Penetration Test
- C Cone Penetration Test
- V Insitu Vane Test
- PR Pressuremeter Test
- K Permeability Test
- () Blows to drive U100
- S.P.T. or C.P.T. '' N for full 300mm penetration
- ../200 For given penetration
- ../25' Seating blows only
- N.P. No Penetration
- Rotary Core Run
- T.C.R. Total Core Recovery (%)
- S.C.R. Solid Core Recovery (%)
- R.Q.D. Rock Quality Designation (%)

Ground Water

- 1→ First Water Strike
- 2→ Subsequent Water Strike
- am/pm Standing Level
- Level 20mins after strike
- Casing Depth

Piezometer

- Upper Seal
- Sand Cell
- Piezometer Tip
- Lower Seal Grout