Norwest Holst Soil Engineering Ltd.

BOREHOLE LOG

Borehole No. 7045

Contract No. F9553
Location Arkwright Colliery
Client British Coal
Consultant

Method Cable Percussion
Borehole Diam (mm) 150
Date 10/07/92 13/07/92

Sheet 1 of 1 SK47SW 223
Coords E 444,002 N 371,195
Ground Level 92.14 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.				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: Borehole	Water	Casing	Depth(m)	Time	Borehole dry whilst drilling.	
10/7/92	5.70	Dry	3.00	4.90-5.60	1hr45min		
13/7/92	6.30	Dry	4.50	5.70-6.30	2hr30min		

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