



| Norwest Holst Soil Engineering Ltd. | | | | | BOREHOLE LOG | | Borehole No. 7050 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------------|-------------------------------|-------------------------------------|--------------|-------------------------------|-------------------|-----------------------|----------------|--|--|-------------|--|----------|--|------------|--|------|---------------------|--|--|----------|------|--|--|--|--|----------|-------|--------|--|--|--|--|--|---------|------|-----|------|-----------|--------|-------------------------------|--|--|-------------------------------------------------------------|--|--|--|--|--|--|--|--|
| Contract No. F9553 | | Method Cable Percussion | | Sheet 1 of 1 SK46NW 213 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Location Arkwright Colliery | | Borehole Diam (mm)150 | | Coords E 443,940 N 369,824 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Client British Coal | | Date 13/07/92 | | Ground Level 98.53 m.A.O.D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Consultant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Description of Strata | Legend | Depth Below G.L.(m) | O.D. Level (m) | Sampling & Insitu Testing | | | Ground Water | Piezometer/ Standpipe | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOPSOIL. | | 0.30 | 98.23 | U | 0.50 | 0.95 | (50) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Grey and brown moderately to highly weathered interlaminated MUDSTONE and SILTSTONE very weak. | | 1.15 | 97.38 | J | 1.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Grey and brown moderately to slightly weathered laminated SILTSTONE very weak. | | 1.80 | 96.73 | S | 1.50 | 1.80 | *72"for 150mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Grey slightly weathered silty fine SANDSTONE weak. | | 2.60 | 95.93 | B | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Borehole complete at 2.60m. | | | | S | 2.40 | 2.60 | *50"for 70mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th colspan="3">Daily Progress</th> <th colspan="2">Hard Strata</th> <th colspan="2">Comments</th> <th colspan="2">Logged by:</th> </tr> <tr> <th>Date</th> <th colspan="3">Final Depth (m) of:</th> <th>Depth(m)</th> <th>Time</th> <th colspan="3"></th> </tr> <tr> <td></td> <td>Borehole</td> <td>Water</td> <td>Casing</td> <td></td> <td></td> <td colspan="3"></td> </tr> </thead> <tbody> <tr> <td>13/7/92</td> <td>2.60</td> <td>Dry</td> <td>1.50</td> <td>1.80-2.40</td> <td>1 hour</td> <td colspan="3">Borehole dry whilst drilling.</td> </tr> <tr> <td colspan="9">Casing maintained just above base of borehole unless stated</td> </tr> </tbody> </table> | | | | | | | | | Daily Progress | | | Hard Strata | | Comments | | Logged by: | | Date | Final Depth (m) of: | | | Depth(m) | Time | | | | | Borehole | Water | Casing | | | | | | 13/7/92 | 2.60 | Dry | 1.50 | 1.80-2.40 | 1 hour | Borehole dry whilst drilling. | | | Casing maintained just above base of borehole unless stated | | | | | | | | |
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| | Borehole | Water | Casing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 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 Pressuremeter Test | .../25" Seating blows only | R.Q.D. Rock Quality Designation (%) | | — em/pm Standing Level | | Piezometer Tip | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | N.R. No Recovery | D Blows to drive U100 | N.P. No Penetration | | | Σ Level 20mins after strike | | Lower Seal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | (I) Casing Depth | | Grout | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |