



RECORD OF BOREHOLE NO. 564

Ground level : 350.9ft. above O.D. Newlyn (8.7.63)

Dis. of boring : 8in. to 17ft.
NX (2 1/2 in. core) to 20ft.

Type of boring : Shell and Auger and
Rotary Core Drilling

Lining tubes : 8in. to 5ft.
NX (3in.) to 21ft.

| Daily Program | Core Recovery or Samples | | Change of Strata | | | Description of Strata |
|------------------|-----------------------------|------------------------------|------------------|-------|------------|--|
| | Depth | Percentage age or type | Legend | Depth | O.D. level | |
| | 2'6" | D | | 2'0" | 348.9 | TOPSOIL |
| | 3'6" | D | | 3'6" | 347.4 | Fine brown silty CLAY with some sandstone fragments |
| | 3'6" - 5'0" | BD | | 5'0" | 345.9 | Stiff mottled grey and brown silty CLAY |
| | 5'0" - 6'6" | U(1) | | | | |
| | 6'6" | D | | | | Weathered grey-brown argillaceous fine SANDSTONE |
| | 7'0" | D | | | | |
| | 7'0" - 10'0" | BD | | 10'0" | 340.9 | |
| | 10'6" | D | | | | |
| | 13'0" | D | | | | |
| 3.5.63 | 10'0" - 17'0" | BD | | | | Grey silty SHALE, weathered at top, with occasional ironstone, becoming dark and coaly at base |
| | 17'0" | | | | | |
| | 23'0" | Has Corelog | | | | |
| | 25'0" | 98% | | 25'2" | 324.7 | |
| | 28'0" | 98% | | 28'2" | 322.7 | Shaly COAL |
| | 30'0" | 98% | | 30'5" | 320.6 | SEATEARTH, with ironstone nodules |
| | 35'0" | 77% | | | | Thinly interbedded SHALES and argillaceous fine SANDSTONES |
| | 35'0" | 50% | | 36'6" | 318.4 | |
| 17.5.63 | 40'0" | | | 40'0" | 310.9 | Grey SHALE |

Key to type of sample :

U (4) — 4 in. dia. undisturbed sample.
U (1 1/2) — 1 1/2 in. dia. —
disturbed sample.
BD — bulk disturbed sample.
W — water sample.
S { — standard penetration test.
C { — dynamic cone penetration
test.
No. in brackets gives
No. of blows/12 in. penetration.

Remarks : (Observations on ground-water, etc.)

Ground-water was first encountered at depth of 10ft. below ground level.
Sample of ground-water taken.

MINISTRY OF TRANSPORT
LONDON-YORKSHIRE MOTORWAY
TROWELL TO BARLBOROUGH SECTION

Scale No :
3/3887

FIG. 176

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CENTRAL LABORATORY

HAYE



GEOLOGICAL SURVEY OF GREAT BRITAIN

RECORD OF SHAFT OR BORE FOR MINERALS

Name of Shaft or Bore given by Geological Survey:

London - (London) Watering In no 564.

Name and Number given by owner:

For whom made

Town or Village County

Exact site

Attach a tracing from
a map, or a sketch-
map, if possible.

Purpose for which made

Ground Level at shaft
bore relative to O.D.

If not ground level give O.D. of beginning of shaft
bore

Made by

Date of sinking 1963

Information from Joe Samples

Date received 1963

Examined by D. I. 1963

(For Survey use only)

6-inch Map Registered No.

SK45NW 228

Nat. Grid Reference

4473 5770

1" N.S. Map
No.

1" O.S. Map
No.

Confidential
or not

SPECIMEN NUMBERS AND ADDITIONAL NOTES

| (For Survey use only) GEOLOGICAL CLASSIFICATION | DESCRIPTION OF STRATA | THICKNESS | | DEPTH | |
|---|--|-----------|-----|-------|-----|
| | | FT | IN. | FT | IN. |
| Joe Samples | Clay, brown, silty | | | 2 | 6 |
| | Clay, brown, slightly silty | | | 3 | 6 |
| | Sandstone, greenish brown, soft. | | | 6 | 6 |
| | Sandstone, brown, soft. | | | 7 | 0 |
| | Hardstone, grey, silty | | | 10 | 6 |
| | Hardstone, grey, silty, with silty sandstone laminae | | | 15 | 0 |
| | | | | 21 | 0 |
| | Hardstone, grey, silty, with transition sand up to 2 1/2' thick | 4 | 0 | 25 | 0 |
| | Hardstone, grey | 1 | 2 | 26 | 2 |
| 1. Unsat. | Coal | 2 | 0 | 28 | 2 |
| | Darkish brownstone, grey - dark grey, with transition nodules of base. | 1 | 10 | 30 | 0 |
| | Hardstone, grey, silty, with sandy sandstone in laminae 3 1/2' - 3 5/8' | | | | |
| | Transition sandstone, carbonaceous plant fragments | 7 | 0 | 37 | 0 |
| | Hardstone, grey | 3 | 0 | 40 | 0 |
| | Base of Hole. | | | | |