



GEOLOGICAL SURVEY OF GREAT BRITAIN

RECORD OF SHAFT OR BORE FOR MINERALS

Name of Shaft or Bore given by Geological Survey:

LONDON-YORKSHIRE

597A

Name and Number given by owner:

MOTORWAY

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

for Samples, Cars

Date received 1963

Examined by

D. J. Frost C. G. Bradley

(For Survey use only)

6-inch Map Registered No.

46NE
SK46NE76

Nat. Grid Reference

4522 6526

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. |
| for Samples. | Clay, grey-brown mottled, sandy. | | | 2 | 6 |
| | Clay, yellow-grey, incl carbonaceous material. | | | 4 | 6 |
| | Clay, blue-grey, with transition sands. | | | 5 | 6 |
| | Clay, grey-brown. | | | 7 | 6 |
| | Transition grey, silty, with ferruginous clay. | | | 12 | 6 |
| | Transition grey, with silty laminae. | | | 14 | 0 |
| | Sandstone, grey, fine grained. | | | 15 | 0 |
| | Sparsely carbonaceous micaceous pebbles. | | | | |
| | Plant fragments (carbonaceous) sparsely. | 1 | 0 | 16 | 0 |
| | Transition grey. | | | | |
| | Sparsely transition nodules, and bands (up to 2" thick). | 24 | 0 | 40 | 0 |
| | 3 sets of Holes. | | | | |

3740251
RECORD OF BOREHOLE NO. 597A





Ground level : 317.5ft. above O.D. Newlyn (2.4.63)

8 in. to 15 ft.

Dia. of boring: 8X (1⁸/₈ in. core) to 40ft.

Type of boring: Shell and Auger and Rotary Core Drilling

Lining tubes : BX (28 in.) to 15ft.

| Daily Progress | Core Recovery or Sample | | Change of Strata | | | Description of Strata | COAL MEASURES |
|--|---|--|---|----------------------------|------------|---|---------------|
| | Depth | Percentage of type | Legend | Depth | O.D. Level | | |
| | 1'0" - 2'6" 2'6" - 3'0" 3'0" - 4'6" 4'6" - 5'6" 5'6" - 7'6" 7'6" - 11'0" | U(N) D U(N) D D U(N) D |  | 0'0" 316.7 10'0" 307.5 | | TOPSOIL Soft becoming stiff mottled grey and brown silty CLAY with some shale fragments, occasional coal fragments | |
| 20.3.63 | 11'0" - 12'6" 12'6" - 14'0" 14'0" - 15'0" 15'0" - 16'0" | U(N) D D BD |  | 15'0" 302.5 16'0" 301.5 | | Very stiff grey shaly silty CLAY becoming weathered grey silty shale below about 12ft. depth. Gray fine SANDSTONE | |
| 1.8.63 | 35'0" | 70% |  | | | Dark grey SHALE | |
| 2.4.63 | 40'0" | 60% |  | 40'0" 277.5 | | | |
| Key to type of sample: | | | Remarks: (Observations on ground-water, etc.) | | | | |
| U (4) — 4 in. dia. undisturbed sample. U (1½) — 1½ in. dia. " " D — 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. | | | Ground-water was first encountered at depth of 11ft. below ground level & unable to recover sample. | | | | |
| MINISTRY OF TRANSPORT LONDON-YORKSHIRE MOTORWAY TROWELL TO BARLBOROUGH SECTION | | | | | | Soils No.: S/3547 FIG. 227 | |
| GEORGE WIMPEY & CO., LTD. | | | | | | CENTRAL LABORATORY | |
| | | | | | | HAYES | |

[illegible]

RECORD OF BOREHOLE NO. 537B

Ground level : 322.3ft. above O.D. Newlyn (2.4.63)

Dia. of boring : 8in.

Type of boring : Shell and Auger

Lining tubes : 8in. to 19ft.

| Daily Progress | Core Recovery or Sample | | Change of Strata | | | Description of Strata |
|----------------|-------------------------|----------------------|------------------|-------|------------|--|
| | Depth | Per cent age or type | Legend | Depth | O.D. level | |
| | | | | 1'0" | 322.3 | TOPSOIL |
| | 1'6" - 3'0" | U(4) D | | | | Firm yellow-brown sandy silty CLAY with some fragments of sandstone |
| | 3'0" - 5'0" | BD | | 7'0" | 315.3 | |
| | 6'6" - 8'0" | U(4) D | | | | COAL and shaly COAL |
| | 8'0" - 10'0" | BD | | 11'6" | 310.8 | |
| | 11'6" - 13'0" | U(4) D | | | | Stiff grey silty CLAY with fragments and bands of weathered grey shale |
| | 13'0" - 15'0" | D | | 17'0" | 305.3 | |
| 20.3.63 | 15'0" - 17'0" | D | | | | |
| | 17'0" - 19'0" | D | | | | |
| | 19'0" - 23'0" | BD | | | | Grey-brown fine SANDSTONE |
| | 23'0" - 25'0" | D | | 25'0" | 297.3 | |
| | 25'0" - 26'6" | BD | | | | |
| | 26'6" - 30'0" | U(4) D | | | | |
| 6.4.63 | 30'0" - 31'6" | U(4) D | | | | Stiff to very stiff grey shaly silty CLAY with bands of weathered grey shale |
| | 31'6" - 35'0" | U(4) D | | | | |
| | 35'0" - 36'0" | D | | 39'3" | 283.0 | |
| | 36'0" - 38'0" | BD | | | | |
| 8.4.63 | 38'0" - 39'0" | D | | 40'0" | 282.3 | Grey and brown SANDSTONE |
| | 39'0" - 40'0" | D | | | | |

Key to type of sample :

U (4) — 4 in. dia. undisturbed sample.
U (1½) — 1½ in. dia. " "
D — 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 8ft. below ground level.
as Full penetration of sampler not attained.

MINISTRY OF TRANSPORT
LONDON-YORKSHIRE MOTORWAY
TROWELL TO BARLBOROUGH SECTION

Soils No :
3/3547

FIG.228