



| GEOLOGICAL SURVEY OF GREAT BRITAIN | | (For Survey use only) | |
|--|--|--|--|
| RECORD OF SHAFT OR BORE FOR MINERALS | | 6-inch Map Registered No. | |
| Name of Shaft or Bore given by Geological Survey: <u>LONDON YORKSHIRE</u> | | <u>6UB</u> <u>SK46NE 90B</u> | |
| Name and Number given by other: <u>MOTORWAY</u> | | Nat. Grid Reference <u>4538 6655</u> | |
| For whom made | | 1" N.S. Map No. | |
| Town or Village | | 1" O.S. Map No. | |
| Exact site | | Confidential or not | |
| Purpose for which made | | Attach a tracing from a map, or a sketch-map, if possible. | |
| 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 <u>9.6.5</u> | |
| Information from <u>J. S. Douglas, Lond.</u> | | Date received <u>9.6.5</u> | |
| Examined by <u>V. I. Frost, C. G. Bradley</u> | | | |

SPECIMEN NUMBERS AND ADDITIONAL NOTES

| (For Survey use only) GEOLOGICAL CLASSIFICATION | DESCRIPTION OF STRATA | THICKNESS | | DEPTH | |
|---|--|-----------|-----|-------|-----|
| | | FT | IN. | FT | IN. |
| J. S. Douglas } Samples. | Clay, olive-brown, sandy | | | 0 | 0 |
| | Clay, pale olive, with fragments | | | 8 | 0 |
| | | | | 12 | 0 |
| | Sandstone, buff, fine grained, with sparse carbonaceous micaceous partings and small foraminifera, concentric. | | 6 | 14 | 6 |
| | Sandstone, grey, silty, with sparse plant fragments. | 0 | 6 | 15 | 0 |
| | Sandstone, pale grey, fine grained, with carbonaceous micaceous partings. | 0 | 5 | 16 | 5 |
| | Hardstone, grey | 0 | 7 | 16 | 0 |
| | Sandstone, pale grey, fine grained. | 0 | 8 | 16 | 8 |
| | Hardstone, grey. | 3 | 1 | 19 | 9 |
| | Sandstone, pale grey, fine grained, many carbonaceous micaceous partings hardstone partings as ballins. | | | | |
| | Vertical sanding with laminar staining. Coal fragmenting at base, with lutton no coal fragments. | 17 | 11 | 37 | 8 |
| | Sandstone, grey, silty, with sparse plant fragments. | 0 | 7 | 38 | 0 |
| | | | 9 | 40 | 0 |
| | Base of hole. | | | | |



SK46NE1
RECORD OF BOREHOLE NO. 611B

Ground level: 339.1ft. above O.D. Newlyn (30.7.63.) Dia. of boring: 18 in. core to 40ft.
Type of boring: Shell and Auger and Rotary Core Drilling Lining tubes: 18 in. to 15ft.

| Daily Progress | Core Recovery or Samples | | Change of Strata | | | Description of Strata |
|--|--------------------------|--------------------|--|-------|------------|---|
| | Depth | Percentage of Type | Legend | Depth | O.B. Level | |
| | | | | 1'0" | 338.1 | TOP SOIL |
| | 1'6" - 3'0" | U(4) D | | | | |
| | 3'0" - 5'0" | BD | | | | |
| | 5'0" - 6'6" | D | | | | |
| | 6'6" - 8'0" | U(4) D | | | | |
| | 8'0" - 9'0" | BD | | | 8'6" | 330.6 |
| 18.3.63. | 9'0" - 10'0" | D | | | 10'0" | 329.1 |
| | | | | | | |
| | 14'0" | 25% | | | 14'0" | 325.1 |
| | | 50% | | | | |
| | 20'0" | | | | 19'6" | 319.6 |
| | | 40% | | | | |
| 25.3.63 | 30'0" | | | | | Vertically fissured grey fine SANDSTONE; part laminated, occasionally ironstained adjacent to fissures; slightly coarser at 25ft.; and at 30ft. |
| | 33'0" | 33% | | 33'0" | 306.1 | |
| | | 37% | | | | COAL |
| | 37'0" | | | 37'0" | 302.1 | |
| | 39'6" | 100% | | 39'0" | 301.1 | SEATEARTH |
| 26.3.63 | 40'0" | 100% | | 40'0" | 299.1 | Vertically fissured, generally well bedded, dark green-grey MUDSTONE with plant remains; ironstone at base |
| | | | | | | |
| Key to type of sample : | | | Remarks : (Observations on ground-water, etc.) | | | |
| U (4) - 4 in. dia. undisturbed sample. | | | Ground-water was first encountered at depth of 9ft. below ground level and a sample was taken. | | | |
| 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. | | | | | | |
| MINISTRY OF TRANSPORT LONDON-YORKSHIRE MOTORWAY TROWELL TO BARLBOROUGH SECTION | | | | | | Soils No : 8/3847 |
| | | | | | | FIG. 255 |

GEORGE WIMPEY & CO., LTD.

CENTRAL LABORATORY

HAY