





SK46NE1  
RECORD OF BOREHOLE NO. 612B

Ground level: 349.9ft. above O.D. Newlyn (30.7.63) Dia. of boring: 9in. to 9ft.  
NX (2 1/2 in. core) to 37ft.  
Type of boring: Shell and Auger and Rotary Core Drilling Lining tubes: 9in. to 6ft.

| Daily Progress   | Core Recovery or Samples |                    | Change of Strata  |       |            | Description of Strata<br>SK46NE91/B  |
|--|--------------------------|--------------------|---|-------|------------|--|
|  | Depth                    | Percentage or Type | Legend  | Depth | O.D. Level |  |
|  | 1'6" - 3'0"              | U(4)<br>0          |   | 1'0"  | 347.9      | TOPSOIL  |
|  | 3'0"                     | 0                  |   |       |            |  |
|  | 5'0"                     | 80                 |   |       |            |  |
|  | 5'0"                     | 0                  |   | 6'0"  | 342.9      | Very stiff yellow-brown silty sandy CLAY, with shale and sandstone fragments   |
|  | 7'0"                     | 80                 |   |       |            |  |
|  | 7'0"                     | 0                  |   |       |            |  |
| 19.6.63.   | 9'0"                     | 0                  |   |       |            |  |
|  | 12'0"                    | 53%                |   |       |            |  |
|  | 12'6"                    | 100%               |   |       |            |  |
|  | 14'0"                    | 100%               |   |       |            |  |
|  | 16'0"                    | 100%               |   |       |            |  |
|  | 20'0"                    | 90%                |   | 20'0" | 328.9      | Weathered ironstained and vertically fissured, laminated rusty brown argillaceous fine SANDSTONE; 12ft. to 12ft.6in.. Weathered sandy pale brown MUDSTONE band |
|  | 25'0"                    | 20%                |   |       |            |  |
|  | 26'0"                    | 100%               |   |       |            |  |
|  | 26'6"                    | 100%               |   |       |            |  |
|  | 27'0"                    | 100%               |   | 27'0" | 321.9      | Well bedded gray MUDSTONE; sandstone bands at 24ft.10in. to 25ft; 26ft. to 26ft. 6in.  |
|  |                          | 80%                |   |       |            |  |
| 20.6.63.   | 37'0"                    |                    |   | 37'0" | 311.9      | Gray fine SANDSTONE; ironstained and laminated in part, particularly at 33ft; broken at top with vertical fissuring  |
| Key to type of sample:<br>U (4) — 4 in. dia. undisturbed sample.<br>U (1 1/2) — 1 1/2 in. dia. " "<br>D — disturbed sample. "<br>BD — bulk disturbed sample.<br>W — water sample.<br>S ( ) — standard penetration test.<br>C ( ) — dynamic cone penetration test.<br>No. in brackets gives<br>No. of blows/12 in. penetration. |                          |                    | Remarks: (Observations on ground-water, etc.)<br><br>Ground-water was first encountered at 6ft. depth below ground level during boring. |       |            |  |
| MINISTRY OF TRANSPORT<br>LONDON-YORKSHIRE MOTORWAY<br>TROWELL TO BARLBOROUGH SECTION   |                          |                    |   |       |            | Soils No:<br>3/3547<br><br>FIG. 258  |