

LONDON-YORKSHIRE GEOLOGICAL SURVEY OF GREAT BRITAIN RECORD OF SHAFT OR BORE FOR MINERALS MOTORWAY		(For Survey use only) 6-inch Map Registered No. SK46NE 89						
Name of Shaft or Bore given by Geological Survey: <u>LONDON - YORKSHIRE MOTORWAY</u> <u>BH NO 610.</u>		Nat. Grid Reference <u>4580 6647</u>						
Name and Number given by owner: <hr/>								
For whom made <u> </u>		<table border="1"> <tr> <th>1" N.S. Map No.</th> <th>1" O.S. Map No.</th> <th>Confidential or not</th> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>	1" N.S. Map No.	1" O.S. Map No.	Confidential or not			
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Town or Village <u> </u> County <u> </u>								
Exact site <u> </u> { Attach a tracing from a map, or a sketch-map, if possible.								
Purpose for which made <u> </u>								
Ground Level at shaft relative to O.D. <u> </u>		If not ground level give O.D. of beginning of shaft bore <u> </u>						
Made by <u> </u>								
Information from <u>J.R. Sample</u>								
Examined by <u>S. J. T. K.</u>								
		Date of sinking <u>1963</u>						
		Date received <u>1963</u>						

SPECIMEN NUMBERS AND ADDITIONAL NOTES

[illegible]

GEOLOGICAL SURVEY OF GREAT BRITAIN

RECORD OF SHAFT OR BORE FOR MINERALS

Name of Shaft or Bore given by Geological Survey:

Shaft or Bore given by Geological Survey:
LONDON-YORKSHIRE

610 c.

Name and Number given by owners

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

Made by

Date of sinking

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SPECIMEN NUMBERS AND ADDITIONAL NOTES

[illegible]



RECORD OF BOREHOLE NO. 610B

Ground level : 284.1ft. above O.D. Newlyn (30.7.63)

Dia. of boring : 8in.

Type of boring : Post-hole Auger

Lining tubes : Not used

Daily Progress	Core Recovery or Samples		Change of Strata			Description of Strata	
	Depth	Percentage or Type	Legend	Depth	O.D. Level		
	1'0"	D		2'6"	281.6	FILL (fragments of burnt shale with some brown clay)	FILL
	3'0" - 4'6"	U(4)				Soft yellow-brown silty CLAY with some coal fragments (Possible FILL)	FILL
	4'6" - 6'0"	D		6'6"	277.6		
9.7.63	6'6" - 8'0"	80		8'0"	276.1	Soft yellow-brown, grey and brown sandy silty CLAY and organic silty clay with some fragments of sandstone, coal and carbonised wood (Possible FILL)	
	8'0" - 8'6"	D		8'6"	275.6	Weathered yellow-grey SANDSTONE	
							COAL MEASURES

RECORD OF BOREHOLE NO. 610C SK46NE 89

Ground level : 321.9ft. above O.D. Newlyn (30.7.63)

Dia. of boring : 8in. to 5ft. 6in.
8 1/2" (2 1/2" dia. core) to 30ft.

Type of boring : Post-hole Auger and Rotary Core Drilling

Lining tubes : Not used

	2'6" - 3'0"	U(4)		2'6"	319.4	TOPSOIL	
9.7.63	3'0" - 4'6"	D		3'0"	316.9	Firm grey-brown silty CLAY	
	4'6" - 5'6"	D					
	10'0"	Non coring				Weathered laminated grey-brown sandy MUDSTONE grading to weathered grey-brown mudstone at 17ft. approx.	COAL MEASURES
	17'0"	90%					
22.6.63	19'0"	50%		19'0"	305.1	Irregularly laminated grey argillaceous fine SANDSTONE with ironstained vertical fissures	
	20'0"	100%		20'0"	301.9	Grey sandy MUDSTONE	
				22'0"	299.9	Vertically fissured laminated grey and black fine SANDSTONE	
24.6.63	30'0"	90%		30'0"	291.9	Dark grey muddy fine SANDSTONE grading to mudstone from 23ft. to 23ft. Occasional ironstained fissures. Dip 26°	

Key to type of sample:
 U (4) — 4 in. dia. undisturbed sample.
 U (1 1/2) — 1 1/2 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.)

B.H.'s. 610B and 610C

No ground-water was encountered during boring.

MINISTRY OF TRANSPORT
LONDON-YORKSHIRE MOTORWAY
TROWELL TO BARLBOROUGH SECTION

Soils No.
5/3547

FIG. 253