



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
	38'0"	80%		38'6"	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 - for which Mat. reg. 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 Two Samples

Date received 1963

Examined by D. J. Fair

SPECIMEN NUMBERS AND ADDITIONAL NOTES

(For Survey use only)		DESCRIPTION OF STRATA	THICKNESS		DEPTH	
GEOLOGICAL CLASSIFICATION			Ft	in.	Ft	in.
for samples.	{	Clay, brown, silty.			2	6
		Clay, brown, slightly silty.			3	6
		Sandstone, greenish brown, soft.			6	6
		Sandstone, brown, soft.			7	0
		limestone, gray, silty			10	6
		limestone, gray, silty, with silty limestone laminae			15	0
				21	0	
		limestone, gray, silty, with limestone bands up to 2 1/2" thick	4	0	25	0
		limestone, gray.	1	2	26	2
1. <u>Unit.</u>		Coal.	2	0	28	2
		Sandstone, limestone, gray - dark gray, with limestone nodules & bands.	1	10	30	0
		limestone, gray, silty, with sandy bands in laminae 3 1/4' - 3 5/8'				
		limestone bands. Carbonaceous plant fragments.	7	0	37	0
		limestone, gray.	3	0	40	0
		Base of Hole.				