

GEOLOGICAL SURVEY OF GREAT BRITAIN
RECORD OF SHAFT OR BORE FOR MINERALS

Name of Shaft or Bore given by Geological Survey:

LONDON-YORKSHIRE 612

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 Joe Sanchez (me)

Date received.....1963

Examined by D. V. Frost C. E. Bradley

SPECIMEN NUMBERS AND ADDITIONAL NOTES

(For Survey use only) GEOLOGICAL CLASSIFICATION	DESCRIPTION OF STRATA	THICKNESS		DEPTH	
		FT	IN.	FT	IN.
for Samples	limestone <u>gng.</u>			8	0
	limestone <u>gng. brown</u> , with plant fragments.			10	0
	limestone <u>fragments</u> .			13	0
	<u>limestone</u> , <u>gng.</u> , <u>silty</u> , <u>very hard</u> , (<u>thin cemented</u>) - <u>up 6"</u> from stained joints, with some <u>mottled</u> section, throughout. <u>Sparsely small limestone</u> <u>nodules</u> .	9	0	22	0
	<u>Sandstone</u> , <u>gng.</u> , <u>medium grained</u> .	0	6	22	6
	<u>limestone</u> , <u>gng.</u> to <u>dark gng.</u> , <u>extremely</u> <u>silty</u> , with <u>rare mica</u> <u>flakes</u> and <u>small carbonaceous</u> <u>patches</u> .	11	6	34	0
	<u>Sandstone</u> , <u>gng.</u> , <u>fine grained</u> , with <u>carbonaceous</u> - <u>irregular</u> <u>partings</u>	2	0	36	0
	<u>Passing down into</u> <u>siltstone</u> , <u>gng.</u> , with <u>fine grained</u> <u>sandstone</u> <u>bands</u> , and <u>carbonaceous</u> <u>plant fragments</u> .	7	6	41	6
	<u>limestone</u> , <u>gng.</u> , <u>silty</u> (<u>some fragmenting</u>)	0	4	41	10

Name of Shaft or Bore given by Geological Survey:

6-inch Map
Registered
No.

617

SK46NF 7

Name of Shaft or Bore given by Geologist

MOTORWAY

GEOLOGICAL CLASSIFICATION	DESCRIPTION OF STRATA	THICKNESS		DEPTH	
		FT	IN.	FT	IN.
	B/f.			41	10.
	Sandstone, pale gray to buff, medium grained, becoming coarser and conglomeratic to calc. hardness, with sporadic carbonaceous meaceous partings. Transition nodules and small coral fragments abundant. Plant fragments.	2'	8.	46	6
	Coal.	1	6	46	0.
	Sandstone, medium gray, lustrous surfaces, matrix, soft.	2	6	46	6
	Sandstone, gray, fine grained, with siliceous bands and lamellae. Carbonaceous part slightly meaceous partings. Sparitic transition nodules.				
	Sandstone, gray, silty, with few concretion pieces.			60	0
	Same as above.				

DS90293/2 PS05 4m 14/61XL



RECORD OF BOREHOLE NO. 617

Ground level: 338.0 ft. above O.D. Newlyn (25.4.63) 8 in. to 13 ft.
Dia. of boring: NX (2 1/2 in. core) to 60 in.
Type of boring: Shell and Auger and Rotary Core Drilling Lining tubes: NX (3 in.) to 13 ft.

Daily Progress	Core Recovery or Samples		Change of Strata			Description of Strata
	Depth	Percentage or Type	Logarithm	Depth	O.D. Level	
	1'6" - 3'0"	U(4) D		1'0"	337.0	TOPSOIL
	3'0"			3'0"	338.0	FILL (brown silty clay with some gravel and brick fragments)
	5'0" - 6'6"	U(4) D				Weathered black coaly SHALE
11.4.63	10'0"	D		9'0"	329.0	
	10'0"	80				
	12'0"	0				
	13'0"	0		12'0"	328.0	Weathered gray silty SHALE
16.4.63	13'0"	0				
		88%				
	20'0"					
		90%				Weathered, ironstained, and vertically fissured gray MUDSTONE; becoming sandy with depth, and with sandstone laminae near base
	30'0"					
		84%				
19.5.63	36'0"			36'3"	301.7	
		100%		39'0"	299.0	Gray sandy MUDSTONE; irregularly laminated for top 3 in.; broken by vertical fissuring
	42'0"			41'9"	296.2	Light gray fine SANDSTONE
		100%		44'6"	295.5	Light gray medium SANDSTONE with irregular discontinuous coaly laminae; thin (4 in.) coal intercalations at 43 ft. 6 in. Occasional pyrite lined vertical fissures.
	50'0"			46'0"	292.0	Becoming coarse grained with fine pebbles. Occasional coarse grained with fine pebbles.
		100%		54'0"	284.0	Irregularly laminated light and dark gray muddy fine SANDSTONE, increasingly muddy from 53 ft.
14.5.63	60'0"			60'0"	278.0	Gray MUDSTONE

Key to type of sample:
U (4) - 4 in. dia. undisturbed sample.
U (1 1/2) - 1 1/2 in. dia. " "
D - disturbed sample. " "
SD - bulk disturbed sample.
W - water sample.
S { } - standard penetration test.
C { } - dynamic cone penetration test.
No. in brackets gives

Remarks: (Observations on ground-water, etc.)

No ground-water was encountered during boring.