

GEOLOGICAL SURVEY OF GREAT BRITAIN

RECORD OF SHAFT OR BORE FOR MINERALS

Name of Shaft or Bore given by Geological Survey:

LONDON-YORKSHIRE

620

Name and Number given by agent

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 for Sample, Carol

Date received.....1963

Examined by D. J. Frost, C. E. Bradley

SPECIMEN NUMBERS AND ADDITIONAL NOTES

[illegible]



SK46NE 74
4513 6901

SK 46 NE 174
RECORD OF BOREHOLE NO. 620

Ground level : 98.76
324.8ft. above O.D. Newlyn (25.4.63)

8in. to 25ft. 6in.
Dia. of boring : NX (2 1/2 in. core) to 48ft. 6in.

Type of boring : Shell and Auger and
Rotary Core Drilling

Lining tubes : NX (3in.) to 48ft. 6in.

Daily Progress	Core Recovery or Samples		Change of Strata			Description of Strata
	Depth	Percentage or Type	Legend	Depth	O.D. Level	
8.4.63	1'6" - 3'0"	U(4) 0		1'0"	325.8	TOP SOIL
	3'0"	0		3'0"	321.8	Firm brown sandy silty CLAY
	5'0"	0				
	5'0"	BD				
9.4.63	6'6" - 8'0"	U(4) 0				Weathered dark gray and black congl. SHALE
	8'0"	0				
	10'0"	0				
	10'0"	BD		11'0"	315.8	
	12'0"	0				
	12'0"	BD				
9.4.63	17'0"	0				Weathered gray and grey-brown silty SHALE
	17'0"	BD				
	22'0"	0				
	22'0"	BD				
	24'6" - 25'3"	U(4) ** 0		25'6"	299.3	
	25'3"	0				
3.5.63	30'0"	80%				Well bedded gray MUDSTONE with occasional vertical fissures; at 34ft. brown-gray and broken; grey mudstone from 34ft. 9in.
	36'0"	83%				
	36'0"			36'0"	288.8	
		100%				SEATEARTH
3.5.63	43'6"			42'0"	282.8	
4.5.63		90%				Grey MUDSTONE; shaly and poorly bedded at top, clayey at 43ft. 6in.; broken and soft in part, shaly thereafter
	48'6"			48'6"	275.3	

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.
SPT — standard penetration test.
DCP — dynamic cone penetration

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

No ground-water was encountered during boring.
** Full penetration of sampler not attained.