



SK45NE 94
4554 5604

SK 45 NE 94
RECORD OF BOREHOLE NO. 553

Ground level: 457.0ft. above O.D. Newlyn (3.4.63)

Dia. of boring: 9in. to 4ft.
BX (18in. core) to 70ft.

Type of boring: Shell and Auger and
Rotary Core Drilling

Lining tubes: BX (28in.) to 7ft.

Daily Progress	Core Recovery or Samples		Change of Strata			Description of Strata
	Depth	Percent- age or Type	Legend	Depth	O.D. Level	
0.3.63	0'6"	0		2'0"	465.0	TOPSOIL
	1'0" - 2'6"	11(8)				
	2'6"	0				
	2'6" - 4'0"	80		4'0"	463.0	Firm brown sandy CLAY and sandstone fragments
21.3.63	4'0"	60%				Rust-brown fine SANDSTONE; broken and weathered at the top; with almost vertical ironstained fissures throughout
	9'0"			8'6"	458.5	
				9'2"	457.7	Weathered grey MUDSTONE
				12'0"	455.0	Vertically fissured grey fine SANDSTONE with black argillaceous laminae becoming prominent with depth
	16'0"	100%				
	18'0"	100%				
	24'0"	100%				Grey MUDSTONE with a minor fault zone of crushed rock from 15ft.4in. to 16ft. Well bedded from 16ft. with 1in. ironstone over thin black coaly shale at base
	30'0"	100%				
				31'4"	455.7	
22.3.63		70%				Grey fine SANDSTONE; laminated with incipient near vertical fissuring down to 23ft.3in. Mussels at 33ft.5in. and some vertical fissuring to base
	40'0"			38'9"	428.2	
		73%				
	50'0"					
22.3.63	60'0"	60%				Massive grey MUDSTONE; pale brown from 50ft.6in. to 60ft.9in. and broken from 60ft.9in.; vertical fissuring from 49ft. to 60ft. Core broken 60ft. to 70ft.; mussels from 53ft. to 54ft.
23.3.63	70'0"	30%		70'0"	397.0	

ONAL MEASURES

GEOLOGICAL SURVEY OF GREAT BRITAIN

RECORD OF SHAFT OR BORE FOR MINERALS

Name of Shaft or Bore given by Geological Survey:

London - Leithing Motorway BR No 553

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 base relative to O.D. If not ground level give O.D. of beginning of shaft base

Made by

Date of sinking 1963

Information from Lores

Date received.....963

Examined by C. J. Frost

SPECIMEN NUMBERS AND ADDITIONAL NOTES

(For Survey use only)	DESCRIPTION OF STRATA	THICKNESS		DEPTH	
		Ft	in.	Ft	in.
	<u>Sandstone</u> , yellow - brown, fine grained.	12	0	16	0
	<u>Sandstone</u> , pale grey, fine grained, with wavy carbonaceous partings.	5	0	21	0
	<u>Mudstone</u> , gray, lenticular, 23' - 25'				
	<u>Mudstone</u> , 25' - 31'	10	0	31	0
	<u>Siltstone</u> , dark gray, with pale gray sandy laminae.	8	0	39	0
	<u>Mudstone</u> , gray silty.	12	0	51	0
	<u>Mudstone</u> , gray	1	0	52	0
	<u>Mudstone</u> , gray silty with sporadic <u>granite</u> bands.				
	<u>Mudstone</u> , 57' - 60'	17	6	69	6
	<u>Siltstone</u> , gray	0	6	70	0
	Base of hole.				