



SK45NE 95  
L1542 5614  
**RECORD OF BOREHOLE NO. 554**

Ground level : 486.1ft. above O.D. Newlyn (3.4.63)

Dia. of boring :

8in. to 7ft.  
NX (28in. core) to 70ft.

Type of boring : Shell and Auger and  
Rotary Core Drilling

Lining tubes :

NX (3in.) to 7ft. 6in.

Daily Progress	Core Recovery or Samples		Change of Strata			Description of Strata
	Depth	Percentage or Type	Legend	Depth	O.D. Level	
	0'6"	D		1'0"	485.1	TOPSOIL
	1'0"	D				
	1'6" - 3'0"	U(4)				Firm light brown silty CLAY
	3'0"	D				
	5'2"	D		5'9"	480.3	
7.3.63	6'0" - 7'0"	U(4)				
	7'0"					
	7'6" - 7'10"	U(4)				
		80%				Hard dark grey CLAY with shale fragments
	12'0"					
				15'0"	approx. 471.1	
		100%				Weathered grey MUDSTONE with vertical fissuring
25.3.63	20'0"			20'0"	466.1	
		86%				
	27'0"					
		100%				Well bedded grey MUDSTONE, ironstained along bedding planes and in vertical fissures, becoming less ironstained in depth with fissures persisting. Massive from 28ft. 6in. with fewer fissures but with plant remains, abundant at 44ft. to 45ft. and 48ft. 2in. Ironstone nodules 45ft. to 47ft. 6in. where the mudstone becomes black and shaly with a further ironstone at 48ft.
	34'0"					
		100%				
	42'0"					
		100%				
	50'0"			42'7"	437.5	
				50'0"	436.1	Gray sandy MUDSTONE with incipient fissures becoming increasingly sandy with depth
						Massive pale grey fine SANDSTONE with thin wispy blade lenticles, occasional ironstone nodules and steeply inclined incipient and calcite cemented fissures. From 54ft. the wispy argillaceous lenticles link to form an irregularly laminated sandstone
26.3.63		100%		56'9"	429.7	
				58'7"	427.5	Greyish black MUDSTONE
	60'0"			60'0"	426.1	Irregularly laminated grey fine SANDSTONE
				61'0"	425.1	Pale grey sandy MUDSTONE, becoming increasingly sandy with depth
		100%				Irregularly laminated, cream-grey fine SANDSTONE with steeply inclined ironstained fissures
7.3.63	70'0"			70'0"	416.1	

COAL MEASURES

## GEOLOGICAL SURVEY OF GREAT BRITAIN

## RECORD OF SHAFT OR BORE FOR MINERALS

Name of Shaft or Bore given by Geological Survey:

London - Yorkshire Motorway Bh No 554.

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 Cores -

Date received 1963

Examined by D. V. Frost

## SPECIMEN NUMBERS AND ADDITIONAL NOTES

[illegible]