



RECORD OF BOREHOLE NO. 581

Ground level : 56.5 ft. above O.D. Newlyn (10.4.63)

Dia. of boring : 1 1/2 in. (core) to 1 1/2 in.

Type of boring : Shell and Argor and Rotary Core Drilling

Lining tubes : 1 1/2 in. to 50 ft.

Daily Progress	Core Recovery or Samples		Change of Strata			Description of Strata
	Depth	Percentage of core	Legend	Depth	O.D. level	
	2'0" - 3'6"	100%		3'6"	546.8	Forssell
	3'6" - 7'6"	100%		7'6"	551.8	Soft mottled grey and brown silty CLAY with sandstone fragments
	7'6" - 9'0"	100%		9'0"	556.8	Weathered black coaly clayey SHALE
	9'0" - 10'0"	100%		10'0"	559.8	Grey-brown coarse SANDSTONE
	10'0" - 13'0"	100%		13'0"	565.8	Ironstained pale green-grey mudstone and grey CLAY with 3 in. ironstone at top
	13'0" - 28'0"	100%				
	28'0" - 35'0"	100%				Grey MUDSTONE, shaly from 28 ft. to 27 ft. with plant remains; core broken 20 ft. to 21 ft., 25 ft. 6 in. to 27 ft., 28 ft. 6 in. to 29 ft. 6 in., 38 ft. 6 in. to 41 ft. with vertical fissuring; part ironstained
24.4.63	35'0" - 42'0"	90%		42'0"	526.4	
	42'0" - 45'0"	100%		45'0"	525.4	Very dark grey coaly, shaly MUDSTONE. 2 in. ironstone at top
	45'0" - 53'0"	100%		53'0"	529.4	Poorly bedded grey MUDSTONE with plant remains
	53'0" - 56'0"	100%		56'0"	512.4	Massive grey MUDSTONE with plant remains; occasional steep angled fissures become prominent at 53 ft.
25.4.63	56'0" - 61'0"	100%		61'0"	507.4	Broken grey clayey SHALE and CLAY, part slickensided (Fault crush zone)
	61'0" - 64'0"	100%				
	64'0" - 78'0"	100%				Grey MUDSTONE, vertical fissures to 62 ft. 6 in. and from 76 ft. to 83 ft. 6 in.; becoming sandy from 82 ft.
	78'0" - 83'0"	90%		83'0"	484.9	
26.4.63	83'0" - 86'0"	100%		86'0"	484.8	Pale cream sandy MUDSTONE
	86'0" - 90'0"	50%		90'0"	482.2	Irregularly laminated pale cream sandy fine SANDSTONE with low angled ironstained fissures
	90'0" - 94'0"	100%				
27.4.63	94'0" - 97'0"	100%				Pale yellow fine SANDSTONE with occasional bands of irregularly laminated mudstone; becoming false-bedded from 94 ft. to 100 ft. and dark from 106 ft.; some ironstained vertical fissures
	97'0" - 100'0"	100%				
	100'0" - 107'0"	100%		107'0"	461.8	
29.4.63	107'0" - 112'0"	100%		112'0"	456.8	COAL, dull to 110 ft. bright thereafter with thin seams of grey clay
	112'0" - 120'0"	100%				Poorly bedded grey MUDSTONE with plant remains abundant at top, incipient and open fissured throughout but prominent at top; 3 in. ironstone at base
30.4.63	120'0" - 120'0"			120'0"	448.4	

COAL REMAINS



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

Name of Shaft or Bore given by Geological Survey:

LONDON YORKSHIRE

580.

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

Information from

Date received

Examined by

(For Survey use only)

6-inch Map Registered No.

8K46SW 35

Nat. Grid Reference

4487 6068

1" N.S. Map No.

1" O.S. Map No.

Confidential or not

SPECIMEN NUMBERS AND ADDITIONAL NOTES

(For Survey use only) GEOLOGICAL CLASSIFICATION	DESCRIPTION OF STRATA	THICKNESS		DEPTH	
		FT	IN.	FT	IN.
				10	0
	Sandstone pale grey, fine grained.	3	0	13	0
	Mudstone grey silty, with ironstone bands in basal 3'	10	0	23	0
	Mudstone grey, silty - parts, sporadic ironstone bands				
	Mussel fragments at 34'				
	Sporadic at 35' 6"	13	0	36	0
	Mudstone grey, silty.	5	0	41	0
	Mudstone grey	1	0	42	0
	Mudstone dark grey, with mussel fragments and fish scales	0	9	42	9
	Thin coal? (not recovered if present)				
	Sandstone mudstone grey, silty, with concretionary rootlets.	1	9	44	6
	Siltstone grey	2	0	46	6
	Mudstone grey, silty	9	0	55	0
	Mudstone grey, with mussel fragments and sporadic	1	0	56	0



LONDON-TURNSTILE

Name of Shaft or Bore given by Geological Survey:

MOTORWAY

580.

6-inch Map
Registered
No.

SK46SW 35

GEOLOGICAL CLASSIFICATION	DESCRIPTION OF STRATA	THICKNESS		DEPTH	
		FT	IN.	FT	IN.
	B/S			56	0
	2 ad workings				
	Seatearth mudstone grey, lentic				
	Core fragmentary.	5	0	61	0
	Siltstone grey	2	0	63	0
	Mudstone grey silty, with siltstone bands and laminae 64'-66'				
	Plant fragments at 21'				
	Well preserved plants at 25'	20	0	83	0
	Siltstone grey, with sandy laminae		0	84	0
	Sandstone pale grey, fine grained, with lenticular staining and carbonaceous - micaceous plantings.				
	Vertical fractures 93'-96'				
	Bands of each grey silty mudstone at 97'	20	0	104	0
	Alternations of Siltstone and Sandstone laminar	2	4	106	4
	Mudstone dark grey, silty, with pale grey sandy laminae	0	8	107	0
TOP MARK	Coal. Core fragmentary.	4	0	111	0
	Seatearth mudstone grey, silty with nodules. Ironstone nodules below 112'6"	2	0	113	0
	Passing down into Mudstone grey, silty, with plant fragments, ironstone bands up to 2" thick at base.	7	0	120	0
	Base of Hole				

2030293/2 PS85 4m 11/6/14