



SK45NW1
RECORD OF BOREHOLE NO. 567A/I

Ground level : 436.1 ft. above O.D. Newlyn (5.7.63.)

Dia. of boring : 8 in.

Type of boring : Shell and Auger

Lining tubes : 8 in. to 6 ft.

Daily Progress	Core Recovery or Samples		Change of Strata			Description of Strata	COAL MEASURES
	Depth	Percentage or Type	Legend	Depth	O.D. Level		
	2'0" - 3'6"	U(4) D		1'6"	434.6	TOPSOIL	
	3'6" - 6'6"	D		6'0"	430.1	Stiff friable mottled grey and brown sandy and silty CLAY	
6.5.63.	6'6"			8'0"	428.1	Weathered and broken brown sandy MUDSTONE	
<div>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. S { } — standard penetration test. C { } — dynamic cone penetration test. No. in brackets gives No. of blows/12 in. penetration.</div> <div>Remarks : (Observations on ground-water, etc.) No ground-water was encountered during boring.</div>							
MINISTRY OF TRANSPORT LONDON-YORKSHIRE MOTORWAY TROWELL TO BARLBOROUGH SECTION							Soils No : 3/3847 FIG. 179

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CENTRAL LABORATORY

HAYES



SK 45 NW 1
RECORD OF BOREHOLE NO. 567A/II

Ground level: 436.1 ft. above O.D. Newlyn (5.7.63.)

Dis. of boring: NX(28 in. core)

Type of boring: Rotary Core Drilling

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

Daily Progress	Core Recovery or Samples		Change of Strata			Description of Strata
	Depth	Percentage or Type	Legend	Depth	O.D. Level	
	0'0"	Non coring				
	6'0"			6'0"	430.1	
3.5.63.	10'0"	63%				Weathered and broken brown sandy MUDSTONE; ironstained joints and fissures
	12'0"	87%		12'0"	424.1	
	15'0"					
	20'0"	70%				Gray SHALE, weathered at top, becoming darker with depth
	25'0"	95%				
	27'2"	72%		27'2"	408.9	
4.5.63.	30'0"			28'10"	407.3	COAL
	32'0"	80%		32'0"	404.1	SEATEARTH, becoming shaly and sandy with depth
	35'0"					
	38'0"	83%		40'6"	395.6	Broken gray sandy MUDSTONE with plant remains
	45'0"	92%				
	50'0"	92%				Broken gray SHALE, becoming black from 49 ft.
	51'10"			52'3"	384.3	
	52'3"	69%		53'4"	383.8	COAL
	53'4"			53'4"	382.6	SEATEARTH
6.5.63.	55'0"			55'0"	381.1	Massive gray MUDSTONE

Key to type of sample:

U (4) — 4 in. dia. undisturbed sample.
U (1½) — 1½ in. dia. " "
D — disturbed sample.
BD — bulk disturbed sample.
W — water sample.
S { } — standard penetration test.
C { } — dynamic cone penetration test.
No. in brackets gives
No. of blows/12 in. penetration.

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

MINISTRY OF TRANSPORT
LONDON-YORKSHIRE MOTORWAY
TROWELL TO BARLBOROUGH SECTION

Soils No:
S/3547

FIG.180

GEORGE WIMPEY & CO., LTD.

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HAYES



RECORD OF BOREHOLE NO. 567B/1

Ground level: 485.6 ft. above O.D. Newlyn (47.69.)

Dia. of boring: 8 in.

Type of boring: Shell and Auger

Lining tubes: 8 in. to 6 ft.

Daily Progress	Core Recovery or Samples		Change of Strata			Description of Strata	SOIL MEASURES
	Depth	Percentage or Type	Legend	Depth	O.D. Level		
				1' 6"	482.1	TOPSOIL	
	2' 0" - 3' 6" 3' 6" 5' 0"	U(4) D D				Compact weakly cemented brown clayey silty fine SAND	
6.5.69.	7' 0" - 8' 6" 8' 6"	U(4) D		9' 0"	484.6		
<div><div>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. S { } — standard penetration test. C { } — dynamic cone penetration test. No. in brackets gives (No. of blows/12 in. penetration.</div><div>Remarks: (Observations on ground-water, etc.) Ground-water was first encountered at a depth of 7 ft. and rose to a depth of 6 ft. 6 in. below ground level. Sample of ground-water taken.</div></div>							
MINISTRY OF TRANSPORT LONDON-YORKSHIRE MOTORWAY TROWELL TO BARLBOROUGH SECTION							Soils No: S/3867 FIG. 1A

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RECORD OF BOREHOLE NO. 5678

Ground level: 443.6 ft. above O.D. Newlyn (5.7.63.)

Dia. of boring : NX (2 $\frac{1}{8}$ in. core)

Type of boring : Rotary Core Drilling

Lining tubes : , MX (3 in.) to 13ft.

Daily Progress	Core Recovery or Samples		Change of Strata			Description of Strata
	Depth	Percentage or Type	Legend	Depth	O.D. Level	
	0'0"	Non coring				
	8'0"			8'0"	435.6	
	10'0"	62%		10'3"	435.5	Weathered and softened ochreous yellow argillaceous fine SANDSTONE
	15'0"	85%				Pale brown and grey argillaceous fine SANDSTONE
	20'0"	75%		19'0"	424.6	
	25'0"	70%				Broken pale grey shaly MUDSTONE and SHALE, with occasional ironstones
	30'0"	100%				
	35'0"	60%		34'8"	408.9	
				36'4"	407.3	COAL
7.3.63.	40'0"	77%		40'0"	409.6	SEATEARTH
				40'6"	409.1	Grey MUDSTONE
				42'0"	401.6	Massive grey medium to fine SANDSTONE, grading to mudstone
		87%				Broken shaly MUDSTONE, with plant remains
8.5.63.	50'0"			50'0"	399.6	

COAL MEASURES

SK 45 NW 231

BGS

BGS

Key to type of sample :

U (4) — 4 in. dia. undisturbed sample.

U (1½) — 1½ in. dia. " "

D — disturbed sample.

BD — bulk disturbed sample.

W — water sample.

S { — standard penetration test.

C { — dynamic cone penetration test.

No. in brackets gives
No. of blows/12 in. penetration.

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

Wash water return lost below 13ft. depth.

MINISTRY OF TRANSPORT
LONDON-YORKSHIRE MOTORWAY

TROWELL TO BARLBOROUGH SECTION

Soils No :
3/3547

FIG. 182

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HAYES



GEOLOGICAL SURVEY OF GREAT BRITAIN		(For Survey use only)		
RECORD OF SHAFT OR BORE FOR MINERALS		6-inch Map Registered No.		
Name of Shaft or Bore given by Geological Survey:		SK45NW 231		
Name and Number given by owner:		Nat. Grid Reference		
		4471 5812		
For whom made		1" N.S. Map No.	1" O.S. Map No.	Confidential or not
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				

SPECIMEN NUMBERS AND ADDITIONAL NOTES

(For Survey use only) GEOLOGICAL CLASSIFICATION	DESCRIPTION OF STRATA	THICKNESS		DEPTH	
		FT	IN.	FT	IN.
for samples.	Clay, pale grey - brown.			2	6
	Sandstone, pale grey			6	6
	Sandstone, brownish			7	6
				6	0
	Sandstone, pale brown, fine grained core fragmentary.	5	0	11	0
	Mudstone, grey, silty. Heavily iron stained in top 12". Sporadic sandstone bands.	14	0	25	0
	Mudstone, grey	2	2	27	2
	Coal	1	8	28	16
	Sandstone, mudstone, grey, with abundant distinct sandstones.	3	2	32	0
	Mudstone, grey	12	0	44	0
	Mudstone, grey, with silty patches	1	0	45	0
	Mudstone, grey	2	0	47	0
	Mudstone, dark grey, carbonaceous	2	6	49	6
	Mudstone, grey	2	4	51	10
	Coal	0	6	52	4
	Sandstone, mudstone, grey, silty, passes to siltstone at base.				
	Base of Hall.				

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GEOLOGICAL SURVEY OF GREAT BRITAIN		(For Survey use only)	
RECORD OF SHAFT OR BORE FOR MINERALS		6-inch Map Registered No.	
Name of Shaft or Bore given by Geological Survey:		SK45NW 231	
Name and Number given by owner:		Nat. Grid Reference	
For whom made		1" N.S. Map No.	
Town or Village		1" O.S. Map No.	
County		Confidential or not	
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			

SPECIMEN NUMBERS AND ADDITIONAL NOTES

(For Survey use only) GEOLOGICAL CLASSIFICATION	DESCRIPTION OF STRATA	THICKNESS		DEPTH	
		FT	IN.	FT	IN.
for samples.	Clay, grey, brown, silty.			3	6
	Sandstone, pale grey, with ironstone			5	4
	Sandstone, silty.			8	6
				8	0
	Sandstone, orange, fine grained, very soft.	2	0	10	0
	Sandstone, pale grey - buff, fine grained, with laminar streaming and carbonaceous - micaceous partings.	9	0	19	0
	Mudstone, grey, silty, with sporadic ironstone bands. Ironstone nodules in basal 1".	15	8	34	8
	Coal.	1	9	35	4
	Mudstone, dark grey, silty.	3	11	40	3
	Siltstone, dark grey, with plant fragments.	0	6	40	9
	Sandstone, pale grey, fine grained, with carbonaceous - micaceous partings and poorly preserved plant fragments.	1	5	42	2
	Mudstone, grey, with ironstone nodules.	0	4	42	6
	Mudstone, grey, silty, with sandstone and siltstone bands and laminae, and	7	6	50	0

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