



RECORD OF BOREHOLE NO. 563A

Ground level : 374.7ft. above O.D. Newlyn (4.7.63)

Dis. of boring : 8in.

Post-hole Auger to 10ft.
Shell and Auger to 30ft.

Lining tubes : Not used

Type of boring :

Daily Progress	Core Recovery or Sampling		Change of Strata			Description of Strata	
	Depth	Penetration type or type	Legend	Depth	O.D. Level		
23.4.63	1'6" - 3'0"	U(4)		1'0"	373.7	TOP SOIL	
	3'0" - 4'0"	D		3'0"	371.7	Stiff brown silty CLAY	
	4'0" - 5'6"	BD					
24.4.63	5'6" - 7'0"	U(4)				Very stiff mottled grey and brown slightly sandy shaly CLAY with fragments of fine shaly sandstone	
	7'0" - 11'6"	D					
24.4.63	11'6" - 13'0"	U(4)		11'0"	363.7	Stiff fissured grey shaly silty CLAY with bands of weathered grey shale	
	13'0" - 14'0"	D		13'6"	361.2		
				14'6"	360.2	Weathered dark grey coaly SHALE	
	14'0" - 16'6"	BD					
	16'6" - 18'0"	U(4)					Very stiff slightly fissured grey shaly silty CLAY grading to grey shale below 20ft. depth
	18'0" - 21'6"	D					
30.4.63	21'6" - 23'0"	U(4)		23'0"	351.7		
	23'0" - 24'0"	D					
	24'0" - 28'0"	BD					Gray silty SHALE
28'0" - 30'0"				30'0"	344.7		

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.

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

No ground-water was encountered during boring to 10ft. depth.
On the morning of 1.5.63 water stood at 1ft. depth.
Sample of ground-water taken.

MINISTRY OF TRANSPORT
LONDON-YORKSHIRE MOTORWAY
TROWELL TO BARLBOROUGH SECTION

Soils No :
2/3947
FIG. 174

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CENTRAL LABORATORY

HAYES



SK45NW/227
RECORD OF BOREHOLE NO. P5638

Ground level: 373.7ft. above O.D. Newlyn (4.7.63) Dia. of boring: 8in. to 13ft.
Shell and Auger and WX (28in. core) to 70ft.
Rotary Core Drilling Lining tubes: 8in. to 8ft.

Daily Progress	Core Recovery or Samples		Change of Strata			Description of Strata
	Depth	Percent Recovery or Type	Legend	Depth	O.D. Level	
				1'0"	372.7	TOP SOIL
	2'0"	D				
	7'0"	D				Stiff mottled grey and brown silty CLAY with fragments of grey silty fine sandstone
	10'0"	D		10'0"	363.7	
2.5.63	11'0"	D				Pale grey silty fine SANDSTONE with plant remains
	13'0"	D		18'6"	359.2	
						COAL
	20'0"			21'0"	352.7	
		45%				Broken SEATEARTH, grading to mudstone
				27'0"	346.7	
6.5.63	30'0"					Grey MUDSTONE with ironstone nodules
		55%		35'5"	338.2	
						Poorly laminated grey argillaceous fine SANDSTONE
	40'0"			40'0"	333.7	
				43'0"	332.7	Massive grey sandy MUDSTONE
						Laminated pale grey argillaceous fine SANDSTONE
		90%		48'2"	329.4	
						Grey shaly MUDSTONES and SHALES with ironstone nodules
7.5.63	50'0"			50'0"	329.7	
				50'2"	329.5	Bright pitchy COAL
		60%				Massive grey MUDSTONE with plant remains
				59'0"	318.7	
	60'0"			60'0"	313.7	Pale grey fine SANDSTONE
						Massive grey sandy MUDSTONE
				62'0"	311.7	
		90%				Poorly laminated grey medium to fine SANDSTONE; partly slumped
8.5.63	70'0"			70'0"	303.7	

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

Name of Shaft or Bore given by Geological Survey:

Name of Staff or 2010 graduate: David - Joshua not on reg 34 10563.A

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 J. Sample Date received 1963

Examined by.....

(For Survey use only)

6-inch Map Registered No.

SK45NW227

Nat. Grid Reference

44805740

1° N.S. Map
No.

1" O.S. Map
No.

Confidential
or not

SPECIMEN NUMBERS AND ADDITIONAL NOTES

[illegible]



GEOLOGICAL SURVEY OF GREAT BRITAIN

RECORD OF SHAFT OR BORE FOR MINERALS

Name of Shaft or Bore given by Geological Survey:

563 B.

Name and Number given by owner:

(For Survey use only)

6-inch Map Registered No.

SK45 NW 227

Nat. Grid Reference

For whom made

Town or Village

County

Exact site

Attach a tracing from a map, or a sketch-map, if possible.

1" N.S. Map No.

1" O.S. Map No.

Confidential or not

Purpose for which made

Ground Level at shaft relative to O.D.

If not ground level give O.D. of beginning of shaft bore

Made by

Date of sinking 1963

Information from J. or Samples (cont.)

Date received 1967

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

SPECIMEN NUMBERS AND ADDITIONAL NOTES



clay, grey-brown			2	0
clay			7	0
limestone, grey-brown, silty, with a				0
Coal (Top Hard) some fragmentary (old workings)	6	6	21	0
Seventeenth limestone, pale grey, with ironstone nodules and bands (some fragmentary)	19	0	30	0
Siltstone grey	8	0	38	0
Alternations of siltstone and sandstone laminae and bands	2	0	40	0
Siltstone grey with pale grey sandy laminae	2	0	42	0
Sandstone pale grey, fine grained, with carbonaceous micaceous partings in basal 12"	2	0	44	0
limestone grey, silty	16	0	48	0
limestone grey	2	0	50	0
Coal some fragmentary (? Dringol)	2	0	52	0
Seventeenth limestone grey, with nodules	2	0	54	0

2059273/1 1085 4m 11/61 XL

Name of Shaft or Bore given by Geological Survey:

5638

6-inch Map
Registered
No.

SKUSNW 227

GEOLOGICAL CLASSIFICATION	DESCRIPTION OF STRATA	THICKNESS		DEPTH	
		FT	IN.	FT	IN.
	8/5			54	0
	limestone, gray, silty, with plant fragments and transition bands.	16	0	58	0
	Siltstone, gray, with plant fragments.	1	0	59	0
	Sandstone, pale gray, fine grained, with silty mudstone laminae.	1	0	60	0
	limestone, gray, silty.	2	0	62	0
	Sandstone, pale gray, fine grained, with sporadic carbonaceous micaceous partings. "Mashui".	8	0	70	0
	Base of Hal				

DS90293/2 PS05 4m 11/61XL