



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 or Type	Legend	Depth	O.D. Level	
23.4.63	1'6" - 3'0" 3'0" - 4'0" 5'6" - 7'0" 7'0" -	U(4) D BD W		1'0" 3'0"	373.7 371.7	TOP SOIL Stiff brown silty CLAY
24.4.63	11'6" - 13'0" 13'0" - 14'0" 16'6" - 18'0" 18'0" - 21'6" - 23'0" 23'0" - 24'0" 24'0" - 30'0"	U(4) D BD W C { C {	   	11'0" 13'0" 14'0" 23'0"	363.7 361.2 360.2 351.7	Stiff fissured grey shaly silty CLAY with bands of weathered grey shale Weathered dark grey coaly shaly CLAYSTONE Very stiff slightly fissured grey shaly silty CLAY grading to grey shale below 20ft. depth Grey silty SHALE
30.4.63				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.  
C { — 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
				44'2"	329.4	Laminated pale grey argillaceous fine SANDSTONE
		90%				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
				62'0"	311.7	Massive grey sandy MUDSTONE
		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 2019 graduate: Brandon Johnson 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.

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.....

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

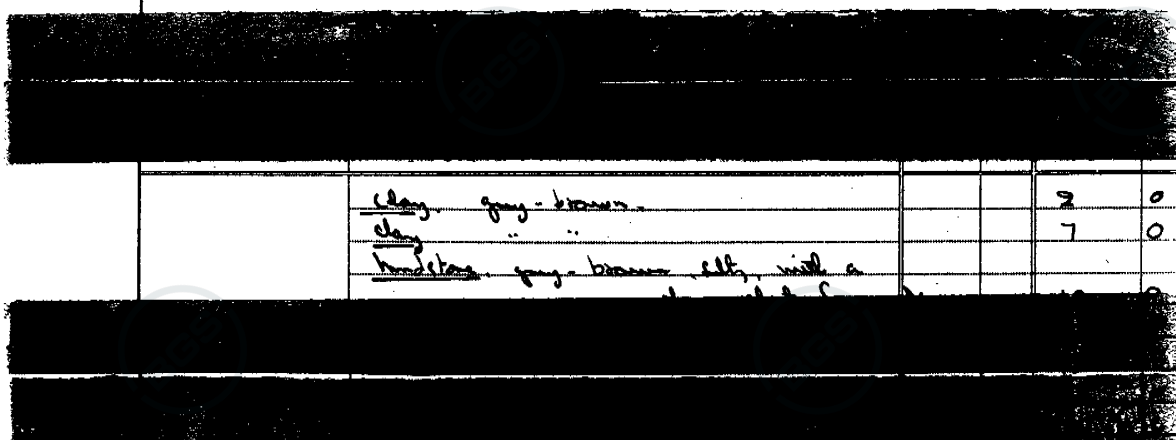
Date of sinking 1963

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
Sandstone, 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
Sandstone, 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 limestone, gray, silty, with plant fragments and transition bands.	16	0	54	0
	Siltstone, gray, with plant fragments.	1	0	55	0
	Sandstone, pale gray, fine grained, with silty mudstone laminae.	1	0	56	0
	limestone, gray, silty.	2	0	58	0
	Sandstone, pale gray, fine grained, with sporadic carbonaceous micaceous partings.	8	0	66	0
	Base of Hal				

DS90293/2 PS05 4m 11/61XL