

GEOLOGICAL SURVEY OF GREAT BRITAIN <div style="font-size: 1.5em; font-weight: bold; margin: 5px 0;">LONDON-YORKSHIRE</div> RECORD OF SHAFT OR BORE FOR MINERALS		(For Survey use only) 6-inch Map Registered No.			
Name of Shaft or Bore given by Geological Survey: <u>London - Yorkshire Motorway</u>	Bl. No. <u>613A</u> <u>SK46NG 67</u>				
Name and Number given by owner: _____	Nat. Grid Reference <u>4536 6712</u>				
For whom made _____ Town or Village _____ County _____ Exact site _____	<div style="border: 1px solid black; padding: 5px;"> { Attach a tracing from a map, or a sketch- map, if possible. </div>				
Purpose for which made _____	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; padding: 5px; vertical-align: top;"> 1" N.S. Map No. </td> <td style="width: 33%; padding: 5px; vertical-align: top;"> 1" O.S. Map No. </td> <td style="width: 33%; padding: 5px; vertical-align: top;"> Confidential or not </td> </tr> </table>		1" N.S. Map No.	1" O.S. Map No.	Confidential or not
1" N.S. Map No.	1" O.S. Map No.	Confidential or not			
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 <u>1963</u>				
Information from <u>Jan Samples. Core.</u>	Date received <u>1963</u>				
Examined by <u>D. J. Frost</u>					

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:

LONDON-YORKSHIRE

613 B.

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.....9/3

Information from For Samples in Case

Date received.....9/6/8

Examined by J. I. Frost, C. G. Brandy

SPECIMEN NUMBERS AND ADDITIONAL NOTES

(For Survey use only) GEOLOGICAL CLASSIFICATION	DESCRIPTION OF STRATA	THICKNESS		DEPTH	
		FT	IN.	FT	IN.
for samples.	Clay, pale gray, w/ orange mottled.			2	0
	Clay, gray, with orange staining			3	6
	limestone gray, with orange staining.			6	0
	limestone gray, with silty laminae.			8	6
	limestone			10	0
	limestone, pale gray with silty and sandy laminae, laminar staining			0	0
	2 1/2' transition zone at 9' 2" spanned				
	then (up to 3 1/2'), same below this	12	4	92	4
	Passing down to				
	Sandstone, gray, fine grained, occasional laminar microlamination as sand at 35' + "				
massive and coarser below 25'	7	8	30	0	
limestone gray, silty	4	0	34	0	
Sandstone, pale gray, fine grained some fragmentary	6	0	40	0	
	34 ft of hole.				

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

(For Survey use only)

6-inch Map Registered No.

Name of Staff at Port/given by Geological Survey:

LONDON - YORKSHIRE

613 c

SK 46NE 67

Name and Number given by owner:

MOTORWAY

Nat. Grid Reference

For whom made

Town or Village.

County.

Exact site

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

1st N.S. No.

O.S. Map
No.

Confidential
or not

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

[illegible]

Beck & Hale!



4536 6712 RECORD OF BOREHOLE NO. 613A 1

Ground level: 384.6ft. above O.D. Newlyn (28.4.63) 8in. to 6ft.
Dia. of boring: BX (2 1/2 in. core) to 60ft.
Type of boring: Shell and Auger and Rotary Core Drilling
Lining tubes: BX (2 1/2 in.) to 10ft.

Daily Progress	Core Recovery or Samples		Change of Strata			Description of Strata
	Depth	Percentage or Type	Legend	Depth	O.D. Level	
	1'0"	D		1'0"	383.6	TOPSOIL
	2'0"	D		2'0"	382.6	Friable yellow-brown silty CLAY with some sandstone fragments
	2'0" - 5'0"	BD				Weathered yellow-brown fine SANDSTONE
	5'0"	D		5'0"	379.6	
8.4.63	5'0" - 6'0"	BD				
	6'0"					
		45%				Ironstained yellow-gray fine SANDSTONE
	15'0"			15'0"	369.6	
		60%				
	20'0"					
		75%				
23.4.63	28'0"					
		70%				Well bedded, vertically fissured grey MUDSTONE: sandy at top with softer shaly horizons. Core broken. At 24ft. more broken and at 24ft. 9in. plant remains. Sandy from 24ft. to 38ft., thereafter shaly
24.4.63	40'0"					
		100%				
	45'0"					
		80%		49'0"	335.6	
				53'0"	331.6	Black coaly SHALE: vertically fissured; 4in. ironstone at base
25.4.63	55'0"					
		100%				Vertically fissured grey MUDSTONE
26.4.63	60'0"			60'0"	324.6	

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.

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

No ground-water was encountered during boring.

COAL MEASURES



SK46 NE 67

4536 6712





RECORD OF BOREHOLE NO. 0135

Ground level: 342.3ft. above O.D. Newlyn (24.4.63)

Dia. of boring: 8in. to 10ft. BX (18 in. core) to 40ft.

Type of boring: Shell and Auger and Rotary Core Drilling

Lining tubes: 8in. and BX (28 in. to 10ft)

Daily Progress	Core Recovery or Samples		Change of Strata			Description of Strata	
	Depth	Percentage or Type	Legend	Depth	O.D. Level		
9.8.63.				1'0"	341.3	TOPSOIL	
	2'0"	D				Mottled grey and brown silty CLAY	
	3'6"	D					
	6'0"	D					
	8'6"	D		8'0"	334.3		
	10'0"			10'0"	332.3	Weathered grey and brown silty SHALE	
	12'0"	100%				Grey shaly MUDSTONE; rusty weathered at top, grading to shale at base	
		60%					
	18'0"			18'0"	324.3		Poorly laminated grey argillaceous fine SANDSTONE
	19'0"			18'9"	323.5		
21'0"	100%		21'0"	321.3	Grey shaly MUDSTONE		
9.5.63.	25'0"	80%				Poorly cross laminated grey medium to firm sandstone; some steep ironstained fissures	
		70%					
	30'0"			30'0"	312.3		Grey shaly MUDSTONE
		60%					
10.5.63.	39'0"			39'0"	303.3	Weathered brown medium SANDSTONE	
	40'0"			40'0"	302.3		

COAL MEASURES



SK46NE 67 H536 6712

~~SK46NE 67~~
RECORD OF BOREHOLE NO. 613C

Ground level : 408.8ft. above O.D. Newlyn (26.7.63)

Dis. of boring : NX (2 1/2 in. core.)

Type of boring : Rotary Core Drilling

Lining tubes : NX (3 in.) to 20ft.

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		4'0"	404.8	
	10'0"	42%				Strongly weathered grey and brown MUDSTONE and fine SANDSTONE
	20'0"	100%		20'0"	398.8	
	30'0"	60%				Well bedded, fissured friable grey MUDSTONE clayey from 28ft. to 30ft.; 39ft. to 40ft.
	40'0"	50%		41'0"	367.8	
	50'0"	60%		47'0"	361.8	Coaly SHALE. Core broken
	60'0"	60%				Well bedded, laminated, ironstained, vertically fissured, grey-green MUDSTONE; broken at top with ironstones; becoming increasingly sandy towards base
30.4.63.	60'0"			60'0"	348.8	
		100%				Laminated, ironstained vertically fissured grey sandy MUDSTONE
1.5.63.	70'0"			70'0"	338.8	
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.			Remarks : (Observations on ground-water, etc.)			

COAL MEASURES