



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: LONDON-YORKSHIRE		SK46NE 90C	
Name and Number given by owner: MOTORWAY		Nat. Grid Reference	
For whom made		4538 6655	
Town or Village	County	1" N.S. Map No.	1" O.S. Map No.
Exact site	Attach a tracing from a map, or a sketch-map, if possible.	Confidential or not	
Purpose for which made			
Ground Level at ^{shaft} relative to O.D. _{bore}		If not ground level give O.D. of beginning of ^{shaft} _{bore}	
Made by		Date of sinking 9/63	
Information from for Samples Col.		Date received 9/63	
Examined by D. V. Frost, C. G. Bradley			

SPECIMEN NUMBERS AND ADDITIONAL NOTES

(For Survey use only) GEOLOGICAL CLASSIFICATION	DESCRIPTION OF STRATA	THICKNESS		DEPTH	
		FT	IN.	FT	IN.
for Samples	Loam, brown sandy, with sandstone (buff) fine grained fragments.			4	6
	Loam " " " " " "			5	0
	Sandstone, fine grained, micaceous, with black carbonaceous partings, coal fragments.			10	0
	Sandstone, micaceous, grey, silty, with small black fragments, with nodules.			12	0
	Sandstone, grey, fine grained, very fine grained, coarse nodules, with transition bands 20'-23'.			15	6
	Current bedded - part.			17	0
	Carbonaceous - micaceous partings, sporadic plant fragments, sporadic.				
	much coal lost.	11	0	28	0
	Sandstone, grey, silty and irregularly bedded in top 6", fine silty, and pebbly grey below this.				
	Sandstone bands sporadic.				
	Bands with very silty, laminae near base.	3	0	31	0
	Sandstone, grey, fine grained, with carbonaceous micaceous partings and plant fragments, much coal lost.	2	0	33	0
	Sandstone, grey, silty, in part, with sporadic transition bands.				
	much coal lost.	8	0	41	0

25/02/2011 15:05 4m 11/63 XL



LONDON-YORKSHIRE		6-inch Map Registered No.			
Name of Well or Bore given by Geological Survey:		SK46NE 90C			
MOTOPHILL		611c			
GEOLOGICAL CLASSIFICATION	DESCRIPTION OF STRATA	THICKNESS		DEPTH	
		FT	IN.	FT	IN.
	Brought forward			41	0
	limestone, black, with bituminous surfaces and coal seams. Very carbonaceous (Doubt record) thin as coal;	0	0	41	3
	limestone, grey, soft, friable.	1	3	42	6
	Sandstone, grey, fine grained, granular, with plant fragments and rootlets.	0	8	43	2
	Sandstone, grey, fine grained, massive				
	Will develop slump structures 43' 44'	1	10	45	0
	Siltstone, grey, with massive laminae				
	Sparsely fragmentary concretions and plant fragments	4	0	49	0
	Passing down to				
	Sandstone, grey, fine grained, micaceous, coarse texture.	2	0	51	0

2090293/2 PS05 4m 11/01/01



SK46 NE1
RECORD OF BOREHOLE NO. 61110

Ground level: 443.2ft. above O.D. Newlyn (25.7.63.)

8in. to 17ft.,
Dia. of boring: NX (2 1/2 in. core) to 5 1/2 in.

Type of boring: Shell and Auger and
Rotary Core Drilling

Lining tubes: NX (3 1/2 in.) to 17ft.

Daily Progress	Core Recovery or Samples		Change of Strata			Description of Strata <i>SK46NE 90C</i>		
	Depth	Percentage of Type	Legend	Depth	O.D. Level			
24.6.63	3'0" - 4'6"	U(1) D BD D		2'0"	441.2	TOPSOIL	FILL?	
	4'6" - 5'0"							Yellow-brown clayey SAND with sandstone fragments sand rather dirty (Possible Fill)
	5'0" - 10'0"			8'0"	445.2			
	10'0" - 10'0"	BD D		11'6"	446.7			Weathered and broken dirty yellow and grey SANDSTONE (Possible Fill)
	10'0" - 12'0"	BD D						
	12'0" - 12'0"	D		13'0"	449.2			Shattered COAL
	12'0" - 14'0"	U(1) D						
	14'0" - 15'6"			15'6"	447.7			Hard gray shaly CLAY
	15'6" - 17'0"	BD D						
	17'0" - 17'0"	D						
25.6.63	20'0"	100%					COAL MEASURES	
	25'0"	40%						
	28'0"	80%						
	29'0"	100%						
	31'6"	100%						
	34'0"	100%						
	41'0"	100%		41'0"	442.2			
	41'6"	100%		41'6"	441.0			Poor COAL
	41'6"	100%		41'6"	440.7			Black coaly SHALE
	42'6"	100%		42'6"	440.7			Broken gray shaly SLATE/SH
27.6.63		100%		46'0"	447.2			
	51'0"			51'0"	442.2			

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

MINISTRY OF TRANSPORT
LONDON-YORKSHIRE MOTORWAY
TROWELL TO BARLBOROUGH SECTION

Soils No: 3/3347
FIG.256