



**SK 45 NE 197A**  
**RECORD OF BOREHOLE NO. 556A/17**

Ground level: 470.6ft. above O.D. Newlyn (9.4.69.)      Dia. of boring: NX (2 1/2 in. core)

Type of boring: Rotary Core Drilling      Lining tubes: Not used

Daily Progress	Core Recovery or Samples		Change of Strata		Description of Strata
	Depth	Percentage or Type	Legend	Depth O.D. level	
	0'0"			1'6" 469.1	TOPSOIL
	5'0"	Non Coring		6'0" 464.6	Hard mottled grey-brown CLAY
		70%		7'6" 463.1	Black clayey SHALE
	7'6"			8'6" 462.1	Black fine SANDSTONE; low angled fissures
		33%		18'6" 456.1	Hard grey shaly CLAY; lightly ironstained and with plant remains
	18'6"			19'6" 445.1	COAL
		100%		20'0" 450.6	Hard grey shaly CLAY; occasional ironstone bands
				22'0" 447.6	Vertically fissured dark cream fine SANDSTONE; lightly and irregularly laminated in part
25.5.63	26'0"			24'3" 446.3	Well bedded grey MUDSTONE
	30'0"	100%			
		100%			
	40'0"			41'6" 429.1	
		100%		44'3" 426.3	Broken hard grey CLAY with ironstone nodules
	47'0"				
		100%			Vertically fissured, well bedded grey MUDSTONE; broken in part, occasional ironstones
	52'0"			53'4" 417.3	
		100%		58'0" 416.6	Black coaly SHALE
				58'11" 413.8	Grey SHALE, bossy with plant remains
				58'11" 414.7	Black coaly SHALE; pyritous with plant remains
				58'9" 413.8	COAL
	60'6"				
		100%			Broken grey soapy clayey MUDSTONE, with abundant plant remains to 59ft.6in.; black and coaly from 59ft.2in. to 70ft.8in.
	68'0"				
		86%			
27.5.63	75'0"			75'0" 395.6	

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

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



4522 5640 SK45NE 97A RECORD OF BOREHOLE NO. 556A/1

Ground level: 470.6 ft. above O.D. Newlyn (9.9.43.)

Dia. of boring: 8 in.

Type of boring: Post-hole Auger

Lining tubes: Not used

Daily Progress	Core Recovery or Samples		Change of Strata			Description of Strata	COAL MEASURES
	Depth	Percentage or type	Legend	Depth	O.D. Level		
22.9.63	5'0"	D U(4) D		1'3"	460.3	TOPSOIL	
	5'0" - 5'6"					Stiff mottled grey and brown silty CLAY with fragments or bands of shale	
	5'6"						
				7'6"	463.1		
				8'0"	462.6	Black SHALE	

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:  
3/3847

FIG. 158

GEORGE WIMPEY & CO., LTD. CENTRAL LABORATORY HAYES