



SK45 NE 96A
4525 3640
Ground level: 403.5 ft. above O.D. Keelyn (S.D. 63) Dia. of boring: 4 1/2 in. (114.3 mm) (1 in. to 30 ft. 6 in.)
Type of boring: Rotary Core Drilling Lining tubes: 4 1/2 in. (114.3 mm) to 30 ft. 6 in.

Daily Progress	Core Recovery or Sample		Change of Strata		Description of Strata
	Depth	Percentage of Type	Legend	Depth O.D. Level	
	0' 0"				
	15' 0"	100%		15' 0" 475.5	Brown CLAY, broken and softened grey SHALE
	20' 0"	100%		20' 0" 478.0	Weathered, broken and softened grey SHALE
	30' 0"	100%			
	38' 0"	100%			Grey MUDSTONE and sandy mudstone; core generally broken, some sandy bands and ironstones
28.2.63	46' 0"	100%			
	56' 0"	100%		56' 0" 484.0	
29.2.63	62' 6"	100%		62' 6" 491.0	Dark grey and black shaly MUDSTONE and SHALE, thin ironstones at base
	66' 6"	85%		66' 6" 497.0	Grey MUDSTONE with numerous plant remains; becoming dark grey and soapy at base
30.3.63	72' 6"				Irregularly laminated grey argillaceous fine SANDSTONE, shallow dip
		90%		75' 6" 518.0	
				76' 0" 516.7	Dark grey and black shaly MUDSTONE with numerous plant remains
	82' 0"	100%			Irregularly laminated grey argillaceous fine SANDSTONE, broken and ironstained from 87ft. to 89ft.
	92' 0"	100%		89' 9" 503.7	
	102' 0"	100%		102' 0" 391.4	Poorly bedded grey fine to medium SANDSTONE; rusty weathered fissured and general ironstaining from 90ft. to 98ft., with near vertical calcite veinlets. Occasional ironstained fissures below 96ft.
1.4.63	110' 0"	100%			Well bedded pale grey MUDSTONE, becoming dark, shaly and with ironstones with depth; some tight vertical fissures
	112' 6"	50%		112' 0" 391.5	
	114' 0"	50%		114' 0" 379.5	Dark grey soapy SHALE; profuse plant remains
	116' 6"	50%			Massive, generally dull, pyritous COAL, pitchy in part
		50%		Approx. 117' 0" Approx. 374.5	
	125' 0"				Grey SEATEARTH, with ironstone nodules, grading, with depth, to mudstone
	130' 0"	100%		127' 0" 366.5	
					Grey and pale brown MUDSTONE with plant remains, becoming softer, soapy and shaly, with numerous plant remains, below 130ft.; dip shallow
2.4.63	136' 0"	65%		136' 0" 357.5	

Key to type of sample:
U (4) — 4 in. dia. undisturbed sample.
U (1 1/2) — 1 1/2 in. dia. undisturbed sample.
D — disturbed sample.
BD — bulk disturbed sample.
W — water sample.

Remarks: (Observations on ground-water, etc.)
wash water return lost at 96ft. depth.



GEOLOGICAL SURVEY OF GREAT BRITAIN

RECORD OF SHAFT OR BORE FOR MINERALS

Name of Shaft or Bore given by Geological Survey:

London - Yorkshire Waterway. Bn. No. 555A.

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

Made by

Date of sinking 1963

Information from Cones.

Date received 1963

Examined by D.V. Frost

(For Survey use only)

6-inch Map Registered No.

SK45NE 96 A

Nat. Grid Reference

4525 5640.

1" N.S. Map
No.

1" O.S. Map
No.

Confidential
or not

SPECIMEN NUMBERS AND ADDITIONAL NOTES

NB. Core recovery very poor, thus thickness and depths are very approximate.

(For Survey use only) GEOLOGICAL CLASSIFICATION	DESCRIPTION OF STRATA	THICKNESS		DEPTH	
		Ft	in.	Ft	in.
				12	0
only 1'11" of core recovered	Clay, grey and brown.	1	6		
	Hardstone, dark grey, with a transition to shale.	0	1		
	Sandstone, dark grey, fine grained, with plant fragments & carbonaceous partings.	0	14		
				20	0
	Hardstone, grey, silty, mainly, but with non-silty patches. Sporadic transition bands.				
	Plant fragments towards base.	10	2	30	2
	Hardstone, grey, fish scale at 39'.	6	10	37	0
	Hardstone, grey, silty, with sporadic mudclasts.	4	0	41	0
	Hardstone, grey, silty in parts, non-silty in others. Much same lost.	19	0	60	0
	Hardstone, black, carbonaceous, with fish scales.	0	9	60	3
	Hardstone, small darkish-grey, dark grey, silty, rooty, with transition nodules in bed at 3'6".	5	3	66	0
	Hardstone, dark grey, with little or no plant fragments.	3	0	69	0

2030223/1 2505 4m 11/61 XL

Name of Shaft or Bore given by Geological Survey:

555A

6-inch Map
Registered
No.

SKUSNE 96A

GEOLOGICAL CLASSIFICATION	DESCRIPTION OF STRATA	THICKNESS		DEPTH	
		FT	IN.	FT	IN.
	Brought forward.			68	0
	<u>Sandstone</u> and silty mudstone interstratifications.	2	0	70	0
	<u>Mudstone</u> , gray - dark gray, carbonaceous.	1	9	71	9
	<u>Sandstone</u> , gray, fine grained, with sporadic carbonaceous - muscovite partings.				
	<u>Siltstone</u> and silty mudstone lenses near top.				
	Very red, with much parting associated with dense staining - basal 10'.	21	3	102	0
	<u>Mudstone</u> , gray, silty.	8	0	110	0
	<u>Mudstone</u> , gray, with fracture nodules and mottles.	2	0	112	0
	<u>Mudstone</u> , black, carbonaceous, with coalified plant remains.	1	0	113	0
	? Old workings (1/2' core lost)	4	0	117	0
	<u>Subsilty mudstone</u> , gray.	1	0	118	0
	<u>Coal</u> , bright, pyritic.	1	5	119	5
	<u>Subsilty mudstone</u> , gray, with fracture nodules.	1	0	120	0
	<u>Mudstone</u> , gray, with fracture bands	1	7	121	0
	and well preserved plant fragments	1 1/2	0	135	0
	Passing down to				
	<u>Mudstone</u> , gray, silty.	1	0	136	0
	Base of Hole.				

DS98293/2 P525 Am 11/6/1 x L