



RECORD OF BOREHOLE NO. P586

Ground level: 544.1ft. above O.D. Newlyn (11.4.63) Dia. of boring: 8in. to 4ft. 6in.  
Type of boring: Shell and Auger and Rotary Core Drilling Lining tubes: NX (28in. core) to 120ft.  
NX (3in.) to 20ft.

Daily Progress	Core Recovery or Samples		Change of Strata			Description of Strata
	Depth	Percent age or type	Legend	Depth	O.D. Level	
1.4.63	2'0" 4'6" 8'6"	0 D D		4'0"	540.1	Yellow-brown very silty CLAY with some fine sandstone fragments
	8'0"	80%				
	13'0"	100%				
		100%				
8.4.63	23'0"					
	33'0"	100%				Partly cross bedded cream fine SANDSTONE, becoming silty from 5ft. 7in. Stiff clay seam from 5ft. 1in. to 5ft. 7in. Occasional ironstone nodules from 27ft. Occasional ironstained vertical fissures throughout. Mudstone laminae becoming prominent towards base
		100%				
	43'0"	100%				
	51'0"	100%				
		100%		56'0"	488.1	
9.4.63	61'0"					Gray shaly MUDSTONE; from 60ft. well bedded, fissured with thin ironstone; plant remains at 65ft. 6in. and from 70ft. Occasional ironstones
	70'0"	100%		70'6"	479.6	
				72'0"	approx. 472.1	Dark grey soapy SEATEARTH; shaly at 71ft.
				72'5"	approx. 471.6	Bright COAL
	80'0"	60%				Gray SEATEARTH; becoming shaly from about 72ft. 9in.; at 74ft. more broken and buff in colour
				80'0"	464.1	
10.4.63	86'0"	100%				Gray shaly silty MUDSTONE; grading to muddy fine sandstone from 86ft. 6in. to 86ft. 10in., and 89ft. to 94ft.; plant remains throughout and occasional ironstone nodules
		80%		94'0"	449.3	
	96'0"			95'6"	448.5	Dark grey soapy SEATEARTH
				97'0"	447.1	Dark grey coaly SHALE grading at 95ft. 10in. to broken grey shaly silty mudstone with black plant remains and small ironstone nodules at base
				97'9"	446.3	
				98'3"	445.8	Gray fine SANDSTONE
		20%		98'6"	445.4	Gray shaly MUDSTONE
	106'0"					Black coaly SHALE, thin poor coal at top
		100%				Gray MUDSTONE with plant remains. Becoming sandy at 99ft. 3in. and shaly from 105ft. 6in. Fissured at 102ft. Occasional ironstones towards base
11.4.63	111'0"			113'0"	431.1	
				113'4"	430.8	Pitchy COAL, with dirt bands
		90%				
16.4.63	120'0"			120'6"	424.1	Partly laminated gray fine SANDSTONE

COAL MEASURES

**GEOLOGICAL SURVEY OF GREAT BRITAIN**

# RECORD OF SHAFT OR BORE FOR MINERALS

Name of Shaft or Bore given by Geological Survey:

586

Name and Number given by owner: 5507

**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 Conf.

Date received..... 1963

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.
	Sandstone, pale gray, fine grained, Top 1/2' stained buff. 3" siltstone band at 1 1/2'. Carbonaceous micaceous partings at 9' Silty mudstone pellets at 26'-27'. 3" siltstone nodules at 29'6". The rock is much discolored and contains mudstone pellets between 35-40', with some natural fishbone. <del>Mudstone gray, slightly silty,</del> Continued on next page.			1 1/2	6
		50	6	55	0
				56	0



Name of Staff or Person given by Geological Survey:

LONDON YORKSHIRE

586.

6-inch Map  
Registered  
No.

SK46SW 41

GEOLOGICAL CLASSIFICATION	DESCRIPTION OF STRATA	THICKNESS		DEPTH	
		FT	IN.	FT	IN.
	Brought forward.			22	0
	limestone, grey, silty, becoming less silty to base.				
	sparsely transition duct.				
	sparsely plant fragments.				
	long dark grey band at 60'	16	0	11	0
	limestone, dark grey, silty, with plant fragments.	5	0	14	0
	limestone, grey, dark grey, with transition nodules some fragmentary.	6	0	30	0
	limestone, grey, silty, with transition nodules no sparsely plant fragments.	2	3	48	0
	limestone, grey, fine grained, with concretionary micaceous partings.	2	6	85	0
	limestone, grey, silty, with transition nodules no sparsely plant fragments.	4	0	89	0
	sandstone, grey, fine grained with concretionary micaceous partings, massive laminae no transition nodules.	4	0	93	0
	Putting down its				
	limestone, grey, silty, with transition nodules no plant fragments.	0	6	95	0
	limestone, dark grey, silty.	0	6	94	0
	limestone (some fragmentary), limestone, grey, silty.	2	6	96	0
	limestone, grey, silty.	0	6	91	0
	sandstone, grey, fine grained, with concretionary micaceous partings.	0	9	91	0
	limestone, grey, silty.	0	2	98	0
	bed inferior.	0	1	98	0
	limestone, dark grey-black with hard scars.	0	2	98	0
	limestone, grey with well preserved plant fragments.	0	2	98	1
	Alternations of sandstone siltstone limestone				
	limestone, massive.	6	11	95	0
	limestone, grey, slightly silty.				
	sparsely transition nodules.				
	fine transition nodules of plants.				
	finest dark grey-black - well 3"	0	6	113	0
	bed.	0	6	113	0
	sandstone, grey, fine grained, massive concretionary micaceous	6	7	20	0
	Base of rock.				

20598293/2 P485 4m 11/61 XL