

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

4487 6130  
SK46SW41B

| 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"<br>4'6"<br>8'6"     | 0<br>D<br>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   |
|                |                          | 100%                |                  | 80'0"  | 464.1         |   |
| 10.4.63        | 86'0"                    |                     |                  |        |               | 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"                    |                     |                  | 95'5"  | 448.5         | Dark gray soapy SEATEARTH   |
|                |                          |                     |                  | 97'0"  | 447.1         | Dark gray coaly SHALE grading at 95ft. 10in. to broken gray shaly silty mudstone with black plant remains and small ironstone nodules at base   |
|                |                          |                     |                  | 97'5"  | 446.3         |   |
|                |                          |                     |                  | 98'5"  | 445.3         | Gray fine SANDSTONE   |
|                |                          | 20%                 |                  | 99'0"  | 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"                   |                     |                  | 120'0" | 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.....963

Information from Conf.

Date received..... 1963

Examined by D. V. Frost. C. G. Bradley

## SPECIMEN NUMBERS AND ADDITIONAL NOTES

| (For Survey use only)<br>GEOLOGICAL<br>CLASSIFICATION | DESCRIPTION OF STRATA  | THICKNESS |     | DEPTH |     |
|---|--|-----------|-----|-------|-----|
|   |  | Ft        | In. | Ft    | In. |
|   | Sandstone, pale gray, fine grained,<br>Top 1/2' stained white.<br>3" siltstone band at 1 1/2'.<br>Carbonaceous micaceous partings at 9'<br>Silty mudstone pellets at 26'-27'.<br>3" siltstone nodules at 29'6".<br>The rock is much discolored and<br>contains mudstone pellets between 35-40',<br>with some natural fishbone.<br><del>Mudstone gray, slightly silty,</del><br>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<br>CLASSIFICATION | DESCRIPTION OF STRATA  | THICKNESS |     | DEPTH |     |
|------------------------------|--|-----------|-----|-------|-----|
|                              |  | FT        | IN. | FT    | IN. |
|                              | Brought forward.   |           |     | 22    | 0   |
|                              | limestone, grey, silty, becoming less<br>silty to base.  |           |     |       |     |
|                              | sparsely transition duct.  |           |     |       |     |
|                              | sparsely plant fragments.  |           |     |       |     |
|                              | long dark grey band at 60'   | 16        | 0   | 11    | 0   |
|                              | limestone, dark grey, silty, with<br>plant fragments.  | 5         | 0   | 14    | 0   |
|                              | limestone, grey, dark grey, with<br>transition nodules some fragmentary.   | 6         | 0   | 30    | 0   |
|                              | limestone, grey, silty, with transition<br>nodules and sparsely plant fragments.                                       | 2         | 3   | 48    | 0   |
|                              | limestone, grey, fine grained, with<br>concretionary micaceous partings.   | 2         | 6   | 85    | 0   |
|                              | limestone, grey, silty, with transition<br>nodules and sparsely plant fragments.                                       | 4         | 0   | 89    | 0   |
|                              | sandstone, grey, fine grained with<br>concretionary micaceous partings,<br>massive laminae with transition<br>nodules. | 4         | 0   | 93    | 0   |
|                              | Putting down its   |           |     |       |     |
|                              | limestone, grey, silty, with transition<br>nodules and plant fragments.  | 0         | 6   | 95    | 0   |
|                              | limestone, dark grey, silty.   | 0         | 6   | 94    | 0   |
|                              | limestone (some fragmentary),<br>limestone, grey, silty.   | 2         | 6   | 96    | 0   |
|                              | limestone, grey, silty.  | 0         | 6   | 91    | 0   |
|                              | sandstone, grey, fine grained, with<br>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<br>hard scars.   | 0         | 2   | 98    | 0   |
|                              | limestone, grey, with all prominent<br>plant fragments.  | 0         | 2   | 99    | 1   |
|                              | Alternatives of sandstone<br>siltstone<br>limestone  |           |     |       |     |
|                              | limestone, massive.  | 6         | 11  | 95    | 0   |
|                              | limestone, grey, slightly silty.   |           |     |       |     |
|                              | sparsely transition nodules.   |           |     |       |     |
|                              | fine transition nodules and plants.  |           |     |       |     |
|                              | finest dark grey-black - with 3"   | 0         | 6   | 113   | 0   |
|                              | bed.   | 0         | 6   | 113   | 0   |
|                              | sandstone, grey, fine grained, massive<br>concretionary, micaceous.  | 6         | 7   | 20    | 0   |
|                              | Base of rock.  |           |     |       |     |

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