



NGRC
BOREHOLE RECORDS
ADJUSTMENT FORM



British
Geological
Survey

QUARTER SHEET

SK 45 NW

BH REGISTRATION NUMBER

284 - 300

~~NUMBER NOT USED~~

/

~~! LOG MISSING !~~

(Delete as appropriate)

Records entered and held in Wallingford



1063 Wt. 22492/0384 10m 7/45 (51) F.A.S.

RECORD OF SHAFT OR BORE FOR MINERALS

Name and Number of Shaft or Bore Blackwell A Winning
No. 1 Kilkenny Borehole (Underground)

For Messrs. N.C.B.

Town or Village _____

County Derbyshire Six-inch quarter sheet 36 NW/W

Exact site SK 45NW 4427 5879

Purpose for which made Exploration of Kilkenny coal

Level at which shaft commenced relative to O.D. 6-568.14 State if shaft up, down, horizontal or inclined; in latter cases give angle of inclination and direction _____

Made by N.C.B.

Information from Specimens collected by Date of Sinking _____
C. H. R. Hughes

Specimens _____

Additional Notes in Space Overleaf Sited by O on 6"
Derby 36 NW/W 11/18

(For Survey use only)
6-inch Map Registered No. 112/234
SK 45 120

6-inch Map Registered No. M

Attach a tracing from a map, or a sketch-map, if possible.

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	THICKNESS		DEPTH	
UPPER CARBONIFEROUS WESTPHALIAN A	Open hole	7	9	7	9
	Sandstone, grey.	0	6	8	3
	Siltstone, grey with patches of ironstone; bands of siltstone from 14'-5" to 15'-7"	8	8	16	11
	Sandstone, light grey.	3	10	20	9
	Siltstone, grey with sandstone bands 2-in ironstone band @ 21'-10"	3	9	24	6
	Mudstone, silty, grey with patches of siltstone; 4-in sandstone band 25'-0"; occasional ironstone bands.	4	2	28	8
	Mudstone, grey with very occasional ironstone bands; fragmentary 'mussel' at 30'-5"				
	Small planolites below 40'-9"	12	10	41	6
	Siltstone, dark grey.	1	8	43	2
	Mudstone, silty, grey.	0	7	43	9
	Mudstone, grey with occasional ostracods and Anthracozonites; fairly numerous planolites.	2	0	45	9
	Mudstone, dark grey, silty with coal streaks.	0	1	45	10
	COAL 1-in	0	1	45	11
	Carbonaceous shale.	0	1	46	0
	Seatearth: mudstone, grey with abundant rootlets.	0	7	46	7
COAL, silty, 2-in	0	2	46	9	
	Continued		Overleaf		

GEOLOGICAL SURVEY AND MUSEUM,
SOUTH KENSINGTON,
LONDON, S.W.7.

Date received _____

Correspondence File No. _____

1" N.S. Map No. _____

1" O.S. Map No. _____

Site marked (use symbol) on 1" Map _____ on 6" Map _____

2

(2781) *D40586/W164875 5,000 4/55 JC&S Gp688

Name and Number of Shaft or Bore given by Geological Survey:

Blackwell A' No. 1 Underground B.H.

112 SK45 20
County
6" Quarter Sheet
234

GEOLOGICAL CLASSIFICATION	DESCRIPTION	THICKNESS			DEPTH	
WESTPHALIAN A	Seacoth: mudstone, brownish grey with abundant rooklets and lentic surfaces; occasional coal partings in top 6 in. becoming grey from 4.8' 0" with small ironstone nodules	3	1		46	9.
	Siltstone, grey with occasional rooklets.	2	2		52	0.
	Sandstone, grey with occasional rooklets.	1	0		53	0.
	Sandstone, light grey with dark grey carbonaceous micaceous partings; rooklets in top 6 in.	6	5		59	5.
	Mudstone, grey with ? worm tracks and planolites.	0	1		59	6.
	Coal	0	4		59	10.
	Seacoth: mudstone, silty, dark grey with numerous rooklets.	1	2		61	0.
	Seacoth: mudstone, grey with numerous rooklets.	1	7		62	7.
	Seacoth: Sandstone, grey with silty patches, fairly numerous rooklets and occasional ironstone nodules.	3	0.		65	7.
	Sandstone, creamy grey, slump- bedded down to 66' 10"; occasional micaceous partings; numerous siltstone partings below 71' 0"	11	0		76	7.
	Mudstone, grey, silty in top foot with silty patches below; planolites and ? worm tracks; occasional ironstone bands.	7	5		84	0.
	Shale, dark grey with occasional fish fragments.	2	5		86	5.
	Mudstone, grey.	1	1		87	6.
	Mudstone, fairly dark grey, very numerous silty and slightly carbonaceous, with plant fragments below 88' 0".		10		88	4.
	Coal	0	3		88	7.
	Seacoth: mudstone, brownish grey with abundant rooklets.	0	8.		89	3.
	Seacoth: mudstone, silty, grey with rooklets and fairly numerous ironstone nodules.	5	4		94	7.
	Sandstone, light grey with numerous grey siltstone bands and partings especially in top 2' 0"; numerous micaceous partings below 100' 0"	19	6		114	1.

3

(2781) *D40686/Wt64875 5,000 4/85 JC&S Gp688

Name and Number of Shaft or Bore given by Geological Survey:

Blackwell 'A' Winning No. 1 Underground B.H.

(3)

112 SK 45/20
County
6" Quarter Sheet
234

GEOLOGICAL CLASSIFICATION	DESCRIPTION	THICKNESS		DEPTH	
WESTPHALIAN A	limestone, silty, grey with patches of siltstone; ? worm tracks in bottom 1 in.	0	11	114	1
	COAL	0	8	115	0.
	Sealeath: limestone, grey with humorous rocklets and occasional ironstone nodules.	2	11	115	8.
	Sealeath: siltstone, grey with light grey sandstone partings and rocklets.	1	5	118	7.
	Sandstone, creamy grey with humorous carbonaceous micaceous partings.	7	10	120	0.
	Siltstone, grey	3	5	127	10
	limestone, silty, grey with Planolites and ? worm tracks.	2	9	131	3.
	limestone, grey with ? worm tracks and Planolites.	3	0	134	0.
	Interbedded siltstone and sandstone with plant fragments.	3	0	137	0.
	Siltstone, grey with plant fragments; sandstone partings in bottom 15 in.	3	0	140	0.
	Sandstone, light grey with micaceous partings	7	3	147	3.
	limestone, silty, grey and ironstone band.	2	9	150	0.
	Sandstone, light grey with numerous carbonaceous micaceous partings, abundant plant fragments; 15 in band of siltstone at 155'-4".	2	1	152	1.
	limestone, silty, grey with patches of siltstone in top foot; occasional ? worm tracks; Planolites below 166'-5"; fragmentary 'hussel' @ 167'-0".	5	9	157	10
	2 in ironstone band @ 170'-6 with siltstone patches below;	18	2	176	0
	2 in ironstone band @ 175'-3".	3	0	179	0.
	limestone, grey with Planolites + ? worm tracks.	1	8	180	8.
	Shale, fairly dark grey with numerous fish fragments.	3	3	183	11
	limestone, grey with Planolites and ? worm tracks; becoming fairly dark grey with only occasional Planolites in bottom foot.				

(2781) *D40586/W154976 5,000 4/88 JCS Gp88

Name and Number of Shaft or Bore given by Geological Survey:

Blackwell A No.1 Underground B.H.

(4)

County
6" Quarter Sheet
112 SK45/20
234

GEOLOGICAL CLASSIFICATION	DESCRIPTION	THICKNESS		DEPTH	
WESTPHALIAN A	Core fragments seen, including 1/2 in. of cannel.	0	3	183	11
	Seatearth: mudstone, fairly dark grey with rootlets.	0	7	184	2.
	Seatearth: mudstone, light brown with numerous rootlets.	1	6.	184	9.
	Seatearth: mudstone light grey with numerous rootlets.	0	9.	186	3.
	Seatearth: sandstone, light grey with siltstone partings, ironstone nodules and rootlets.	0	9.	187	0
	mudstone, silty, grey with occasional plant fragments.	2	3	189	3.
	Interbedded grey siltstone and light grey sandstone; sporadic worm tracks.	2	11	192	2.
	mudstone, grey with silty mudstone patches in top 3 feet; occasional planolites + very occasional traces of 'mussels'.	6	8.	198	10.
	mudstone, fairly dark grey; rather silty in top 14 in.; very occasional thin ironstone bands; ostracods; ? worm tracks + planolites; 2 1/2-in ironstone band @ 207'-8"; traces of 'mussels' at 209'-5"; occasional fish fragments below 211'-0"; Anthracozonaria at 212'-5" with very poorly preserved 'mussel' below + being very numerous on certain bedding planes; below 226'-0" 'mussels' represented only by Anthracozonaria; Sinecidites in bottom 5 feet.	6	10	205	8.
	mudstone, dark grey with occasional worm tracks + fairly numerous fish fragments.	25	1	230	9.
	Canneloid shale.	10	0.	240	9.
	mudstone, dark grey with abundant plant debris; Canneloid in basal 2 in.	0	0 1/2	240	9 1/2
	Seatearth: mudstone, grey with numerous rootlets and occasional ironstone nodules.	0	6	241	3 1/2.
	Siltstone, grey with occasional rootlets.	8	3 1/2	249	7.
	mudstone, grey with occasional ironstone bands; ? worm tracks + planolites; Sinecid @ 264'-6"; occasional plant fragments; becoming fairly dark grey from 265'-0" with	1	1	250	8-

(2781) *Dd0586/W184575 5,000 4/55 JC&S Gp689

Name and Number of Shaft or Bore given by Geological Survey:

Blackwell 'A' No.1 Kilburn B.H.

112 SK45/20
6" Quarter Sheet
234

GEOLOGICAL CLASSIFICATION	DESCRIPTION	THICKNESS		DEPTH	
		feet	inches	feet	inches
WESTPHALIAN A	limestone (continued)	brought forward		250	8.
	very occasional 'mussels'; becoming silty with fish fragments in basal 3 in.	16	7	267	3
	Seatearth: limestone, grey with numerous rootlets & occasional ironstone nodules.	1	9	269	0
	Sandstone, light grey with numerous carbonaceous micaceous partings and a few rootlets in top foot.	6	7	275	7.
	limestone, silty, grey with small brown ironstone concretions in top 2 feet; ? worm tracks and Planolites from 278'-0"; 12 in band of siltstone, fairly dark grey @ 282'-9"; 1 in band of shelly ironstone @ 284'-8".	9	1	284	8.
	limestone, grey with occasional silty patches; Planolites; numerous 'mussels' from 280' to base.	6	1	290	9.
	Siltstone, finely dark grey	2	3	293	0
	Seatearth: limestone, grey with rootlets and planar fragments; 3 in ironstone band @ base	1	9	294	9.
	limestone, grey; planar fragments in top 6 in. Planolites and occasional ironstone bands.	11	8	306	5
	Shale, dark grey with 'mussels' and ostracods; silty in basal 4 in. with fish fragments	1	3	307	8.
	Coal 3 in. with shale partings	0	3	307	11
	Seatearth: limestone, brownish grey with numerous rootlets and lenticular surfaces	0	5	308	4
	Seatearth: siltstone, grey with numerous rootlets.	3	1	311	5.
	Sandstone, creamy grey with numerous micaceous partings which are sometimes carbonaceous.	45	11	317	4.
	Siltstone, grey with bands of light grey sandstone; scattered planar fragments; 2 ft. band of sandstone @ 325 ft 6 in; sandstone ceases below 330 ft.	17	8	335	0
	limestone, silty, grey; vague Planolites.	10	0	345	0.
	limestone, grey with silty patches; Planolites; 'mussel' fragments @ 345 ft 8 in.	3	6.	348	6

(2781) *D40586/W464575 5,000 4/55 JC&S Gp689

Name and Number of Shaft or Bore given by Geological Survey:

Blackwell 'A' No.1 Killbarn Borehole.

112 SK45/20
County
6" Quarter Sheet
234

Geological Classification	Description	Thickness	Depth
WESTPHALIAN A	<i>Brongniart foramen</i> Mudstone, silty, grey with Planolites	9 6	348 6 in.
	Mudstone, grey with silty partings; Planolites.	4 0	358 0.
	Mudstone, grey with Planolites + Belonchape kochi.	5 1	362 0.
	Lower Seatearth: Sandstone, grey with indistinct nodules.	1 0	367 1.
	Seatearth: Mudstone, silty, grey; humorous nodules + occasional ironstone nodules.	2 2	368 1.
	Sandstone, light grey with numerous carbonaceous micaceous partings; occasional nodules; 8-in band of siltstone with nodules @ 372 ft.	2 9	370 3.
	Siltstone, grey with light grey sandstone partings; 8-in. band of sandstone @ 376 ft 2 in.	4 0	373 0.
	Sandstone, creamy grey; numerous micaceous partings some of which are carbonaceous.	6 0	377 0.
	Siltstone, grey with partings of light grey micaceous sandstone from 15 384 ft 10 in.; numerous Planolites below this depth.	16 1	383 0.
	Mudstone, silty, grey with Planolites	4 11	399 1.
	Mudstone, grey with Planolites and Belonchape kochi; very occasional Anthraconauta; silty, with fish fragments in bottom 8 in.	13 4	404 0.
	Siltstone, fairly dark grey; fish fragments. Abrupt base.	0 9	417 4.
	Sandstone, light grey with dark micaceous partings.	2 8	418 1.
	Interbedded siltstone and sandstone; Sporadic plant debris; abundant micaceous, carbonaceous partings below 429 ft.	16 3	420 9.
	Sandstone, light grey; a band of ironstone nodules at 443 ft. and at 445 ft 6 in; Sporadic carbonaceous micaceous partings; a band of ironstone nodules at 447 ft 8 in. ; a band of siltstone fragments at 449 ft 6 in.	60 5	437 0.
BASE OF HOLE.			497 5

CSG
FEB/91

