



1063 Wt. 22438/0384 10m 7/45 (51) F.&S.

RECORD OF SHAFT OR BORE FOR MINE

(For Survey use only)

Name and Number of Shaft or Bore **BLACKDELL 'A' WINNING**
NO. 2 KILBURN BOREHOLE (Underground)

SK45NW/33
235

For Messrs. **NCB.**

Town or Village

County **Derbyshire** Six-inch quarter sheet **36 NW1W**

6-inch Map
Registered
No.

M

Exact site **National Grid Reference 444765.6**

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

Memor. says 4476 5937 (p. 300) 359378.5

Purpose for which made **exploration for coal**

Level at which ~~shaft~~ ^{bore} commenced relative to O.D. **-619.72**

State if ~~shaft~~ ^{bore} is up, down, horizontal or

inclined; in latter cases give angle of inclination and direction

Made by **NCB**

Information from **Specimens collected + cone** Date of Sinking

Specimens **examined by G. H. H. H. H.**

Sited by O on 6"

Additional Notes in Space Overleaf

Derby 36 NW1W. p. 1/58

(For Survey use only)
(GEOLOGICAL
CLASSIFICATION)

NATURE OF STRATA

THICKNESS

DEPTH

	Black shale workings.				
UPPER CARBONIFEROUS WESTPHALIAN A	Openhole	8	10	8	10
	Seatearth: Siltstone, grey with rootlets	2	7	11	5
	Siltstone, grey; Sandstone partings in top 6 in. very occasional rootlets.	9	4	20	9
	Sandstone, grey	2	3	23	0.
	Mudstone, grey; 1 1/2 in. ironstone band at 32'-6"	9	6	32	6.
	Mudstone, of dark grey with ostracodes @ 33'-3";				
	Anthraconauten @ 34'-10"	2	7	35	1.
	Siltstone, dark grey	2	2	37	3.
	Mudstone, silty, fairly dark grey, 3 in. ironstone band @ 38'-9"	1	6	38	9.
	Mudstone, grey with Ramolites.	1	5	40	2.
	Seatearth: mudstone, grey with numerous lenticular surfaces, numerous rootlets.	0	4	40	6.
	Seatearth: mudstone, light grey with ironstone nodules; becoming silty below 44 ft; numerous rootlets.	6	0	46	6
	Siltstone, grey with plant fragments and occasional rootlets.	4	8	51	2
	Sandstone, light grey with Siltstone partings	1	6	52	8.
		Continued	Overleaf		

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

Date
received

Correspond-
ence File No.

1" N.S. Map
No.

1" O.S. Map
No.

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

(2781) *D40586/W164575 5,000 4/55 JC&S Gp669

Name and Number of Shaft or Bore given by Geological Survey

Blackwell A

No. 2 Kibben

432
SK 45NW/33
235

GEOLOGICAL CLASSIFICATION	DESCRIPTION	THICKNESS		
WESTPHALIAN A	Siltstone, grey, passing down into silty mudstone; numerous plant fragments.	brought forward.	52	8.
		0 4	53	0.
	<u>COAL</u> Coal 4 in.			
	Seatearth, mudstone down to 4 in. } 10 in	0 10	53	10.
	Coal 2 in.			
	Seatearth: mudstone, dark grey with a few carbonaceous partings, numerous listric surfaces & occasional rootlets.	0 9	54	7.
	Seatearth: Sandstone, creamy grey with rootlets.	0 11	55	6.
	Sandstone, creamy grey with numerous dark grey carbonaceous micaceous partings.	5 2	60	8.
	Siltstone, grey with light grey sandstone partings.	4 8	65	4
	Sandstone, interbedded with grey siltstone.	2 5	67	9.
	Mudstone, grey with occasional silty patches 3 in ironstone band @ 72' 0"; ? worm tracks & planolites.	7 3	75	0.
	Shale, dark grey with ostracods and occasional fish fragments. 1/2 in ironstone band @ 76' 10"			
	1 in " " @ 78' 2"	3 2	78	2.
	Mudstone, fairly dark grey.	1 3	79	5.
	Shale, dark grey, canneloid, with plant fragments.	0 3	79	8.
	<u>COAL</u> 2 in.	0 2	79	10.
	Seatearth: mudstone, greyish brown with numerous listric surfaces; listric surfaces in top 5 in	1 9	81	7.
	Seatearth: mudstone, silty grey with rootlets & ironstone nodules.	1 9	83	4
	Seatearth: Siltstone, grey with rootlets occasional ironstone nodules and sandstone partings	1 6	84	10.
	Interbedded light grey sandstone and grey siltstone.	1 9	86	7
	Sandstone, creamy grey with numerous dark grey carbonaceous micaceous partings; occasional plant fragments.	3 4	89	11

(2781) *Dd0586/Wt64575 5,000 4/55 JC&S Gp869

Name and Number of Shaft or Bore given by Geological Survey

Blackwell 'A' No. 2 Kilbreen

SK45NW33

GEOLOGICAL CLASSIFICATION	DESCRIPTION	THICKNESS		DEPTH	
WESTPHALIAN A	Siltstone, grey with a few light grey sandstone partings	Brought forward		89	11
	Sandstone, light grey with numerous grey siltstone partings and bands down to 95 ft.	2	7	92	6.
	Siltstone, grey with light grey sandstone partings.	8	2	100	8.
	Sandstone, creamy grey with numerous dark grey carbonaceous micaceous partings	2	4	103	0.
	Mudstone, grey with mussels.	2	1	105	1
		1	10	106	11
	COAL 8 in.	0	8	107	7
	Seatearth: mudstone, dark brownish grey with numerous lenticular surfaces.	0	2	107	9.
	Seatearth: Sandstone, grey with rootlets and occasional ironstone nodules.	10	8	118	5
	Siltstone, grey; numerous sandstone partings in top foot.	3	9	122	2.
	Mudstone, grey with silty patches; numerous ? worm tracks and Ranolites;				
	2 in ironstone band @ 124'-4"	5	6	127	8.
	Siltstone, grey with irregular sand sandstone partings;	1	3	128	11
	Mudstone, grey with numerous plant fragments.	1	1	130	0.
	Siltstone, grey; 3 in ironstone band @ 133'-2"	5	8	135	8
	Sandstone, light grey with dark grey carbonaceous micaceous partings; becoming compact, light brown + ferruginous in bottom 2 feet; plants preserved in ironstone in bottom 3 in.	6	9	142	5.
	Mudstone, silty, grey	0	6	142	11
	Siltstone, grey with occasional plant fragments.	1	7	144	6
	Sandstone, grey with numerous siltstone partings in top 14 in.	3	11	148	5.
	Siltstone, grey.	4	7	153	0.
	Mudstone, silty, grey; isolated 'mussel' @ 155'-6"				
	2 1/2 in ironstone band @ 157'-0"				
	3 in " " @ 157'-7"				
	3 in " " @ 166'-0"	13	0	166	0.
	Mudstone, grey, becoming fairly dark grey downwards; fragmentary 'mussel' @ 168 ft.	4	0	170	0

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

Blackwell 'A' No. 2 Kilkenny B.H.

SK45NW/233

GEOLOGICAL CLASSIFICATION	DESCRIPTION	THICKNESS		
WESTPHALIAN A	Shale, dark grey with silty patches; numerous fish fragments.	2	7	170 0.
	Mudstone, grey with ? worm tracks; a few patches of ironstone towards the bottom; becoming fairly dark grey + shaley in bottom 2 in.	2	10	172 7.
? MICKLEY THIN	COAL 13 in (8 in seen)	1	1	175 5.
	Seatearth: mudstone, brownish grey with numerous rootlets; numerous ironstone nodules in bottom foot.	3	2	176 6.
	Siltstone, grey with numerous sandstone bands in top foot; sporadic rootlets.	3	5	179 8.
	Sandstone, light grey with numerous siltstone partings and dark grey micaceous carbonaceous partings.	7	7	183 1.
	Mudstone, grey with slightly silty patches; ? worm tracks + planolites; becoming fairly dark grey + with Anthraconaula from 200 ft; 3 in band of shelly ironstone @ 205'-8"	15	0.	190 8.
	Mudstone, silty, dark grey with numerous ^{poorly} preserved 'mussels' on certain bedding planes; below 215 ft. the 'mussels' are all Anthraconaula; occasional ? worm tracks; 'Grinoid' @ 219'-4"; bottom 4 in contains numerous fish fragments while the bottom 1/2 in is also cancelloid Shale	28	1	205 8.
	COAL 2 in.	0	2	233 9.
	Mudstone, dark grey with abundant plant fragments and carbonaceous partings	0	2	233 11.
	Seatearth: mudstone dark grey with lentic surfaces.	0	8	234 1.
	Seatearth: mudstone, grey with numerous rootlets + fairly numerous ironstone nodules.	0	8	234 9.
		0	5	240 8.

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

Blackwell 'A' No. 2 Kilburn B.H.

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SK45NW/33
233

GEOLOGICAL CLASSIFICATION	DESCRIPTION	THICKNESS			
WESTPHALIAN A	Interbedded siltstone and sandstone with occasional rootlets.	brought forward		240	8.
	Mudstone, grey, becoming fairly dark grey downwards; occasional thin ironstone bands; occasional plant fragments in top 5 feet; ? worm tracks + planolites from 246'-6"; Silty in bottom 2 in.	1	8	242	4.
	Seatearth: Sandstone, grey in top 9 in + rather silty, light grey below; numerous rootlets.	17	3	259	7.
	Sandstone, light grey with numerous carbonaceous micaceous partings.	2	7	262	2.
	Siltstone, grey.	3	5	265	7.
	Mudstone, grey with silty patches; ? worm tracks + planolites. 1 in. ironstone band @ 271'-8" 6 in band of siltstone @ 274'-0" 'mussels' from 274'-6"	0	9	266	4.
	Siltstone, grey with poorly preserved 'mussels' in top 4 in. + plant fragments below.	15	9	282	1.
	Mudstone, slightly silty, grey with numerous plant fragments + traces of rootlets.	1	1	283	2.
	Siltstone, grey.	4	3	287	0.
	Mudstone, silty, grey with ? worm tracks + planolites.	2	2	290	2.
	Mudstone, grey with ? worm tracks and planolites; mussels from 299'-4".	7	6	297	8.
	COAL 3 in. (not seen).	2	10	300	6.
		0	3	300	9
	Seatearth: mudstone, dark grey brownish grey in top 6 in + grey below; abundant rootlets.	1	6	302	3.
	Seatearth: Siltstone, grey with numerous rootlets.	1	5	303	8.
	Seatearth: Sandstone light grey with rootlets and ironstone nodules.	1	6	305	2.
	Siltstone, grey with numerous partings and bands of light grey sandstone; a few plant fragments.	4	8	309	10.
	Mudstone, silty, grey; 'sinead' @ 311'-5"	1	10	311	8.
	Sandstone, light grey with mudstone partings in top 4 in + siltstone partings below.	2	6	314	2.

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Name and Number of Shaft or Bore given by Geological Survey

Blackwell A No 2 Kilburn B.H.

6 Quarter Sheet

SK45NW/33
235

GEOLOGICAL CLASSIFICATION	DESCRIPTION	THICKNESS			
WESTPHALIAN A	Siltstone, grey with light grey sandstone partings between 317'-2" + 319'-0".	15	11	314	2
	Mudstone, grey with ? worm tracks and Planolites.	5	11	330	1.
	Siltstone, grey with light grey sandstone partings from 345' to 347'-2".	11	2	336	0.
	Mudstone, grey with silty patches; ? worm tracks, Planolites, 'smeoids'; becoming fairly dark grey with no siltstone partings below 354'-0".	10	2	347	2.
	Peasearth: Sandstone, grey with rootlets.	1	2	357	4.
	Sandstone, creamy grey with sporadic dark grey carbonaceous micaceous partings; numerous siltstone bands from 366'-0"; plant debris throughout.	1	2	358	6.
	Peasearth: Sandstone, light grey with siltstone bands; rootlets + numerous plant fragments.	10	3	368	9.
	Sandstone, light grey with plant fragments.	2	2	370	11
	Interbedded sandstone + siltstone.	1	3	372	2.
	Sandstone, creamy grey with numerous dark grey carbonaceous micaceous partings.	1	10	374	0.
	Siltstone, grey; ? worm tracks and Planolites below 386'-0".	5	10	379	10
	Mudstone, grey with ? worm tracks and Planolites.	10	2	390	0.
	Mudstone, fairly dark grey with occasional Anthracozonaria; occasional Planolites + a few fish fragments in bottom 3 in.	15	0	405	0.
	Siltstone, grey, very tough with traces of rootlets which occasionally become definite.	6	2	411	2.
	Siltstone grey with sporadic rootlets + occasional ironstone nodules.	2	9	413	11
KILBURN HORTON	Siltstone, grey with light grey sandstone partings which are very sparse below 419'-0"; very occasional plant fragments.	2	8	416	7.
	Sandstone, light grey with grey siltstone partings; becoming creamy grey with numerous carbonaceous micaceous partings below an 8 in siltstone band @ 439'-4"; a few irregular coal streaks +	6	3	422	10.
WINGFIELD FLAGS					

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Blackwell 'A' No. 2 Kilburn B.H.

SK45NW/233

GEOLOGICAL CLASSIFICATION	DESCRIPTION	THICKNESS		DATE
		Brought forward	422	10.
WESTPHALIAN A	Carbonaceous plant fragments together with a few inclusions of ironstone from 496'0" to 506'0"; numerous small siltstone inclusions from 506'6" to 507'0" + a few siltstone inclusions + much slump bedding from 507'10" to base.	87	6	510 4
	Siltstone, grey with light grey sandstone partings	0	9	511 1
WINGFIELD FLAGS (contd)	Sandstone, creamy grey with numerous siltstone partings in top 15 in. below which the partings become carbonaceous + micaceous; a few bands of siltstone inclusions from 523'0" to 529'0"; Coal streaks @ 536'9"; Siltstone and ironstone inclusions from 536'9" to 539'5"; Mainly siltstone with sandstone bands from 544'9" to 546'0" + 547'3" to 548'0", 549'0" to 549'8" + 556'9" to 558'2".	50	8	561 9.
	Siltstone, grey with numerous light grey sandstone partings occasional bands in top 5 feet; ? worm tracks from 568'0"	13	1	574 10.
	Sandstone, creamy grey with dark grey carbonaceous micaceous partings	3	11	578 9.
	Mudstone, silty, grey with ? worm tracks and planolites; occasional thin sandstone bands below 582'0"	5	3	584 0.
	Sandstone, grey.	5	4	589 4.
	Siltstone, grey.	1	4	590 8.
	Mudstone, slightly silty, grey with ? worm tracks + planolites + very occasional plant fragments.	2	6	593 2
	Sandstone, grey with micaceous partings	1	4	594 6.
	Mudstone, silty with light grey sandstone partings + occasional plant fragments.	1	1	595 7.
	Mudstone, slightly silty, grey with numerous ? worm tracks + planolites.	1	9	597 4
	Interbedded light grey sandstone + grey siltstone.	1	2	598 6.
	Siltstone, grey.	1	0	599 6
	Mudstone, silty, grey.	1	9	601 3



(2781) *Dd0586/Wt64575 5,000 4/55 JC&S Gp669

Name and Number of Shaft or Bore given by Geological Survey

Blackwell 'A' No. 2 Kilburn B.

437
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235

GEOLOGICAL CLASSIFICATION	DESCRIPTION	THICKNESS		ELEVATION
		Feet	Meters	
WESTPHALIAN A	Broughton Island			601 3
	Sandstone, light grey with numerous partings of grey siltstone.	2	9	604 0.
	Siltstone, grey with planolites & ? worm tracks.	4	6	608 6.
	Mudstone, silty, grey with ? worm tracks and planolites.	1	6	610 0.
	Siltstone, grey with light grey sandstone bands and partings.	2	0	612 0.
	Sandstone, creamy grey with numerous carbonaceous micaceous partings.	7	2	619 2.
	Sandstone, grey with a few light grey partings.	2	11	622 1
	Siltstone, grey with bands of light grey sandstone up to 3 in. thick.	2	11	625 0.
	Mudstone, silty, grey with numerous ? worm tracks & planolites.	3	4	628 4.
BASE OF BOREHOLE				

Feb. 1981