



1063 10/1 22438/0384 10m 7/45 (51) F&S.

RECORD OF SHAFT OR BORE FOR MINERALS

Name and Number of Shaft or Bore: Blackwell 'A' Winning
No. 3 Kilkum Borehole (Underground)

For Messrs. NCB.

Town or Village _____

County Derbyshire Six-inch quarter sheet 36 NW/W

Exact site National Grid reference 445 579.2
359 051.6

6-inch Map Registered No. M

Purpose for which made exploration for coal

Level at which ^{shaft}bore commenced relative to O.D. - 599.87 for B.O.D. State if ^{shaft}bore is up, down, horizontal or inclined; in latter cases give angle of inclination and direction Down.

Made by NCB.

Information from core examination by C.H. Rhye Date of Sinking 1957.

Specimens collected by C.H. Rhye Sited by D.M.B.
Derby 36 NW/W 1/1/58

Additional Notes in Space Overleaf

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	THICKNESS		DEPTH	
		ft	in.	ft	in.
UPPER CARBONIFEROUS WESTPHALIAN A	Openhole	7	8	7	8
	Siltstone, with a few rasilels.	0	8	8	4
	Mudstone, silty, grey, with a few rasilels.	1	6	9	10
	Mudstone, silty, grey.	2	8	12	6
	Ironstone.	0	2	12	8
	Sandstone, ferruginous, light brown with a few carbonaceous partings.	0	6	13	2
	Mudstone, ^{grey} slightly silty with very occasional very silty patches containing a few plant fragments; a few small Planolites in bottom foot.	15	10	29	0
	Mudstone, grey with occasional thin ironstone bands; ? Nautilites @ 35ft; 3 in. ironstone band @ 38ft 1 in.	9	1	38	1
	Shale, fairly dark grey; occasional small Planolites; occasional thin ironstone bands.	2	4	40	5
	Mudstone, silty, dark grey, with a few fragments of Anthracozoa.	2	10	43	3
	Mudstone, grey; Planolites; carbonaceous plant fragments in basal 2 in.	0	10	44	1
	COAL 1 1/2 in.	0	1 1/2	44	2 1/2
	Mudstone, grey, with limestone surfaces and rootlets, a few coal partings & a 1/2-in coal band at 44ft 8 in.	1	0 1/2	45	3

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) *Dd0586/Wt64575 5,000 4/55 JC&S Gp689

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

Blackwell A'loining No.3 Kibham B.4

SK45NE/2369

GEOLOGICAL CLASSIFICATION	DESCRIPTION	THICKNESS		DEPTH	
WESTPHALIAN A	Seatearth: mudstone, brownish grey with numerous rootlets and listric surfaces.	1	3	45	3
	Mudstone, dark grey with abundant plant debris and carbonaceous partings	0	4	46	6
	COAL 6 IN.	0	6	46	10
	Seatearth: mudstone, brownish grey with rootlets and numerous listric surfaces.	0	10	47	4
	Seatearth: siltstone, grey with rootlets; occasional ironstone nodules.	3	2	48	2
	Seatearth: siltstone, light grey.	0	10	51	4
	Mudstone, silty, grey with rootlets and plant fragments.	3	10	52	2
	Sandstone, light grey with partings of grey siltstone and dark grey micaceous partings	5	1	56	0
	Siltstone, grey	0	6	61	1
	Mudstone, slightly silty, grey; Planolites; fairly numerous plant fragments	1	0	61	7
	Sandstone, creamy grey with abundant carbonaceous, micaceous partings.	2	6	62	7
	Mudstone, grey; Planolites.	7	0	65	0
	Shale, dark grey;			72	0
	3-in. ironstone band @ 74 ft. 4 in.				
	1-in. grey calc. ironstone band @ 74 ft. 7 in.	3	10	75	10
	Seatearth: mudstone, light brown with numerous listric surfaces and rootlets; becoming grey, silty with ironstone nodules downwards.	6	4	78	2
	Sandstone, light grey with siltstone partings; rootlets in top 1 ft. 6 in.	12	2	82	2
	Mudstone, silty, grey with partings of light grey siltstone.	3	0	94	4
	Sandstone, light grey with siltstone partings	1	3	97	4
	Mudstone, grey; Anthracospora; slightly silty with Planolites from 100 ft. 6 in; bands of siltstone in bottom 3 in.	3	0	98	7
	COAL 5-IN.	0	5	101	7
	Seatearth: mudstone, grey, with numerous rootlets.	2	2	102	0
				104	2

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

Beckwell 'A' No. 15 Killenham B.H.

SK45NE/
23629
8" Quarter Sheet

GEOLOGICAL CLASSIFICATION	DESCRIPTION	THICKNESS		DEPTH	
WESTPHALIAN A	Seatearth: Sandstone, creamy grey with siltstone partings; rootlets.	Brought forward		104	2.
	Sandstone, light grey with siltstone bands and occasional rootlets.	1	10	106	0.
	Mudstone, silty, grey, with bands of siltstone down to 112 ft; numerous planolites below 112 ft.	2	10	108	10.
	Mudstone, grey with occasional ironstone bands; planolites.	10	8	119	6.
	Sandstone, light grey with micaceous partings.	2	8	122	2.
	Mudstone, silty grey with light grey siltstone bands.	1	6	123	8.
	Sandstone, light grey with grey siltstone partings and numerous carbonaceous micaceous partings.	2	4	126	0.
	Siltstone, grey; abundant plant fragments.	6	8	132	8.
	Mudstone, silty, grey; sporadic plant fragments.	5	1	137	9.
	Mudstone, grey, slightly silty in patches.	6	3	144	0.
	Mudstone, silty, grey with a few thin ironstone bands in bottom 2 ft.	1	6	145	6.
	Mudstone, grey; planolites; very occasional ironstone bands.	4	11	150	5.
	Shale, fairly dark grey in top foot, dark grey below; numerous fish fragments.	12	7	163	0.
	Mudstone, fairly dark grey with planolites.	2	6	165	6.
	COAL 7½ in. top 3½ in is cannel.	3	3½	168	9½
		0	7½	169	5
	Seatearth: mudstone, light brown, numerous rootlets; becoming grey with ironstone concretions from 170 ft 5 in.	4	1	173	6.
	Mudstone, light grey with silty patches; occasional rootlets.	0	10	174	4
?MICKLET THIN	Sandstone, light grey with siltstone bands in top 6 in; numerous micaceous, sometimes carbonaceous partings below.	7	8	182	0.
	Mudstone, silty, grey with siltstone partings.	1	2	183	2
	Mudstone, grey; occasional small planolites; becoming fairly dark grey from 188 ft 6 in; numerous poorly preserved insects from 196 ft 9 in. to 197 ft 3 in + on isolated bedding planes below;				

(2781) *Dd0586/Wt64575 5,000 4/55 JC&S Gp689

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

Blackwell A No. 3 Kilburn B.H.

SK45NE/29
Quarter Sheet

GEOLOGICAL CLASSIFICATION	DESCRIPTION	THICKNESS		ELEVATION FT	DEPTH FT
		Feet	Inches		
WESTPHALIAN A	COAL 3 IN.	0	3	292	2
	Seatearth: mudstone, brownish grey with abundant rootlets & bitric surfaces.	0	8	293	1
	Seatearth: mudstone, silty, grey, with rootlets, ironstone concretions and bands of light grey siltstone	3	4	296	5
	Siltstone, grey, with numerous light grey sandstone partings; occasional rootlets.	1	7	298	0
	Sandstone, creamy grey with irregular siltstone partings; very abrupt base with inclusions of siltstone in bottom inch.	3	0	301	0
	Mudstone, silty, grey.	1	4	302	4
	Sandstone, creamy grey; abundant plant fragments; numerous bands and partings of silty mudstone + carbonaceous micaceous partings.	8	4	310	8
	Mudstone, silty, grey, with partings of siltstone below 317 ft; 4 in ironstone band @ 319 ft 4 in; Planolites from 320 ft; 'mussel' fragments @ 321 ft 9 in; between 335 ft + 337 ft the siltstone partings become very sandy, micaceous + numerous.	30	0	340	8
	Mudstone, grey, slightly silty in patches; numerous vague Planolites	2	4	343	0
	Shale, fairly dark grey at top becoming dark grey downward; numerous vague Planolites + some definite small Planolites; occasional Beudantic Koechi.	4	6	347	6
	Sandstone, light grey with numerous plant fragments.	0	4	347	10
	Siltstone, fairly dark grey with plant fragments.	0	6	348	4
	Sandstone, light grey; numerous plant fragments; abundant carbonaceous micaceous partings.	2	8	351	0
	Siltstone, grey with light grey sandstone bands; fairly numerous plant fragments	3	8	354	8
	Sandstone, light grey with dark grey micaceous siltstone partings	10	6	365	2
	Mudstone, silty, grey, with occasional patches of siltstone.	1	10	367	0

(2781) *Dd0586/Wt64575 5,000 4/55 JC&S Gp889

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

Blackwell 'A' No. 3 Kilkerron B.H.

SK45NE/
2329

GEOLOGICAL CLASSIFICATION	DESCRIPTION	THICKNESS	DEPTH
WESTPHALIAN A	isolated fish scale @ 199 ft.; occasional anthraconaria below 200 ft + very occasional ostracods; Anthraconaria fairly numerous below 208 ft; Belonophle Kochi @ 210 ft 6 in.; no 'mussels' seen below 212 ft. Where only fossils are occasional Planolites & a Belonophle Kochi @ 218 ft 10 in. Coal partings in bottom 1/2 in.	brought forward 37 4 1 0	183 2 220 6 221 6
	Seasouth: mudstone, brownish grey. Seasouth: mudstone, silty, grey, with rosettes and occasional ironstone concretions; becoming more silty downwards.	7 10	229 4
	Mudstone, grey with occasional rosettes in top 2 feet; Planolites from 236 ft 3 in; fairly dark grey with poorly preserved 'mussels' in bottom 1 in.	21 8	251 0
	Seasouth: mudstone, silty, grey, with rosettes; very micaceous	4 0	255 0
	Mudstone, silty, grey; abundant plant fragments & occasional rosettes.	0 10	255 10
	Sandstone, light grey with numerous bands of grey siltstone containing abundant plant fragments.	1 4	257 2
	Mudstone, grey; Nautilites in top inch; vague Planolites & occasional definite Planolites; 2 in ironstone band @ 259 ft 2 in. Isolated 'mussels' @ 269 ft 6 in & 272 ft.	16 4	273 6
	Mudstone, fairly dark grey; certain bedding planes show numerous poorly preserved 'mussels'; very silty, with occasional fish fragments in base 6 in.	2 1	275 7
	Seasouth: mudstone, silty, fairly dark grey; rosettes.	1 5	277 0
	Mudstone, grey with occasional rosettes in top foot; occasional silty patches & thin ironstone bands; Planolites; 2 in ironstone band @ 289 ft.	13 0	290 0
	Shale, dark grey; very occasional Planolites; occasional very poorly preserved 'mussels'; occasional ostracods; bottom rich carbonaceous.	2 2	292 2



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

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

Blackwell A' No.3 Kilburn B.H.

SK45NE/29
2369

GEOLOGICAL CLASSIFICATION	DESCRIPTION	THICKNESS		ELEVATION	DEPTH
		Feet	Meters		
WESTPHALIAN A	Sandstone, light grey with grey, micaceous siltystone partings.	2	0.7	367	0.
	Mudstone, silty, grey; numerous planolites.	21	8	369	7
	Mudstone, grey; numerous vague planolites and some definite planolites; occasional Belonophle Kochi; fragmentary Anthracozonites below 394 ft. 3 in.	23	8	391	3
	Mudstone, fairly to dark grey with very occasional planolites + fish fragments + occasional Anthracozonites; barren in bottom 1 foot 3 in. apart from carbonaceous plant fragments.	4	6 1/2	394	11
	COAL 1/2 in.				
KILBURN	Seatearth: mudstone, grey with rootlets + carbonaceous partings in top with 5 in.				
	COAL with irregular disc bands. 6 in.	0	1 1/2	400	5
	Seatearth: mudstone, grey with rootlets and occasional listric surfaces; silty below 401 ft. 8 in.	2	8	403	1
	BASE OF HOLE.				

October 1981



Record A (30a)
RECORD OF WELL (SHAFT OR BORE)

SK45NE29

3076

At New Hucknall Colliery, No: 1 Shaft, old Top Hard Seam.

Town or Village Huthwaite

County Notts Six-inch quarter sheet xxvii N.W.

For Mr.

Exact site of well 1384000 links N, 31985 links W. of Dunnose

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

Level of ground surface above sea-level (O.D.) 462 feet.

Is well-top at ground level? If not, state how far above ; below ; feet.

Shaft 12 ft., diameter 12 ft. Details of headings

Bore ft. ; diameter of bore : at top ins. ; at bottom ins.

Lengths, diameters, perforations, etc., of lining tubes

Water struck at depths, below well-top, of (feet) See note below

TEST DETAILS Rest-level of water ft. above below well-top. Suction at ft. Yield on hours' days' pumping gallons per (max. capacity of pump g.p.h.), with depression of feet. Recovery to in mins. hours.

WORKING CONDITIONS Rest-level of water in (month), (year), ft. above below well-top. Highest in (month), (year), ft. above below Lowest in (month), (year), ft. above below

From Top Hard Suction at ft. Rate of pumping 375 galls. per min for 8 hours per day. 27,500 gals. with average depression of ft. Recovery to in mins. hours

Quality of water (attach copy of analysis if available) We have no analysis

Well made by Date of well

Information from

ADDITIONAL NOTES.

The quantity of water varies considerably as between wet and dry periods.
The pumping to surface is from the Top Hard, and the quantity as shewn above. Depth Surface to Top Hard 410 feet.
The pumping from the other seams to the Top Hard sump is as follows :- Waterloo, 177 ft below, 100 g.p.m.
DeepmHard & Low Main shafts contribute 80 g.p.m. between them to the Top Hard sump.

(a) Sites of Low Main, Waterloo, Deep Hard shafts transferred from National Reconnaissance Survey maps to Notts 27 NW.

- (a) = No 1 shaft
- (b) = 2 shaft
- (c) = 3 shaft

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

LOG OF STRATA OVERLEAF.

Date received	G.S.M. Office File No.	1" N.S. Map No.	1" O.S. Map No.	Site marked (use symbol) on 1" Map.	on 6" Map.