Appendix D Historical Borehole Logs

SE 30 SE/14 UNDERGROUND BORE

(11482) W.80370/0870 10,900 9/39 A.& E.W.Ltd. Gp.685

RECORD OF ~~SHAFT OR~~ BORE FOR MINERALS

87/72

302

County Yorkshire

6" Quarter Sheet 102 NE

1" N.S. Geol. Map 87

1" O.S. Geol. Map

Whether Confidential

No

Name and Number of ~~Shaft or~~ Bore given by Geological Survey: Rockingham Colliery, 87/72.

Name and Number given by owner (if different from above):

Town or Village Hoyland Date of sinking 1910-11

Exact site (3577 0053) approximate site given on site map.
725 yds W 25° S of Hoyland Nether Church

A sketch-map or tracing from a large-scale map is desirable.

Purpose for which made To prove the Whinmoor Seam

Level at which bore commenced relative to O.D. -574 (Surface is about 480 ft.) If not down bore, state if horizontal or up —

Made by for Messrs. Newton Chambers Ltd.

Information from Messrs. Newton Chambers Ltd. Date received 6th Jan 1941

Specimens Dip of strata

Geological Classification	Description	Thickness Fr	Thickness In	Depth Fr	Depth In
	Foot of Silkstone Seam at -574 fr. Below O.D.				
	Guide tube	1.224	-	M	4
	Grey rock	8.13	26 8	9.35	30 8
	Soft blind with ironstone	2.18	7 2	11.53	37 10
	Blue blind with ironstone	5.33	17 6	16.87	55 4
	Grey rock	2.16	7 1	19.02	62 5
	Black shale	1.19	3 11	20.22	66 4
	Coal	0.25	- 10	20.47	67 2
	White clunch	1.32	4 4	21.79	71 6
	Dark blind	0.89	2 11	22.68	74 5
	Rock	0.61	2 -	23.29	76 5
	Stone blind	0.94	3 1	24.23	79 6
	Hard grey rock	1.60	5 3	25.83	84 9
	Rock	1.35	4 5	27.18	89 2
	Blue blind	0.41	1 4	27.58	90 6
	Rock	0.48	1 7	28.07	92 1
	Dark blind + ironstone	3.15	10 4	31.22	102 5
	Coal	0.10	- 4	31.32	102 9
	Dark blue blind	0.84	2 9	32.16	105 6
	Light blind	3.25	10 8	35.41	116 2
	Hard grey rock	4.04	13 3	39.45	129 5
	Blue blind	1.27	4 2	40.72	133 7
	Dark shale	0.84	2 9	41.55	136 4
	Grey blind	2.54	8 4	44.09	144 8
	Ironstone band	0.30	1 -	44.40	145 8
	Grey blind		1 -	44.70	146 8
	Hard rock	0.36	1 2	45.06	147 10
	Strong blue blind	3.17	10 5	48.23	158 3
	Coal	0.41	1 4	48.64	159 7
	Sparvin	1.75	5 9	50.39	165 4
	Strong blind	2.64	8 8	53.04	174 -
	Hard band	0.18	- 7	53.21	174 7
	Strong blind with ironstone bands	3.86	12 8	57.07	187 3
	Hard band	0.30	1 -	57.38	188 3
CARBONIFEROUS / WESTPHALIAN A	Strong blind with ironstone bands	3.86	12 8	61.24	200 11

Geological Survey and Museum,
South Kensington,
London, S.W.7.

* Westphalian B at surface

G.S.M. Office File No.	Site marked on 6" Map by	Site marked on 1" Map by

(*21932) Wt.80370/6870 10,000 8/30 A.E.R.W.Ltd. Gp.565

RECORD OF ~~SHAFT OR~~ BORE FOR MINERALS

SE 30 SE 61 008

87/72

29 County Yorkshire

6" Quarter Sheet 29 NE

1" N.S. Geol. Map 87

1" O.S. Geol. Map

Whether Confidential No

Name and Number of ~~Shaft or~~ Bore given by Geological Survey: Rockingham Colliery, 87/72 SE 30 SE/14

Name and Number given by owner (if different from above):

Town or Village Hoyland Date of sinking 1910-11

Exact site SE 30 SE/14 (725 yds W 25° S of Hoyland Nether Church

A sketch-map or tracing from a large-scale map is desirable.

Purpose for which made To prove the Whinmoor Seam

Level at which bore commenced relative to O.D. -574 (Surface is about 450 ft.) If not down bore, state if horizontal or up —

Made by for Messrs. Newton Chambers Ltd.

Information from Messrs. Newton Chambers Ltd. Date received

Specimens Dip of strata

Geological Classification	Description	Thickness Ft	Thickness In	Depth Ft	Depth In
	Foot of Silkstone Seam at -574 ft. Below O.D.				
	Guide tale	4	-	4	-
	Grey rock	26	8	30	8
	Soft blind with ironstone	7	2	37	10
	Blue blind with ironstone	17	6	55	4
	Grey rock	7	1	62	5
	Black shale	3	11	66	4
	Canle	-	10	67	2
	White clunch	4	4	71	6
	Dark blind	2	11	74	5
	Rock	2	-	76	5
	Stone blind	3	1	79	6
	Hard grey rock	5	3	84	9
	Rock	4	5	89	2
	Blue blind	1	4	90	6
	Rock	1	7	92	1
	Dark blind + ironstone	10	4	102	5
	Coal	-	4	102	9
	Dark blue blind	2	9	105	6
	Light blind	10	8	116	2
	Hard grey rock	13	3	129	5
	Blue blind	4	2	133	7
	Dark shale	2	9	136	4
	Grey blind	8	4	144	8
	Ironstone band	1	-	145	8
	Grey blind	1	-	146	8
	Hard rock	1	2	147	10
	Strong blue blind	10	5	158	3
	Coal	1	4	159	7
	Sparvin	5	9	165	4
	Strong blind	8	8	174	-
	Hard band	-	7	174	7
	Strong blind with ironstone bands	12	8	187	3
	Hard band	1	-	188	3
Carboniferous / Westphalian	Strong blind with ironstone bands	12	8	200	11

Geological Survey and Museum, South Kensington, London, S.W.7.

G.S.M. Office File No.	Site marked on 6" Map by	Site marked on 1" Map by

2 **RECORD of WELL or BORING** (continued) 303

Survey No. 87/72

Rookinghams Colliery County Yorks 1" N.S. geol. map 87

SE 30 SE 1/14

87/72

GEOLOGICAL CLASSIFICATION.	NATURE OF STRATA.	THICKNESS. Feet.	Inches.	DEPTH Feet.	Inches.
	Hard band		5	201	61·37 4
	Strong hind with ironstone bands	7·08	10	208	65·45
	Clod	1·45	9	212	64·90 71
	Hard grey cank	0·43	5	214	65·83 4
	Blue hind	0·56	10	216	65·89 2
	Hard band	0·10	4	216	65·99 6
	Stone hind	0·43	5	217	66·42 11
	Cank	0·46	6	219	66·88 5
	Bind	0·08	3	219	66·95 8
	Cank	1·39	4	224	68·28
	Clod	0·74	5	226	68·01
	Cank	1·37	6	230	70·38 11
	Bind	0·10	4	231	70·49 3
	Hard grey rock	2·88	3	240	73·30 6
	Clod with coal joints	0·72	7	243	74·09 1
	Stone hind	3·94	11	256	78·03
	Hard band	0·08	3	256	78·11 3
	Stone hind to bottom of hole	5·94	6	275	84·05 9

CARBONIFEROUS

WESTPHALIAN A.

H. JOHNSON 13.7.77.

2 RECORD of WELL or BORING (continued) SE30/29 87/72

at Rookingham Colliery County Yorkshire Survey No. 87/72

1" N.S. geol. map 87

GEOLOGICAL CLASSIFICATION.	NATURE OF STRATA.	THICKNESS. Feet.	Inches.	DEPTH Feet.	Inches
Carboniferous Westphalian A	Hard band	-	5	201	4
	Strong bind with ironstone bands	6	10	208	2
	Clod	4	9	212	11
	Hard grey cank	1	5	214	4
	Blue bind	1	10	216	2
	Hard band	-	4	216	6
	Stone bind	1	5	217	11
	Cank	1	6	219	5
	Bind	-	3	219	8
	Cank	4	4	224	-
	Clod	2	5	226	5
	Cank	4	6	230	11
	Bind	-	4	231	3
	Hard grey rock	9	3	240	6
	Clod with coal joints	2	7	243	1
	Stone bind	12	11	256	-
	Hard band	-	3	256	3
	Stone bind to bottom of hole	19	6	275	9

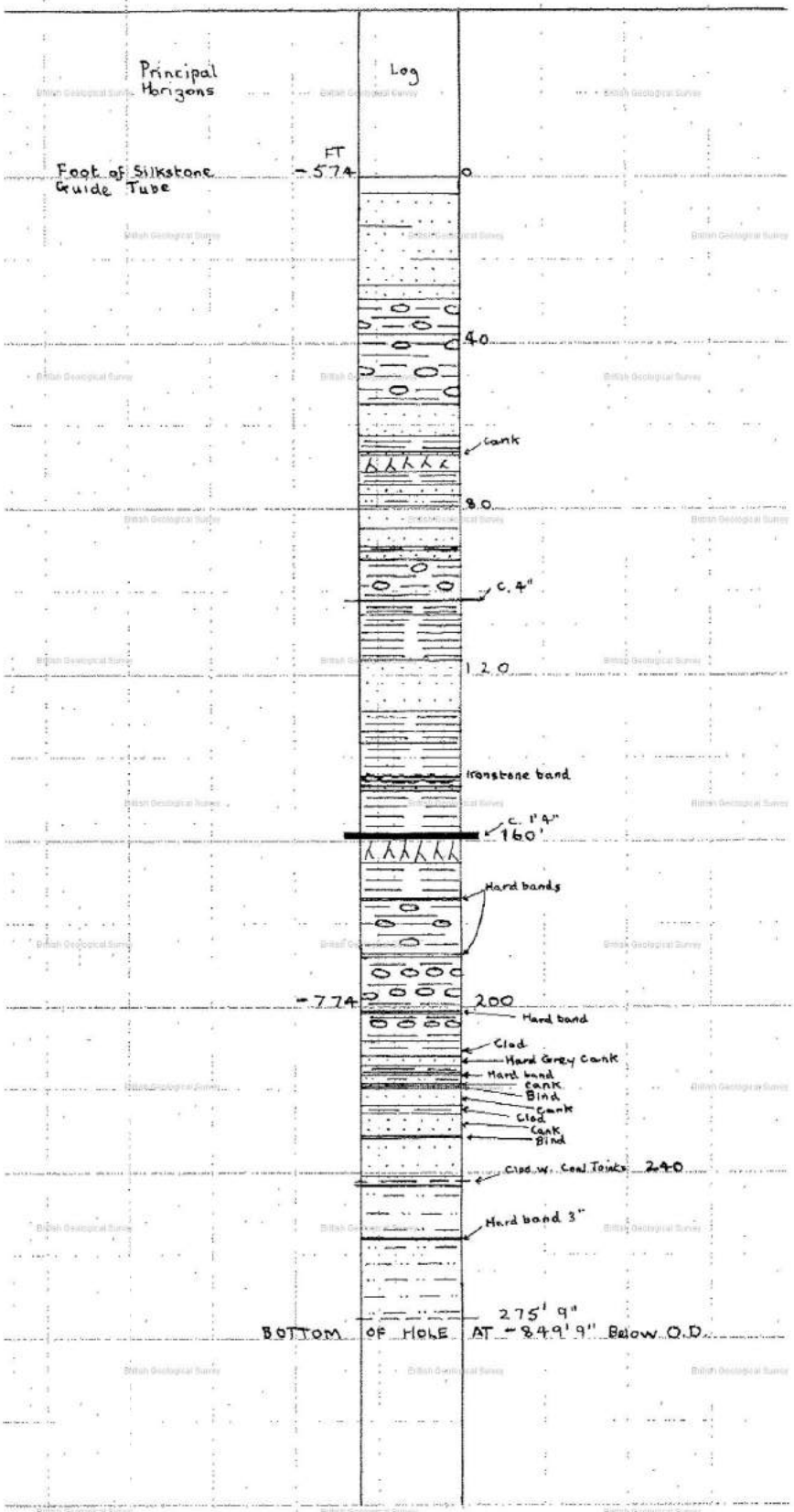
pw H. Johnson
13.7.77.

UNDERGROUND BORE

YORKSHIRE 282 NE — SE 30 SE / 14

ROCKINGHAM COLLIERY 87/72 — 1910 – 1911

725 yds. W. 25° S. of Hoyland Nether Church. — 574 BELOW O.D.



YORKSHIRE WATER AUTHORITY – **Survey of Existing Boreholes**

I.G.S. Ref. No SE 30. SE/114. N.G.R. SE. 357. . 005. . . . .

Licence No.

OWNERS NAME . . . .

App No

ADDRESS . . Rockingham . . Colliery., ...
. . . . Hoyland . . . . surface OD 480'
started at OD 574'

Authorised Abstraction
g.p.h.
g.p.d.
m.g.a.

STRATA DETAILS	Thick	Depth
Commenced at 574' below O.D.		
Guide tube	4'	4'
Grey rock	16' 8"	20' 8"
Bind + wonst		36' 4"
Rock	7' 1"	52' 5"
Black shale	3' 11"	56' 4"
Cank	- 10"	57' 2"
Clunch	4' 4"	71' 6"
haywood of rock + bind		102' 5"
COAL	4"	102' 9"
Rock & bind		158' 3"
COAL	1' 4"	159' 7"
Bind + hard bands		208' 2"
Clod	4' 9"	212' 11"
Cank	1' 5"	214' 4"
Bind + cank		224'
Clod	2' 5"	226' 5"
Cank	4' 6"	230' 11"
Bind + rock		256'
Bind	19' 6"	275' 9"

Dia. . . . .
Depth 275' 9" . . . .
Lining . . . .
Well sinker . . . .
Date 1941 . . . .
R.W.L. . . . .
P.W.L. . . . .

MINERAL SE 30 SE/15 **Underground Boring**

304

87/73

(B1858) Wt. 17852—8154—5,000 12/26 Gp. 160. O.A.

SECTION OF Mineral Bore from Silkstone Seam to prove Whinmoor Seam **at** Rockingham Colliery, Hoyland.

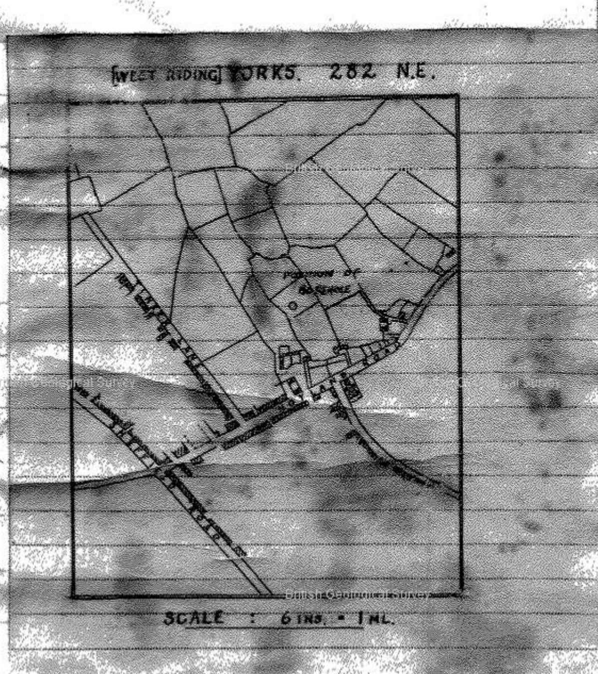
Maps: One-inch 87 Six-inch 282 NE County Yorks W.R.

Height above O.D. 4.14500 Latitude ______ Longitude [38810042]

Communicated by Newton, Chambers & Co. Ltd, Thorncliffe Date of Sinking 1938–1939

Made by Foraky Ltd. Dip of Strata ______

	Thickness.		Depth from Surface.	
716 yds. W 29° S. of St. Peter's Church, Hoyland Nether. Record from company attached.				



SE30SE/15 30 87/73 22nd. Feb. 1938.

Borehole from Silkstone to Whinmoor Seam, Rockingham.

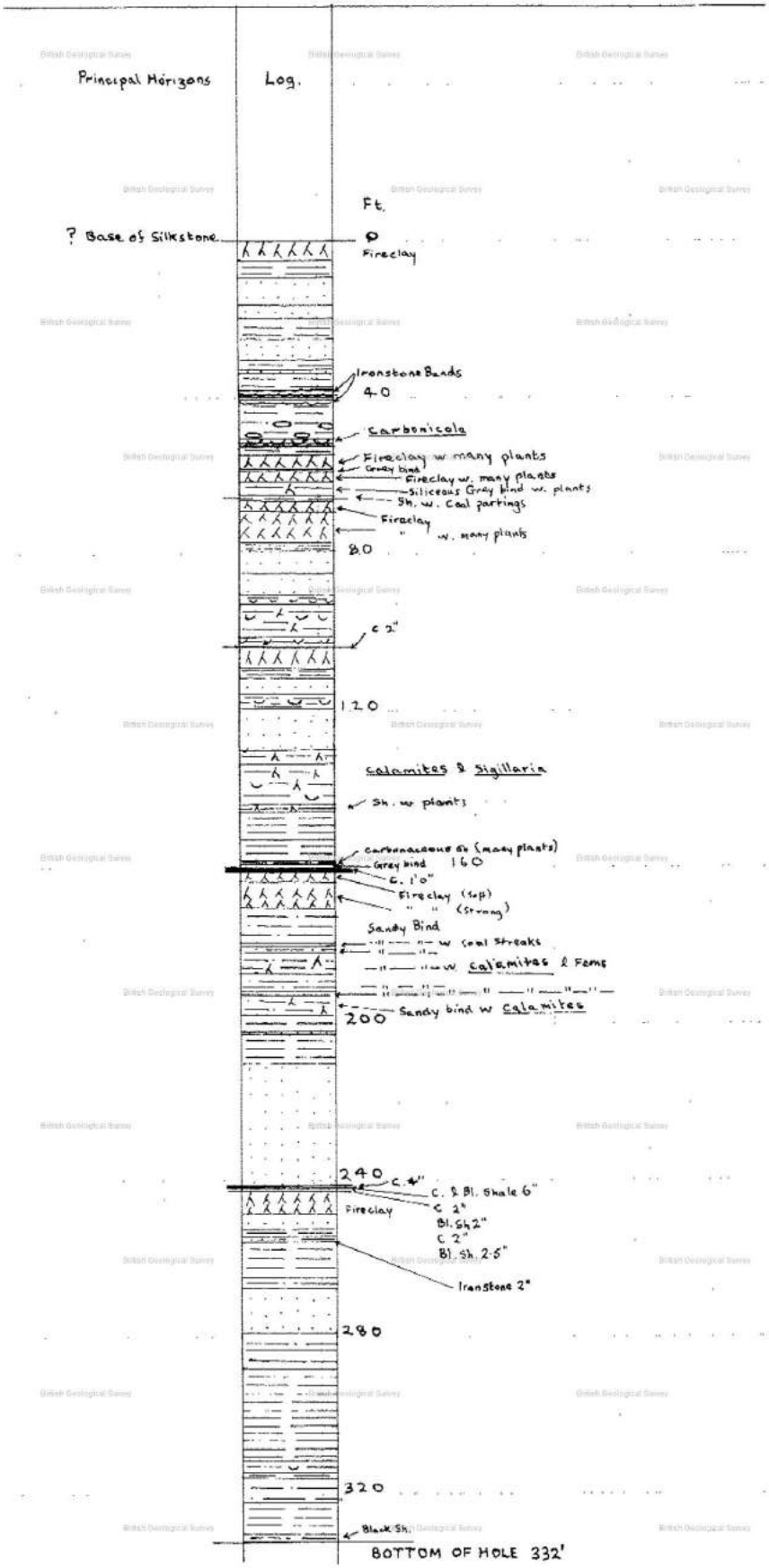
		Core %	M	Thickness. Ft.	Ins.	Depth. Ft.	Ins.
Dec 3rd.	Fireclay			4.	6.	4.	6.
4th.	Very strong shale.		1.37	4.	6.	9.	0.
6th.	Gray Rock.	100.	2.13	7.	0.	16.	0.
12th.	Crystalline. grey sandstone.	100.	1.12	3.	8.	19.	8.
13th.	Very siliceous grey bind.	100.	1.45	4.	9.	24.	5.
	Fine grey sandstone.	100.	1.73	5.	8.	30.	1.
	Very siliceous grey bind.	100.	0.81	2.	8.	32.	9.
	Coarse grey sandstone.	100.	0.15		6.	33.	3.
14th.	Strong grey bind.	100.	1.30	4.	3.	37.	6.
	Ironstone band.	100.	0.33		1.	37.	7.
	Dark Grey shale.	100.	0.03		1.	37.	8.
	Soft grey bind.	100.	0.30	1.	0.	38.	8.
	Grey shale.	100.	0.20		8.	39.	4.
	Soft grey bind	100.	0.43	1.	5.	40.	9.
	Ironstone.	100.	0.03		1.	40.	10.
	Soft grey bind.	100.	0.28		11.	41.	9.
15th.	-do- with occasional Ironstone bands.	100.	2.72	8.	11.	50.	9.
	Grey bind with carbonicola shells.	100.	0.36	1.	2.	51.	10.
	-do- with plants & fireclay nature.	100.	0.28		11.	52.	9.
	Grey bind.	100.	0.46	1.	6.	54.	3.
	Fireclay (many plants)	100.	0.94	3.	1.	57.	4.
	Grey bind.	100.	0.15		6.	57.	10.
	Fireclay (many plants)	100.	1.04	3.	5.	61.	3.
	Siliceous grey bind with plants.	100.	1.09	3.	7.	64.	10.
	Shale with coal partings.	100.	0.08		3.	65.	6.
16th.	Fireclay.	100.	0.91	3.	0.	68.	6.
	Fireclay (many plants)	100.	2.39	7.	10.	76.	4.
	Siliceous bind.	100.	0.97	3.	2.	79.	6.
17th.	Micaceous Sandstone.	100.	1.42	4.	8.	84.	2.
	-do- -do-	100.	1.88	6.	2.	90.	4.
	Dark shale with very small shells.	100.	0.69	2.	3.	92.	7.
18th.	Dark shale with shells and plants.	100.	2.49	8.	2.	100.	9.
	Black shale with shells.	100.	0.76	2.	0.	103.	3.
19th.	COAL 2"	100.	0.05		2.	103.	5.
	Fireclay with coal streaks, at top	100.	0.08		3.	103.	8.
	Fireclay (many plants)	100.	1.47	4.	10.	108.	6.
	Grey shale.	100.	0.15		6.	109.	0.
20th.	Grey shale.	100.	0.61	2.	0.	111.	0.
	Sandstone.	100.	1.40	4.	7.	115.	7.
	Dark shale with shells.	100.	0.57	1.	8.	117.	3.
	-do-	100.	0.69	2.	3.	119.	6.
21st.	Sandstone.	100.	3.02	9.	11.	129.	5.
	Grey shale with plant remains.	100.	1.19	3.	11.	133.	4.
	Grey bind with large plants(Calamites & Sigillaria) replaced by Coal & small shells replaced by & preserved as pyrites. Little Ironstone also.	100.	1.75	5.	9.	143.	10.
22nd.	Strong grey bind with plants.	100.	1.52	5.	0.	148.	10.
	Fairly strong grey bind.	100.	1.07	3.	6.	152.	4.
	Grey shale.	100.	1.93	6.	4.	158.	8.
	Carbonaceous shale(many plants)	100.	0.83	9.	159.		5.
	Soft grey bind.		0.18	7	160.		0.
	COAL 1'0"	50.	0.30	1.	0.	161.	0.
	Soft Fireclay.	100.	0.76	2.	6.	163.	6.
23rd.	Strong Fireclay.	100.	2.08	6.	10.	170.	4.
	Sandy bind.	100.	2.62	8.	7.	178.	11.
	Sandy bind with coal streaks.	100.	0.05		2.	179.	1.
	Sandy bind.	100.	0.74	2.	5	181.	6.
24th.	Sandy bind with much calamites and an unusual type of small fern.	100.	1.68	5.	6.	187.	0.
28th.	Sandy bind.	100.	1.30	4.	3.	191.	3.
	Sandy bind with large calamites and ferns.	100.	0.18		7.	191.	10.
29th.	Sandy bind with Calamites.	100.	1.63	5.	4.	197.	2.

UNDERGROUND BORE (Cored)

YORKSHIRE 282 NE — SE 30 SE / 15

ROCKINGHAM COLLIERY 87/73 — 1938 – 1939
From Silkstone Seam
To prove Whinmoor Seam — Foraky Ltd.

716 yards W 29° S of Sb. Peter's Church
Hoyland Nether — Depth Not Recorded



3

SE30SE/15

306 87—73

			Core %.	Thickness. Ft.	Ins.	Depth. Ft.	Ins.
Dec.	30th.	Soft bind (extremely few plants) showing current bedding very plainly	100.	5.	1. 52	0.	202. 61. 62.
		Grey sandstone.	100.	2.	44	8.	202. 61. 70.
	31st.	Siliceous Grey bind.	100.	7.	2. 21	3.	210. 64. 03.
		Grey bind with few plants.	100.		0. 13	5.	210. 64. 16.
		Grey Sandstone.	100.	30.	9. 37	9.	241. 73. 53.
Jan.	4-5th.	COAL (4")			0. 10	4.	241. 73. 63.
		COAL and Black shale (6")			0. 15	6.	242. 73. 79.
		COAL (2")			0. 05	2.	242. 73. 84.
		Black shale (2")	1'6½"		0. 05	2.	242. 73. 89.
		COAL (2")				2.	242. 73. 94.
		Black shale (2½")			0. 07	2½.	242. 74. 00. 9½
	6th.	Fireclay	100.	5.	1. 61	3½.	248. 75. 62.
		Sandstone.	100	4.	2. 20	0.	252. 76. 83.
	7th.	Grey shale (sandy)	100.	2,	08	8.	254. 77. 65.
	8th.	Grey shale (dark)	100.		0. 23	9.	255. 77. 88.
	9th.	Ironstone.	100.		0. 05	2.	255. 87. 93.
10th,	11th.	Grey shale (dark)	90.	8.	2. 62	7.	264. 80. 54.
	12th.	Grey(Sandy) bind.	100.	2.	0. 89	11.	267. 81. 43.
	13th.	Grey sandstone.	100.	11.	3. 61	10.	279. 85. 04.
	14th.	Sandy grey bind. Core badly broken from 281'8" to 288'6" owing to diameter reduction from 6" to 5½"	50.		10. 41	4.	283. 86. 26.
	15th.	Sandy grey bind.					
	22nd.	Grey shale.	35.		5. 1. 68	6.	288. 87. 93. 6
	25th.	Grey shale.	100.	23.	7. 04	1.	311. 94. 97. 7
	26th.	Dark grey shale with few poor.					
Feb.	1st.	shell casts.	100.		3. 0. 97	2.	314. 95. 94. 9
		Grey shale.	100.		0. 28	11.	315. 96. 22. 8
		Very dark grey shale.	100.		1. 0. 86	2.	316. 96. 57. 10.
	2nd.	Sandy dark grey bind.	100.		5. 1. 57	2.	322. 98. 50.
	3rd.	Grey shale.	100.		8. 2. 59	6.	330. 100. 46.
		Black shale.	100		1. 0. 46	6.	332. 101. 19. 0
		Bottom of hole.					

A. JOHNSON 13.7.77.

Appendix E Coal Authority Report

The Coal Authority

Resolving the impacts of mining

CON29M Non-Residential Mining Report

114 HOYLAND ROAD
HOYLAND COMMON
BARNSLEY
S74 0AS

Date of enquiry:	04 September 2018
Date enquiry received:	04 September 2018
Issue date:	04 September 2018
Our reference:	51001923054001
Your reference:	5003

CON29M Non-Residential Mining Report

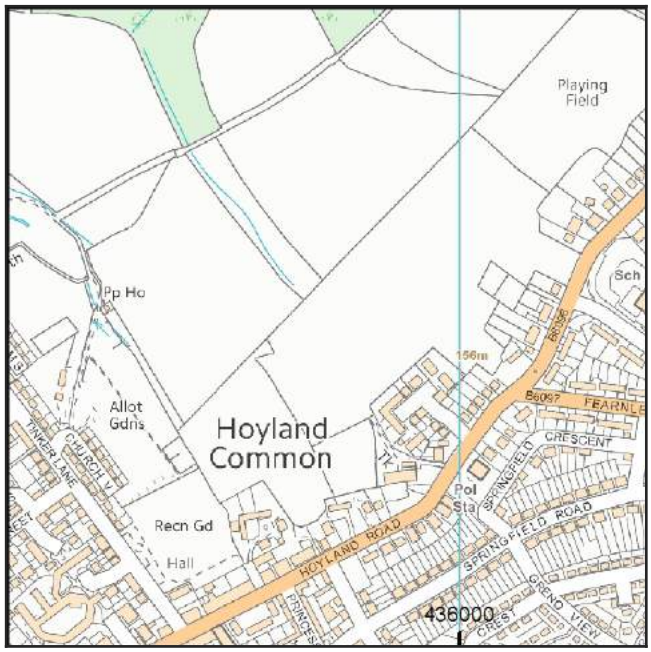
This report is based on, and limited to, the records held by the Coal Authority, at the time we answer the search.

Client name

JPG (LEEDS) LIMITED

Enquiry address

114 HOYLAND ROAD, HOYLAND COMMON, BARNSLEY, S74 0AS



Approximate position of property

How to contact us

0345 762 6848 (UK)
+44 (0)1623 637 000 (International)

200 Lichfield Lane
Mansfield
Nottinghamshire
NG18 4RG

www.groundstability.com

/company/the-coal-authority
/thecoalauthority
/coalauthority

Summary

Has the search report highlighted evidence or potential of		
1	Past underground coal mining	Yes
2	Present underground coal mining	No
3	Future underground coal mining	Yes
4	Mine entries	Yes
5	Coal mining geology	No
6	Past opencast coal mining	Yes
7	Present opencast coal mining	No
8	Future opencast coal mining	No
9	Coal mining subsidence	Yes
10	Mine gas	No
11	Hazards related to coal mining	No
12	Withdrawal of support	No
13	Working facilities order	No
14	Payments to owners of former copyhold land	No

Further recommended reports
Coal mining subsidence claims 50m buffer report
Coal mining subsidence claims history

For detailed findings, please go to page 4.

Detailed findings

1. Past underground coal mining

The property is in a surface area that could be affected by underground mining in 15 seams of coal at 60m to 440m depth, and last worked in 1977.

Any movement in the ground due to coal mining activity should have stopped.

In addition the property is in an area where the Coal Authority believe there is coal at or close to the surface. This coal may have been worked at some time in the past. The potential presence of coal workings at or close to the surface should be considered prior to any site works or future development activity. Please refer to the Comments section of this report for further information.

2. Present underground coal mining

The property is not within a surface area that could be affected by present underground mining.

3. Future underground coal mining

The property is not in an area where the Coal Authority has plans to grant a licence to remove coal using underground methods.

The property is not in an area where a licence has been granted to remove or otherwise work coal using underground methods.

The property is not in an area likely to be affected from any planned future underground coal mining.

However, reserves of coal exist in the local area which could be worked at some time in the future.

No notices have been given, under section 46 of the Coal Mining Subsidence Act 1991, stating that the land is at risk of subsidence.

4. Mine entries

There are no known coal mine entries within, or within 20 metres of, the boundary of the property.

There may however be mine entries/additional mine entries in the local area which the Coal Authority has no knowledge of.

5. Coal mining geology

The Coal Authority is not aware of any damage due to geological faults or other lines of weakness that have been affected by coal mining.

6. Past opencast coal mining

The property is within the boundary of an opencast site from which coal has been removed by opencast methods.

7. Present opencast coal mining

The property does not lie within 200 metres of the boundary of an opencast site from which coal is being removed by opencast methods.

8. Future opencast coal mining

There are no licence requests outstanding to remove coal by opencast methods within 800 metres of the boundary.

The property is not within 800 metres of the boundary of an opencast site for which a licence to remove coal by opencast methods has been granted.

9. Coal mining subsidence

A damage notice or claim for alleged subsidence damage was made in October 1995 for 114 HOYLAND ROAD, HOYLAND COMMON, BARNSLEY, SOUTH YORKSHIRE, S74 0AS. However, the claim was rejected.

There is no current Stop Notice delaying the start of remedial works or repairs to the property.

A damage notice or claim for alleged subsidence damage was made in December 1994 for 124 HOYLAND ROAD, HOYLAND COMMON HOYLAND, BARNSLEY, SOUTH YORKSHIRE, S74 0AS. However, the claim was rejected.

There is no current Stop Notice delaying the start of remedial works or repairs to the property.

There are a further 2 claim(s) within 50 metres of the property boundary that do not match the property address. These are shown on the enquiry boundary plot.

The Coal Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.
If further subsidence damage claims information is required, please visit www.groundstability.com.

10. Mine gas

The Coal Authority has no record of a mine gas emission requiring action.

11. Hazards related to coal mining

The property has not been subject to remedial works, by or on behalf of the Authority, under its Emergency Surface Hazard Call Out procedures.

12. Withdrawal of support

The property is not in an area where a notice to withdraw support has been given.

The property is not in an area where a notice has been given under section 41 of the Coal Industry Act 1994, cancelling the entitlement to withdraw support.

13. Working facilities order

The property is not in an area where an order has been made, under the provisions of the Mines (Working Facilities and Support) Acts 1923 and 1966 or any statutory modification or amendment thereof.

14. Payments to owners of former copyhold land

The property is not in an area where a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

Comments on the Coal Authority information

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In view of the mining circumstances a prudent developer would seek appropriate technical advice before any works are undertaken.

Therefore if development proposals are being considered, technical advice relating to both the investigation of coal and former coal mines and their treatment should be obtained before beginning work on site. All proposals should apply good engineering practice developed for mining areas. No development should be undertaken that intersects, disturbs or interferes with any coal or mines of coal without the permission of the Coal Authority. Developers should be aware that the investigation of coal seams/former mines of coal may have the potential to generate and/or displace underground gases and these risks both under and adjacent to the development should be fully considered in developing any proposals. The need for effective measures to prevent gases entering into public properties either during investigation or after development also needs to be assessed and properly addressed. This is necessary due to the public safety implications of any development in these circumstances.

Additional remarks

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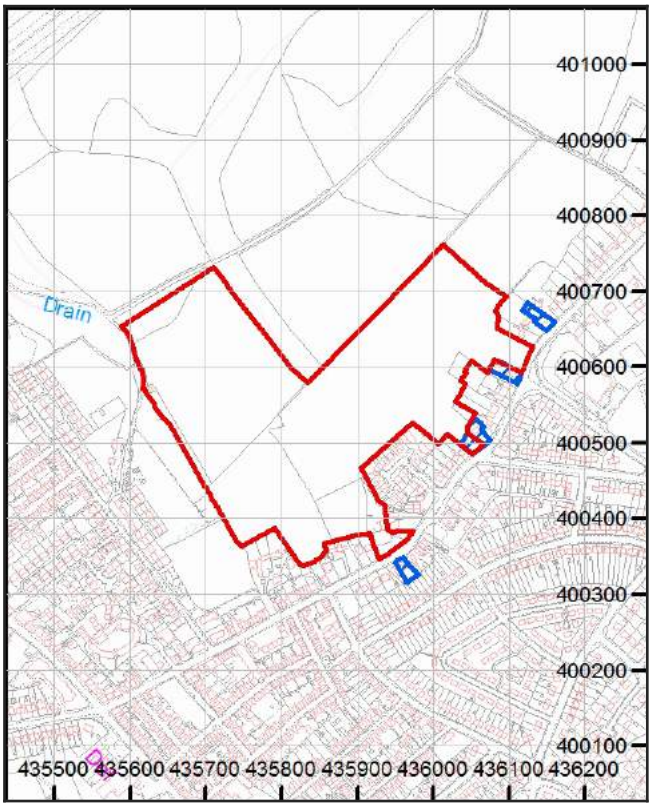
Enquiry boundary

Key

Approximate position of enquiry boundary shown

Coal claims



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