



NGRC
BOREHOLE RECORDS
ADJUSTMENT FORM

QUARTER SHEET SK 46 SW

BH REGISTRATION NUMBER 65 - 80

~~NUMBER NOT USED~~

~~RECORDS NOT ENTERED!~~

(Delete as appropriate)

RECORDS ENTERED AND HELD IN WALLINGFORD

BH REGISTRATION NUMBER(S)



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

RECORD OF SHAFT OR BORE FOR MINERALS

Name and Number of Shaft or Bore

Tibbsley Hall Borehole 1954

For Messrs.

N.C.B.

Town or Village

Tibbsley

County

Derbyshire

Six-inch quarter sheet 36 NW

Exact site

43/441601

see attached sketch map.

SK 4410 6010

(For Survey use only)

1-inch Map Registered No.

112 / 119

6-inch Map

Registered

No.

SK 46/63

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

Purpose for which made To determine depth and thickness of the Altan Coal

Level at which shaft commenced relative to O.D. 484.9 ft. above O.D. State if shaft is up, down, horizontal or

inclined; in latter cases give angle of inclination and direction DOWN

Made by Boyles Bros Drilling Company Ltd

Information from

P.M.L. D. Duff

Date of Sinking

commenced 9.6.54.

Specimens

collected by P.M.L. D. Duff

Additional Notes in Space Overleaf

(For Survey use only)
GEOLOGICAL
CLASSIFICATION

NATURE OF STRATA

THICKNESS

DEPTH

Top of
main on
Coal
UPPER

CARBONIFEROUS

WESTPHALIAN
A

Siltstone
and Sand-
stone
12-1

Clunch and
clunchy bind
13-8

Sandstone
and siltstone
29-5

Rotary "open-hole" boring
(no cores)

bored boring

Mudstone, silty, dark grey with ironstone
Shale, black, with coalified plants
blunch, black carbonaceous, becoming grey
and silty, locally

Siltstone, grey, hard with sandy partings

Sandstone, grey

Siltstone, grey with sandy partings

Siltstone, grey

Mudstone, silty, grey, fragmentary

'Ashgate' bore 3 in

bore mining

blunch, soft (1 ft 5 in core mining)

Mudstone, silty, grey with rootlets

Sandstone, grey

Mudstone, silty, with ironstone and rootlets

Sandstone, grey (thin band with mudstone pellets)

1206 ft (1206)

No core (open-hole)

Siltstone and sandstone interbedded

Sandstone, grey, micaceous 38 in

Siltstone and sandstone, interbedded (3 ft 8 in core mining)

Sandstone, pale grey, and (thin core mining)

blunch, grey, ironstone stone-clunch

ft		ft	
1165	0	1165	0
3	5	1168	5
0	1	1168	6
3	5	1171	11
8	3	1180	2
1	4	1181	6
2	2	1183	8
12	1	1184	10
1	6	1186	16
0	3	1186	7
0	1	1186	8
2	5	1189	1
3	1	1190	4
11	0	1201	16
2	5	1203	9
9	7	1213	4
10	0	1223	4
2	10	1226	2
6	1	1232	3
16	1	1248	4
4	5	1252	9
3	2	1255	11
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		(*40548) W.10120/101 5,000 4/50 A. & A. Ltd. up.608		County <u>Derbyshire</u>		
Name and Number of Shaft or Bore given by Geological Survey:				6" Quarter Sheet <u>36 NW</u>		
<u>Gibbels No 1 Borehole cont 2</u>				<u>SK46/63 112</u>		
WEST	GEOLOGICAL CLASSIFICATION	DESCRIPTION	THICKNESS		DEPTH	
			ft	in	ft	in
	PHALIAN A				1255	11
	Mudstone, grey, silty, with thin ironstone band at base (only 4 in. core recovered)		10	5	1260	12
	Mudstone, dark grey, shaly		12	0	1268	12
	Sandstone and siltstone	Sandstone with silty bands, phosphatic nodules and ironstone	2	4	1270	10
		Siltstone with sandy partings and plants	6	4	1275	0
	Mudstone and siltstone with ironstone 30-0	Mudstone, silty, dark grey with 1 1/2 in. ironstone band at 1275 ft 7 in.	2	0	1277	0
		Siltstone, dark grey	1	2	1279	0
		Mudstone, silty, dark grey with ironstone	7	7	1286	7
		Sandstone with silty partings	0	10	1281	5
		Mudstone, silty, with sandy partings and ironstone	2	8	1284	1
	Silty	Mudstone, silty, and siltstone with ironstone	20	11	1305	0
	Silty	Mudstone, silty, with ironstone	6	0	1311	0
		Mudstone, dark grey with fish-debris "Mickley"	4	8	1315	8
		Coarse 2 in				
		Coarse 6 in	0	8	1316	4
		Blunch, silty, grey, brown and siltstone with sandstone bands	4	8	1321	0
		Siltstone with sandstone bands	10	6	1331	6
	Mudstone, dark shelly 28-6	Mudstone, silty, with sandy partings, occasional ironstone and "murels"	5	6	1337	0
		Mudstone, dark grey with numerous "murels" and ostracods	25	6	1360	0
		Mudstone with fish-debris, stickinoids, and 4-in "cone" band at 1371 ft 2 in.	13	6	1373	6
		Shale, black	0	1	1373	7
	Clunch and clunchy mudstone R-II	Blunch, black, carbonaceous becoming grey, silty, downwards with ironstone band at 1379 ft 1 in.	9	5	1383	0
		Mudstone, silty, with occasional "murels"	3	0	1386	6
		Siltstone grey with "murels"	7	6	1394	0
		Mudstone, silty with 2-in ironstone band at 1395 ft. 0 in.	7	8	1401	8
	Mudstone, dark shelly 1-0	Mudstone, dark grey with "murels" and ostracods	0	9	1402	5
		Shale, black, silty, with plants and fish-debris	0	8	1402	8
		Blunch, pebbly, concretionary soft clunch-brownish	8	4	1411	0
		Mudstone, silty, with sandy partings at top	3	0	1414	0
	and shelly	Siltstone, dark grey	4	1	1415	1
		Mudstone, silty, with ironstone and "murels"	9	2	1424	3
	clunch and clunchy silstone 3-3	Siltstone, dark grey with rootlets	0	10	1425	3
		Blunch, dark grey, silty	2	5	1427	6
	Mudstone, dark with ironstone 10-7	Mudstone, silty, dark grey with 2-in ironstone band at 1431 ft 0 in and 3-in ironstone band at base	10	7	1438	1
		Mudstone, silty, with ironstone and "murels"	5	7	1443	8

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(*40548) WL10120/161 4,000 4/50 A & B.W.Ltd. Gp.688

Name and Number of Shaft or Bore given by Geological Survey:
Telshel / No 1 Borehole (cont.)

County Derbyshire
6" Quarter Sheet 36NW
SK 46/63 112

GEOLOGICAL CLASSIFICATION	DESCRIPTION	THICKNESS	DEPTH
WESTPHALIAN A	stellys		1443 8
	Mudstone, dark, carbonaceous at base, with fish-debris "mussels" and other fossils	0 1/2	1444 3 1/2
	Bannel 2 1/2 m.		
	Basal 2 m.	0 4 1/2	1444 8
	blunch and stone - chunch	2 8	1447 4
	Sandstone, pale grey and silty 13'	6 2	1453 6
	Sandstone, pale grey, brown	5 6	1459 0
	Sandstone, with silty partings	2 0	1461 0
	Siltstone, with sandy partings	10 0	1471 0
	Siltstone, grey	15 8	1487 0
	Siltstone, with sandy partings	29 3 7 7	1490 7
	Siltstone, with 2-m. ironstone band containing plants at 1491 ft. 0 in.	5 11	1496 6
	Mudstone, silty, grey	6 1	1502 7
	Sandstone and siltstone with plants	11 3	1513 10
	blunch, sandy	3 2	1517 0
	Sandstone, grey	3 6	1520 6
	Siltstone, grey with sandy partings at top	27 6	1548 0
	Mudstone, silty	4 0	1552 0
	Mudstone, stony with "mussels" fish-debris	9 0	1561 0
	Mudstone, silty	1 0	1562 0
	Siltstone, dark grey with cone		
	shells, "mussels" and "fish-debris"	1 10	1563 10
	<u>KILBURN HORIZON of Kilburn Coal</u>		
	Sandstone and ironstone, with fish-fragments and carbonaceous material	0 2	1564 0
	Sandstone and siltstone, interlaminate		
	with corallified plants	13 3	1577 3
	Siltstone with sandstone partings and plants	6 9	1582 0
	Sandstone and siltstone, interlaminate	5 2	1587 2
	Siltstone, dark grey with sandy bands	4 3	1591 5
	Sandstone with numerous corallified plants & coal streaks	6 0 8	1602 1
	Breccia, schistose matrix with siltstone and		
	silty mudstone fragments	0 5	1602 6
	Sandstone, grey	0 5	1602 11
	Sandstone with angular siltstone fragments in top 4 in.	4 11	1607 10
	Breccia, sandstone matrix with		
	siltstone, silty mudstone and ironstone fragments	6 7	1602 5
	Sandstone, with occasional siltstone fragments and ironstone	5 0	1607 5
	Sandstone, grey	1 1	1613 6
	Sandstone, with occasional siltstone fragments and ironstone	1 4	1610 2
	Sandstone, grey	19 10	1620 0
	Breccia, sandstone matrix with		
	siltstone & silty mudstone fragments	7 0	1621 0
	Sandstone with plants and phosphatic nodules	6 5	1625 5
	Mudstone, silty	10 7	1630 10

indent as for coals

Sandstone and siltstone 27-5

Sandstone with conglomeratic layers 43-4

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(*00540) W130120/101 4,000 4/50 A.E.W Ltd. Up.688

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

Wobshely No1 Borehole

112/1196

County West Yorkshire

6" Quarter Sheet 36 NW 11

SK46/63

GEOLOGICAL CLASSIFICATION	DESCRIPTION	THICKNESS	DEPTH
WESTPHALIAN A			
Sand stone and siltstone 49-3	Siltstone, grey	0 9	1706 9
	Sandstone and siltstone	4 6	1712 0
	Sandstone, grey	7 9	1719 9
	Siltstone, grey	1 5	1721 2
	Sandstone, grey	26 1	1747 3
	Siltstone, grey	8 0	1755 3
	Mudstone, silty, with occasional wormholes	29 10	1785 1
	Siltstone, grey	4 0	1789 1
	Ironstone with calcite occurring	1 2	1790 3
	Siltstone, grey		1792 0
	Mudstone, silty, with "murels"		
	at 1806 ft 4 in.	38 0	1835 0
	Mudstone, shaly, dark grey	23 0	1858 0
	Mudstone, silty, with occasional wormholes	21 0	1879 0
	Mudstone, dark grey	9 0	1888 0
	Mudstone, silty, with occasional wormholes and 1-in. ironstone at base	2 9	1890 9
	Mudstone, shaly with fish-debris, ostracods and ironstone	15 3	1906 0
	Mudstone, silty, with irregular pyrite nodules	2 0	1908 0
	Mudstone and silty mudstone with irregular pyrite nodules and tubes	22 0	1930 0
	Mudstone, silty, with pyrite nodules and fish-debris	19 2	1935 2
	blanch, silty, with occasional wormholes and fish-debris at top	4 8	1939 10
	Siltstone, hard grey and shaly	1 2	1941 0
	Mudstone silty with numerous "murels" and occasional fish and ostracods, ferruginous at base	11 9	1952 9
	Mudstone, dark grey with "murels"		
	2-in. ironstone at 1957 ft 0 in. and		
	2-in. canth beams at 1957 ft 0 in.	9 3	1962 0
	Mudstone, silty	1 9	1963 9
	MORTON MARINE SAND		
	Mudstone, silty, with fish-debris, irregular pyrite nodules and base		
	Conodonts; thin coal streak at 1964 ft 11 in.	1 2	1964 11
	Siltstone, hard dark grey	0 2	1965 1
	MORTON COAL		
	Coal 7 in.	0 7	1965 8
	blanch, stony hard	2 2	1967 10
	Sandstone, grey-green micaceous	3 2	1971 0
	Siltstone, sandy at top with 1-in. ironstone at base	17 4	1988 4
	Mudstone, silty with occasional wormholes	6 1	1992 5
	Mudstone, with plants and fish-debris with 3-in. canth at 2001 ft 4 in., 2-in. canth at base and 2-in. ironstone at 2001 ft 4 in.	11 3	2003 3
	Shale, black with irregular pyrite nodules and fish-debris	0 11	2004 1

for synke read pyrite mudstone and silty pyritous 29-2

indent 1/2 inch

Mudstone with canth and ironstone and fish-debris 15-3



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(*40549) WL30120/A101 6,000 4/50 A. & E.W. Ltd. 50p.685

Name and Number of Shaft or Bore given by Geological Survey:
Fildesley No 1 Borehole

County Dorset
6" Quarter Sheet 36 NW
SK46/63 H2

GEOLOGICAL CLASSIFICATION	DESCRIPTION	DEPTH	DATE
WESTPHALIAN A			
	Coal 3 in		
Stone	Sandstone	0 3	2004 6
	bluish, hard, light brown	10 0	2004 9
	Sandstone, grey, brown	0 7	2005 9
	(condensed by R.A. Eden)		2006 4
	and siltstone	16 5	2022 9

6		Name and Number of Shaft or Bore given by Geological Survey:		County <u>Delaware</u>	
		<u>Tithon</u>		6" Quarter Sheet <u>112</u>	
		<u>Spills here this method of work</u>		<u>SK 46/63</u>	
		<u>you're off</u>			
GEOLOGICAL CLASSIFICATION	DESCRIPTION	THICKNESS	DEPTH		
was above examined by P.M. & D. 55 WESTPHALIAN A	Sandstone, shaly, with mudstone siltstone partings (60% sandstone), 3-in. wistone band at 2014/1, very micaceous, some horizontal rootlets, occasional very worm burrows.	1	2011 0		
7' incl in separate bed	Siltstone, dark, with sandstone laminations and occasional thin sandstone bands including a 7-in. cemented micaceous sandstone band with horizontal rootlets at 2020/10, 6-in. slump bedding at 2019/3.	3 10	2014 10		
	Mudstone, silty, dark, a few fish scales at 2024/3, 1-in. wistone band at 2025/4.	7 11	2022 9		
Mudstone, dark with wistone and fish debris	Mudstone, darker than above and passing down to black, occasional fish remains.	12 7	2025 4		
15-3	Mudstone, black, ramifying pyritization, occasional fish remains, Lingula at 2038/0.	2 8	2038 0		
LINGULA BAND	Siltstone, dark, coarse grained, micaceous, a few sandstone wisps, broken? Lingula in caprolite-like bodies at top.	2 2	2040 4		
7' incl 1/2-inch as for North Main Band	Mudstone, silty, dark, 1 1/2-in. wistone band at 2043/6.	3 4	2043 8		
	Shale, black, some plant remains, occasional fish scales, Lingula at 2043/10, 2044/0 to 2044/2, occasional pyrite spots and ramifications.	8	2044 4		
	(Core lost between 2034/4 + 2044/0) Sandstone, grey, hard, granite-like, with rootlets, carbonaceous wisps and micaceous partings.	4 8	2049 0		
	Sandstone, micaceous partings, some rootlets, 12-in. laminated band at 2053/2, siltstone partings increasingly common from 2056/2 to base, occasional worm burrows in layer.	1 10	2050 10		
Sandstone and siltstone 22-8	Siltstone, dark, a few sandy laminations in top 4 ft.	15 5	2054 7		
	Mudstone, silty, dark, occasional thin wistone lenses.	9 3	2073 6		
	Mudstone, dark, occasional fish remains, 2-in. wistone band at 2084/6.	9 11	2083 11		
			2084 6		

most on separate bed

Mudstone, dark with wistone and fish-debris 15-3

LINGULA BAND

Indent 1/2-inch as for North Marine Band

Sandstone and siltstone 22-8

Mudstone, dark with wistone; fish debris at base. 11-0

Name and Number of Shaft or Bore given by Geological Survey:		County <u>Dorset</u>	
<u>Titchelt</u>		6" Quarter Sheet <u>SK46/63/12</u>	
GEOLOGICAL CLASSIFICATION	DESCRIPTION	THICKNESS	DEPTH
WESTPHALIAN A	ALTON MARINE BAND		2084 6
Shale, black	Shale, black, full of <u>Lingula</u> at 2084/7, <u>Lingula</u> at 2084/11-85/4, horizontal slip at 2086/4-86/7		2086 10
Lingula	Shale, black, with abundant marine fossils including <u>Gastropods</u> & <u>Pridonia</u> 2086/10-11, mainly <u>Pridonia</u> 2086/11-2087/7, mainly crowded <u>Dumbrella</u> (some <u>Gastropods</u> & <u>Pridonia</u>) 2087/7-11		2088 1
add other marine fossils 3'-7"			
ALTON	ALTON COAL 21in.		
	(Top 7 in. solid coal, remainder fragmentary)	1 9	2089 10
	Granite, grey with white spots, top 4 in. remainder pale grey with dark mottles, a little pyrite, appears to be of good quality except possibly top 4 in.	1 10	2091 8
Sandstone, granitic-like 3'-8"	Sandstone, very fine grained, granitic-like, mottled, cream mudstone, partings, some pyritic lenses	1 1	2092 9
	Sandstone, granitic-like, pale grey with white spots in top 6 in, scattered large angular quartz grains, no mottles except for ghosts in top 6 in.	2 7	2095 4
	Siltstone, passing down to mudstone and pale creamy grey with sphaeroidals	2 1	2097 5
	Mudstone, dark, silty, many shaly, very poorly preserved, much at 2098/6, poorly preserved, much at 2100/6-2100/7, siltstone lower in lower 4 in.	3 11	2101 4
<u>Insert</u>		10	2102 2
LINGULA BAND	Shale, dark, rare fish scales		
	Shale, dark, pyritic spots with <u>Lingula</u> 2102/6-2102/6.5, silty bands, base, fishy and few fish remains; a few sandy lens at base	6	2102 8
FIRST			
ST. SHALLEY	COAL 8in.		
	(duty, 100% recovery)	8	2103 4
	Granite, (duty, 100% recovery) with small, irregular, thin, silty, crystalline, mottled to fine grained	2 4	2105 2

Name and Number of Shaft or Bore given by Geological Survey:		County <u>Derby.</u>		6" Quarter Sheet <u>112/1</u>	
<u>Tibshelf.</u>				<u>SK46/63</u>	
GEOLOGICAL CLASSIFICATION	DESCRIPTION	THICKNESS	DEPTH		
WESTPHALIAN A	Sandstone and siltstone interbedded becoming more silty towards base	5	2105	8	
	Siltstone passing downwards into sandstone	6	2112	5	
	Mudstone, silty, dark, fine grained with some small, rounded, flinty nodules (lenses); bottom half inch silty (granular) and carbonaceous with some fish scales	4	2116	10	
SECOND Sub. SHALLEY.	COAL 4 in (dirty, 100% recovery)	4	2117	2	
	Gamister, very pale with dark mottled, moderate quality	1	2118	5	
	Sandstone with some siltstone partings, mottled towards top	4	2123	0	
	Siltstone with sandstone laminations in top 6 ft. becoming finer-grained downwards (2) 6 in. band of crowded large mussels at 2124/4"	11	2124	8	
	Sandstone, fine-grained	6	2125	2	
HOLBROOK.	COAL 3 in (1 in. recovered)	3	2135	5	
Cleach 4'-7"	Freestone, hard, silty, brownish grey with carbonaceous parts, becomes softer and muddy in lower half, ironstone nodules in lower 8 in.	2	2138	2	
	Shale, silty mudstone, brownish grey passing down to grey	1	2140	0	
	Siltstone and sandstone interbedded	2	2142	3	
	Sandstone with many very micaceous laminations, false bedding dips up to 20°	8	2142	2	
Sandstone 15'-9"	Sandstone, massive, false bedding dips up to 20° whitish-grey, lower 8 in siliceous + well cemented, sharp base	7	2158	0	
	Shale, dark, slightly silty, a few plant fragments	4	2158	4	
	Sandstone, fine grained, slightly micaceous	9	2159	1	
BEPPERLAUN	COAL 7 in. (dirty; 100% recovery)	7	2159	8	



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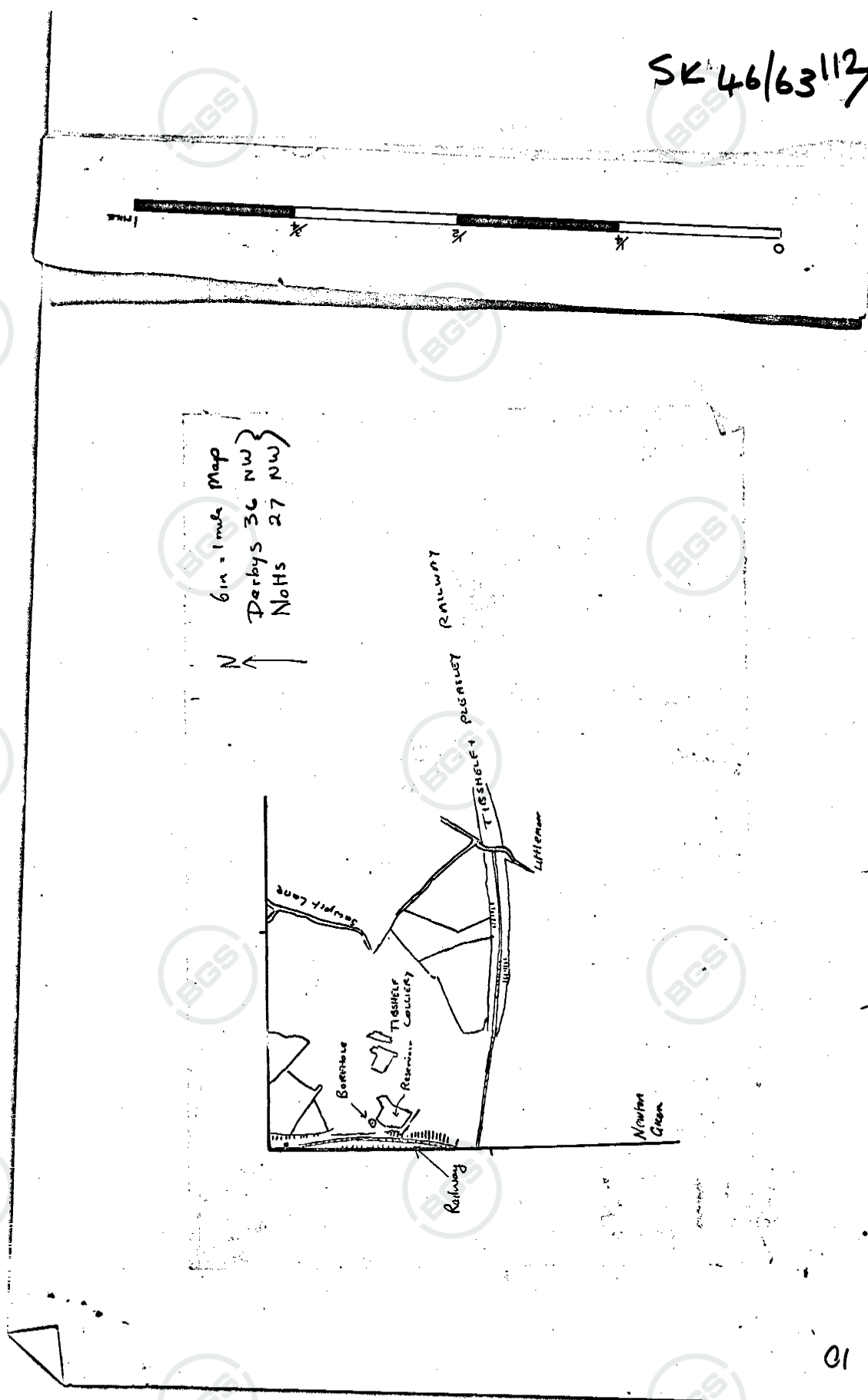
(P45626) WY.22281/0459 5,000 1/51 A.B.E.W.LTD. G.P.655

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

County Derby.
6" Quarter Sheet 12/1
SK46/63

GEOLOGICAL CLASSIFICATION	DESCRIPTION	THICKNESS	DEPTH
WESTPHALIAN A <u>CRAWSHAW</u> <u>SANDSTONE</u>	Seawall, dark / silty / coarse-grained Sandstone + siltstone / interbedded and interbedded (60% sandstone), micaceous Sandstone base as fine grained with micaceous siltstone	2 2 10 2	2159 8 2162 2 2172 4
	Base of borehole.		
	Small section of for pot and abridged log referred to NCB		
	Ref to NCB (with abridged log) 10.355 well		
	VE 10.524		

SK 46/63 112/19



11

Typings 1 + 6
(+ cover) 112/

Report on Telford No. 1 Borehole

by P. and D. Duff

H.M. Geological Survey

New-Series Geological

Location - 1-m. Map 112; 6-m. map 36NW.
National Grid Reference 43/41601 SN Number 116 above O.D. 184.9 ft.

Object of Boring - To determine depth and thickness of the alien coal

Drilling Methods - Rotary "open-hole" boring to 1165 ft. Rotary core-boring to base.

Abstract of Section - The main horizons have been identified as follows:-

Name	Thickness		Depth	
	Ft.	in.	Ft.	in.
? "Ashgate" coal	0	3	1186	7
"Muckley" coal	0	8	1316	4
Horizon of Kellum Coal			1564	0
Kellum coal	0	1	1965	8
coal	0	3	2004	9
Alston coal	1	9	2089	10
First Smallley coal	0	8	2103	4
Second Smallley coal	0	4	2117	2
1/10 Brook coal	0	3	2135	5
Belgic coal	0	7	2159	8

WESTPHALIAN A
THROUGHOUT COPE
SECTION

Notes on Horizons

? "Ashgate" and "Muckley" coals - These horizons are readily correlated with the corresponding ones at Morton Colliery (Underground) Borehole; though the thicknesses are considerably less than Kellum coal. - There is little doubt of the horizon of this coal; the strata recorded above it correspond closely to those in Morton Colliery (Underground) Borehole. The Kellum coal is replaced by a 2-in. band of interstratified sandstone and poorly sorted sandstone, the latter containing abundant fragments of organic phosphate and carbonaceous material. It is possible that this rock and the 1-10 in. of illite above represent a "washout" of an unusual type; although there is no evidence that the Kellum coal is represented.

MORTON

12

SK 46/53 112/19

is any great thickness as far east as Tibshelt.

NORTON

Horton Coal:- Correlation certain. The Horton "Masset" Sand and Marnie Band (the latter poorly represented) are both present.

Alton Coal:- Correlation certain. The interval between the Horton and the Alton has decreased considerably. It is of interest to note that

found to be the case

this is frequently ^{where} ~~observed~~ that there is a "full" succession below the Alton Coal. The nearest comparable section is that of the Alton Colliery (Underground) Borehole, where, however, all the coals from the Horton downwards were missing ^{though} but their horizons ^{were} readily recognised by the presence of gangsters.

P. Mc. L. D. Duff

W. Edwards (District Geologist)

APPENDIX

Abridged Section of Tibshelt No. 1 Borehole 1954

Rotary 'open-hole' boring etc. Fr. in. Fr. in.

(run on as a rest page)

(Copy as altered in pencil)