



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

Purpose for which made

To determine depth and thickness of the Alt. Coal

Level at which

shaft
bore

commenced relative to O.D.

184.9 ft. above O.D.

State if

shaft
bore

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

Rotary "open-hole" boring
(no cores)

1165 0

1165 0

bored boring

CARBONIFEROUS

Mudstone, silty, dark grey with ironstone

3 5

1168 5

WESTPHALIAN
A

Shale, black, with coalified plants

0 1

1168 6

blunch, black carbonaceous, becoming grey
and silty, locally

3 5

1171 11

Siltstone

siltstone, grey, hard with sandy partings

8 3

1180 2

and Sand-
stone

Sandstone, grey

1 4

1181 6

12-1

Siltstone, grey with sandy partings

2 2

1183 8

Siltstone, grey

12-1 2

1184 10

Mudstone, silty, grey, fragmentary

1 6

1186 16

?'Ashgate' bore 3 in

0 3

1186 7

bore mining

0 1

1186 8

Clunch and
clunchy bind

blunch, soft (1 ft 5 in core mining)

2 5

1189 1

13-8

Mudstone, silty, grey with rootlets

3 1 38

1190 4

Sandstone, grey

11 0

1201 14

Mudstone, silty, with ironstone and rootlets

2 5

1203 9

Sandstone, grey (thin band with mudstone pellets)

9 7

1213 14

1206 ft (12 in)

10 0

1223 14

No core (open-hole)

2 10

1226 2

Sandstone

Siltstone and sandstone interbedded

6 1

1232 3

and siltstone

Sandstone, grey, micaceous

16 1

1248 14

29-5

Siltstone and sandstone, interbedded (3 ft 6 in core mining)

4 5

1252 9

Sandstone, pale grey, and (thin core mining)

3 2

1255 11

blunch, grey, ironstone stone-clunch

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

(40548) W.10120/101 5,000 4/50 A. & A. Ltd. up. 608

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

Gibbels No 1 Borehole cont 2

County

Derbyshire

6" Quarter Sheet

36 NW

SK46/63 112

WEST	GEOLOGICAL CLASSIFICATION	DESCRIPTION	THICKNESS	DEPTH
	PHALADY A			
	Mudstone, grey, silty, with thin ironstone band at base (only 4 in. core recovered)		10 5	1255 11
	Mudstone, dark grey, shaly		12 0	1268 11
	Sandstone and siltstone			
	Sandstone with silty bands, phosphatic nodules and ironstone		2 4	1270 10
	Siltstone with sandy partings and plants		6 4 2 8	1275 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 0	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
	Mudstone, silty, with sandy partings, occasional ironstone and "murels"		10 6	1331 6
	Mudstone, dark grey with numerous "murels" and ostracods		5 6	1337 0
	Mudstone, with fish-debris, stichonotids, and 4 in "cone" band at 1371 ft 2 in.		25 6	1360 0
	Shale, black		23 0	
	Blunch, black, carbonaceous becoming grey, silty, downwards with ironstone band at 1379 ft 1 in.		13 6	1373 6
	Mudstone, silty, with occasional "murels"		0 1	1373 7
	Siltstone, grey with "murels"		9 5	1383 0
	Mudstone, silty, with 2 in ironstone band at 1395 ft 0 in.		3 0	1386 6
	Mudstone, dark grey with "murels" and ostracods		7 6	1394 0
	Shale, black, silty, with plants and fish-debris		7 8	1401 8
	Blunch, pebbly, concretionary, soft clunch-brownish		0 9	1402 5
	Mudstone, silty, with sandy partings at top		1 0	1402 8
	Siltstone, dark grey		8 4	1411 0
	Mudstone, silty, with ironstone and "murels"		3 0	1414 0
	Siltstone, dark grey with "murels"		4 1	1415 1
	Blunch, dark grey, silty		9 2	1424 3
	Mudstone, silty, dark grey with 2 in ironstone band at 1431 ft 0 in and 3 in ironstone band at base		0 10	1425 4
	Mudstone, silty, with ironstone and "murels"		2 5	1427 6
	Siltstone, 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	1444 8

3

(*40548) WL10120/161 4,000 4/50 A & B.W.Ltd. Gp.688 3

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

County Derbyshire
6" Quarter Sheet 36 NW
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.		
	Bas 2 m.	0 4 1/2	1444 8
	blunch and stone - clunch	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-in 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, interlamated with carbonified plants	13 3	1577 3
	Siltstone with sandstone partings and plants	6 9	1582 0
	Sandstone and siltstone, interlamated	5 2	1587 2
	Siltstone, dark grey with sandy bands	4 3	1591 5
	Sandstone with numerous carbonified 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	1612 5
	Sandstone, with occasional siltstone fragments and ironstone	5 0	1617 5
	Sandstone, grey	1 1	1618 6
	Sandstone, with occasional siltstone fragments and ironstone	1 4	1620 2
	Sandstone, grey	19 10	1640 0
	Breccia, sandstone matrix with siltstone & silty mudstone fragments	7 0	1647 0
	Sandstone with plants and phosphatic nodules	6 5	1653 5
	Mudstone, silty	10 7	1664 0

indent as for coals

Sandstone and siltstone 27-5

Sandstone with conglomeratic layers 43-4



(400548) W130120/161 4,000 4/50 A & E.W Ltd. Up. 688		County <u>West Yorkshire</u>	
Name and Number of Shaft or Bore given by Geological Survey: <u>Subsely No 1 Borehole</u>		6" Quarter Sheet <u>36 NW 11</u>	
		<u>SK46/63</u>	
GEOLOGICAL CLASSIFICATION	DESCRIPTION	THICKNESS	DEPTH
WESTPHALIAN A			1706 0
Sandstone and siltstone 49-3	Siltstone, grey	0 9	1707 6
	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 mud cracks	29 10	1785 1
	Siltstone, grey	4 0	1789 1
	Prominent with calcite occurring	1 2	1790 3
	Siltstone, grey		1797 0
for synke read pyrite mudstone and silty mudstone pyritous 29-2	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 ironstone	21 0	1879 0
	Mudstone, dark grey	9 0	1888 0
	Mudstone, silty, with ironstone concretions 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 coarse concretions and fish-debris at top	4 8	1939 10
Mudstone with conk and ironstone and fish-debris 15-3	Siltstone, hard grey and shaly	1 2	1941 0
	Mudstone silty with numerous "murels" and occasional fish and ostracods, thin ironstone at base	11 9	1952 9
	Mudstone, dark grey with "murels"		
	2-in. ironstone at 1957 ft 0 in and		
	2-in. conk bands 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		
	Concretion; 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 ironstone	6 1	1992 5
	Mudstone, with plants and fish-debris with 3-in. conk at 2001 ft 4 in, 2-in. conk 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



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

6		Name and Number of Shaft or Bore given by Geological Survey:		County <u>Delaware</u>	
		Tithon		6" Quarter Sheet <u>112</u>	
		Tithon		SK 46/63	
Geological Classification	DESCRIPTION	THICKNESS	DEPTH		
into above examined by P.M. & D. 55 WESTPHALIAN A	Sandstone, shaly, with mudstone siltstone partings (60% sandstone), 3-in. wistone bed at 2014/1, very micaceous, some horizontal rootlets, occasional very worm burrows.	1	100	2011	0
	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, darker than above and passing down to black, occasional fish remains.	12	7	2035	4
	Mudstone, black, ramifying pyritization, occasional fish remains, Lingula at 2038/0.	2	8	2038	0
	Siltstone, dark, coarse grained, micaceous, a few sandstone wisps, broken? Lingula in caprolite-like bodies at top.	2	2	2038	2
	Mudstone, silty, dark, 1 1/2-in. wistone band at 2043/6.	2	2	2040	4
	Shale, black, some plant remains, occasional fish scales, Lingula at 2043/10, 2044/0 to 2044/2, occasional pyrite spots and ramifications.	3	4	2043	8
	(Core lost between 2034/4 + 2049/0) Sandstone, grey, hard, granite-like, with rootlets, carbonaceous wisps and micaceous partings.	8	8	2044	4
	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	2049	0
	Siltstone, dark, a few sandy laminations in top 4 ft.	15	5	2050	10
	Mudstone, silty, dark, occasional thin wistone lenses.	9	3	2053	6
	Mudstone, dark, occasional fish remains, 2-in. wistone band at 2084/6.	9	11	2056	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

Contact BGS: ngdc@bgs.ac.uk

P.436263 WY.52881/0480 5,000 9/51 A.R.E.W.LTD. GP.685

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

Tibshelf.

County Derby.

6" Quarter Sheet.

SK46/63

GEOLOGICAL CLASSIFICATION	DESCRIPTION	THICKNESS	DEPTH
WESTPHALIAN A	Sandstone and siltstone interbedded becoming more silty towards base	5 4	2105 8
	Siltstone passing downwards into silty sandstone	6 1 3 9	2112 5
1st /	Mudstone, silty, dark, finely fragmentary with rounded, occasional thin ironstone lenses; bottom half inch silty (granular) and carbonaceous with some fish scales	4 5	2116 10
SECOND	COAL 4 in		
Sub. SHALLEY.	(dirty; 100% recovery)	4	2117 2
	Gamister, very pale with dark mottled, moderate quality	1 3	2118 5
	Sandstone with some siltstone partings, mottled towards top	4 7	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 8	2124 8
	Sandstone, fine-grained	6	2125 2
1st /	COAL 3 in (1 in. recovered)	3	2135 5
	Freestone, hard, silty, brownish grey with carbonaceous parts, becomes softer and muddy in lower half, ironstone nodules in lower 8 in.	2 9	2138 2
Clunch 4'-7"	Shale, silty mudstone, brownish grey passing down to grey	1-10	2140 0
	Siltstone and sandstone interbedded	2 3	2142 3
	Sandstone with many very micaceous laminations, false bedding dips up to 20°	8 0	2142 2
Sandstone 15'-9"	Sandstone, massive, false bedding dips up to 20° whitish-grey, lower 8 in siliceous + well cemented, sharp base	7 9	2158 0
	Shale, dark, slightly silty, a few plant fragments	4	2158 4
	Sandstone, fine grained, slightly micaceous	9	2159 1
BELPERLAUN	COAL 7 in.		
	(dirty; 100% recovery)	7	2159 8



9

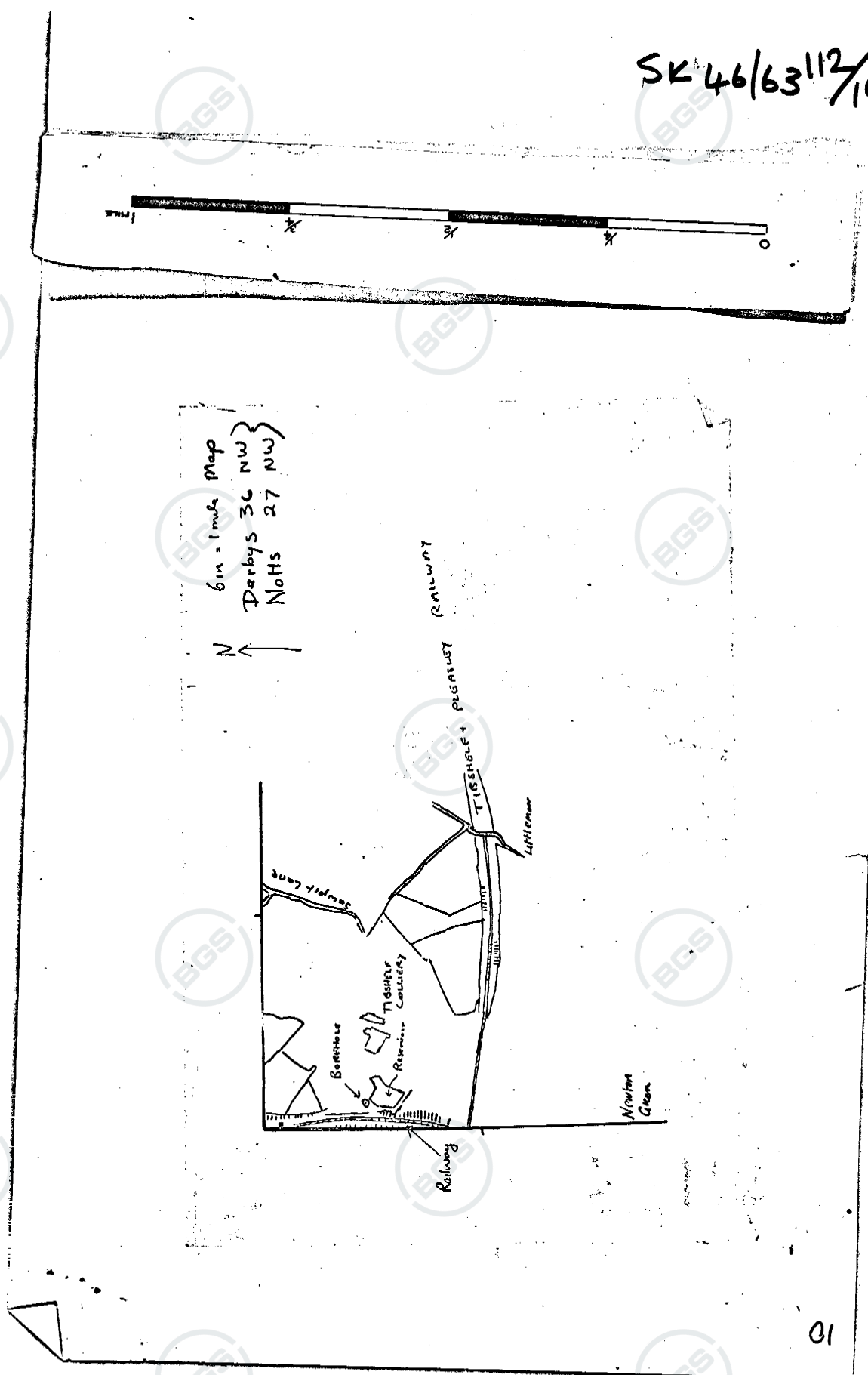
(P45632) WY.22281/0459 5,000 1/51 A.B.E.W.LTD. G.P.655

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



112/

Typings 1 + 6
(+ Cover)

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. 484.9 ft.

Object of Boring. - To determine depth and thickness of the alton 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 Kelburn Coal			1564	0
horon 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

Notes on Horizons

? "Ashgate" and "Muckley" coals. - These horizons are readily correlated exactly with the corresponding ones at Morton Colliery (underground) Borehole; though the are considerably thinner than the Kelburn 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 Kelburn 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 alston above represent a "washout" of an unusual type; although there is no evidence that the Kelburn coal is represented.

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)