

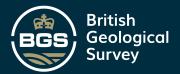
QK 46 SW/7

APPENDIX

Abridged Section of Tibehelf No. 1 Borehole 1954

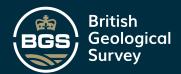
	Thickness Pt. in.		Depth Ft. in.		
Retary "open-hole" boring (no cores)	1165	0	1165	0	
Corred burian					
Mudatone, silty dark grey with irenatone	3	5	1168	5	
Shale, black with coalified plants	0	1	1168	6	
Clunch, black carbonaceous; grey and silty baselly	3 .	5	1171	11	
Siltatone and Sandstone	12	11	1184	10	
Mudatone, silty	1	6	1186	4	
7 *Ashgate* Coal 3 in.	_0_		1186		
Core missing	0	1	1186	8	
Clumoh and clumohy bind	3	8	1190	4	
Sands tone	11	0	1201	4	
Mediatone, silty with ironatone and rectlets	2	5	1,203	9	
Sandstone	9	7	1213	4	
Ho gare	10	. 0	1223	4	
Sandatone and militatone	29	5	1252	9	
Stone-clunck	3	2	1255	11	
Madatone, gray and dark	12	0	1268	4	
Sendatone and miltstone	6	8	1275	0	
Midstone and militatone with ironstone	30	0	1305	0	
Silty mediators with ironstens	6	0	1511	0	
Modernous, destruction finde-debuts	4	8	1315	. 8	
"Michiay" Comel 2 in-					
Goal 6 in.	Q		1316		
Clameh	•	8	1321	0	
Siltatone and sendstone	10	6	1331	6	
Madetone, dark shally	28	6	1360	0	
Moderno with fish-debris, mlickensides,					
and 4-in. "comk" bend at 1371 ft. 2 in.	IJ	6	1373	6	
Shale, black	0	1	1373	7	

/Clunch



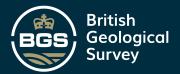
8K 46 Jul /7

	(6)				
	Thickness Pt. in.		Depth Pt. in.		
1/f å.			1373	7	
Clumph and alumby madatons	12	11	1386	6	
Silistone, gray with "manels"	7	6	1394	0	
Modertone, milty with 2-in. ironstone					
at 1395 ft 0 in.	7	8	1401	8	
Moderators, dark shelly	1	•	1402	8	
Glunck	8	4	1411	0	
Modetone and elitatome	4	1	1415	4	
Mulirious shelly	,	2	1484	3	
Clumeh and alumeby siltatome	3	3	1427	6	
Madetone, dark with ironatone	10	7	14,38	1	
Endatone, milty with ironatone and "messeels"	5	7	1443	8	
Madertone, dark shelly; earhoneseous at base	0	71	1444	對	
Cannal 21 in.					
Ent 2 in.	0	<u> </u>	1444	8_	
Clumph and stome-clumph	2	8	1447	4	
Sandstone and siltstone	13	8	1461	0	
Siltstone, with sandy partings	29	7	1490	7	
Siltatome, sandatone and ambatone with plents	23	3	1913	10	
Clamb, sendy	3	*	1517	0	
Sanda tonoy with	3	6	1520	6	
Siltstone, sandy partings at top	27	06	1548	0	
Hudatone, milty	4	0	1552	0	
Maketone, shaly with "messels" and fish-debria	,	0	1561	0	
Midstone, silty	1	•	1562	0	
Siltstone, dark gray with soal streaks, "mussule"		*			
and "fish-inheis"	1	10	1563	10	
Bartaon of Fillman Coal					
Sandstons and ironatons, with fish-frequents					
ent carbonaceum material	0		150	0_	
Sends tome and sd.3 tartons	27	5	1591	5	
Sandstone with numerous conlisied plants					
and coal streeks	60	8	1652	1	



SK 4.6 SW/7

	Thickness Ft. in.		Depth Ft. in.		
B/fd.			1652 1695	1 5	
Sandatone with congloweratic layers	43	4	1657	10	
Mudstone, silty	10	7	1706	C	
Sandstone and siltstone	49	3	1755	3	
Mudstone, silty	29	10	1785	1	
Siltstone, grey	4	0	1789	1	
Ironstone with calcite veining	1	2	1790	3	
Siltstone, grey	6	q	1797	0	
Mudstone, silty: "massels" at 1806 ft 4 in.	38	0	1835	O	
Mudstone, shaly, dark grey	23	0	1858	0	
Mudstone, silty with occasional ironstone	21	O	1879	0	
Mudstone, dark grey	9	0	1888	0	
Mudstone, silty: 1-in. ironstone at base	2	9	1890	9	
Mudstone, shaly with fish-debris, ostracods and					
irenstone	15	3	1906	0	
Mudstone and silty mudstone, pyritous	29	2	1935	2	
Clunch, coaly: fish-debris at top	4	8	1939	10	
Siltstone, hard grey	1	2	1941	0	
Mudstone, silty and shelly	11	9	1952	9	
Mudstone, dark grey with "mussels", 2-in. ironstone					
at 1957 ft 0 in. and 2-in. cank at 1959 ft 0 in.	9	3	1962	o	
Mudstone, silty	10	9	1963	9	
NORTON MARINE BAND					
Mudstone, silty, with fish-debris, irregular					
pyrite nodules and conodonts; then coal at base	1	2	1964	11	
Siltstone, hard dark grey	0	2	1965	1 /	
NORTON COAL					
Coal 7 in.	0	7	1965	8_	
Clunch, sandy 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		



	Co James	of him	2 121	t /	
		Thi Ft	ckness in.	D Ft	epth in.
	B/fd.			1 908	4
Mudstone with cank and ironstone and fish-debri	.s	15	3	2003	7
Shalle, black with irregular pyrite nodules and					
fish-debris		0	11	2004	6
Coal 3 in.		0	3	2004	9
Ganister		1	0	2005	9
Stone clunch, hard light brown		0	7	2006	4
Sandstone and siltstone		16	5	2022	9
Mudstone, dark with ironstone and fish-debris		15	3	2038	0
LINCULA BAND					
Mudstone, black, pyritous, occasional fis	h remai	ns,			
Lingula at 2038/0			2	2038	2
Siltstone, dark, coarse grained, micaceou	ıs, a fe	W			
sandstone wisps,					
broken ? Lingula in coprolite-like bodies	at top	2	2	2 040	4
Mudstone, silty, dark, 12-in. ironstone b	and				
at 2043/6		3	4	2043	8
Shale, black, some plant remains,					
occasional fish scales,					
Lingula at 2043/10, 2044/0 to 2044/2, oc	casiona	1			
pyrite spots and ramifications 4th 2 in			8	2044	4
(Core lost between 2034/4 and 2049/0, 4 ft 8 in		-1	8	2049	0
Sandstone, grey, hard, ganister-like, with root	lets,	(BC			
carbonaceous wisps and micaoeous partings		1	10	2050	10
Sandstone and siltstone .		22	3	2073	6
Mudstone, dark with ironstone; fish-debris at b	ase	11	0	2084	6
ALTON MARINE BAND					
Shale, black with Lingula and other marine foss	ils	3	7	2088	1
ALTON COAL 21 in.					
(Top 7 in. solid core, remainder fragment	ary)	1	9	2089	10
Ganister		1	10	2091	8
				/Sanda	stone



	814	40 5		17	
		Thick	Thickness		pth in.
	B/fd.			Ft. 2091	8
Sanàstone, ganister-like		3	8	2 0 9 5	4
Siltstone and mudstone, pale creamy grey					
with sphaerosiderite		2	1	2097	5
Mudstone, dark, shelly with ironstone		3	11	2101	4
Shale, dark; rare fish-scales LINGULA BAND			10	2102	2
Shale, dark with Lingula and fish remains;					
sandy lens at base			6	2102	8
FIRST SMALLEY COAL 8 in.			-		-
(dirty. 100% recovery)			8	2103	4
Ganister, moderate to poor quality		2	4	2105	8
Sandstone and siltstone		6	9	2112	5
Mudstone, silty, dark, ironstone leases; bottom	n.				
half inch silty (gramular) and carbonaceous	vith				
some fish scales		4	5	2116	10
SECOND SMALLEY COAL 4 in.					
(dirty. 100% recovery)			4	2117	2
Ganister, moderate quality		• 1	3	2118	5
Sandstone		4	7	2123	0
Siltstone with sandstone laminations in top					
6 ft becoming fine-grained downwards; 6-in.	band				
of crowded large mussels at 2124° 4"		11	8	2134	8
Sandstone, fine-grained			6	2135	2
HOLEROOK COAL 3 in. (1	in. reco	vered)	3	2135	5
Clunch		4	7	2140	0
Siltstone and sandstone interlaminated		2	3	2142	3
Sandstone		15	9	2158	0
Shale, dark, slightly silty, a few plant fraga	nents		4	2158	4
S_{0} rdstone, fine grained, slightly micaceous			9	2159	1
BELFERIA ON COAL 7 in.					
(firty. 100/ recovery)			7	2159	8
				/Seate	arth



