

CLUTCH	G=tneti Alip
31413	County, Sheet and Siri)
SECTION OF BOLSOVER COLLIERY, No. 10 Unforground Barehele, (on ill's return airway, west lavel)	1"112/264
PURPOSE drilled from Teep Hard roadway to prove seems dawn to the Throeculanters	(Nat.Grid, Sheet and Gtr.) Attach tracing from a wap or sketch map if possible
E 445380 Syrees with NeB N 370302 Syree Alen 1976	On apy 1 thely
	with site flam
LEVEL AT WHICH bore COMMENCED RELATIVE TO 0.D 1649 ft.	to & S. S. S. S.
DATE OF SINKING OR BORING May - June, 1260	6-10-60

GEOLOGICAL	NATURE OF STRATA	THICKNESS		DEPTH	
CLASSIFICATION		FEET	IN.	FEET	in.
DPPER CARBONIFEROE WESTPHALIAN A	No Cores	12	0	0.	0
Siltstones	grow modely in parts, few santy taxings, occasional			. 12	0
	ripples, worm corrows, strap-plants, occasional "ferns",				
	little micaecenus.				
	. Passage		i I		
Mudstone	silty, grey, none burnows, few strap-plants, vague.				
	laminic, ironstone lenses, a small pyritic				
	lametithrough at 35/0.			34	
Mudstone	grey, light and cark luminae, shaly near base,				1
	incostone lenses 'tracks', Simusites 0 36/0.				
	few mon-marine tomettibranch fragments around 37/6.			1	
	Cymrcharte 6 39/C, darker in basal 0/6	4	6		
0011	ENDOY OLDED			39	Q
COAL	FIRST PIFER: Constete core		6	·· ·· ··	
	Complete core	. t		40	6
Kudstone	blackish, tistric, shaly, coal laminae, Stigmaria,			79	1
	Lycopods				
	, in the second of the second			4.3	i.
COAL	bright, very even lastrac.				
				43	. د
Seit Earth	Siltatone, grey, listric, itimaaria, strap-plants.	, ,	9		
	irregular (ronstone novulestady 6 = 4.76		1	46	0
	Mudatone, blackish, listric, shaly, Lycopods,				
	strap-plants, Stigmaria.				
				46	LO.
COAL	dirty :		5	<u></u>	
COAL	SECCHO FIFER:		8	47	2
Ant	SECURA PIPER:	L		48	IL
Seat Earth	Siltstone, fine, unbedded, listric, Stigmaria, root				
	rotules 5 V0 + 54/0		L		
	Passage			55	Q
liltstone	light grry, rectlets, unbedded		0	60	1
Siltstone	light grey, vague laminze in parts, sandy in parts,		ļ		
o y the tone	rang plant fragments, poorly graded	6	O		
	Passage	#		66	0
Sandstone	fine, light grey, laminated in parts, micaceous,				
	plant debris.				
				70	6
	, a. gr.yn .g				
1.00					



SK4756

SECTION OF BOLSOVER COLLIERY. No. 10 Progenground Borehole.

B/H 15

GEOLOGICAL	NATURE OF STRATA	THICKN	ESS	DEPT	Н
CLASSIFICATION	MATORE OF STRATA	FEET	IN.	FEET	I N
STAHALIAN A					
Silatore	light grey, yours laminae in parts, sandy in parts				
	light grey, vague laminae in parts, sandy in parts conssional plants shreds, loorly graded	7	5		
	Sharp				
Mudatione	grey, dark grey, shaly, Ostracods		3		
	Passage			78	
Cannel	blackish, vitreo,s 78/7 - 80/4, shely				
	elsewhers. Cotrocads in top 0/4, pyritic Anthrocasid				
	0.70/6. fish sping 0 80/0	2	0.		
	Paspage				
Mudstone	dark gray, shaly, occasional Ostracots non-surine				
	l mellibranch fragments	0		an	
	fassage	H	1 1	II.	
Mudstone	vell taminated, light and dark taminae two	l			
	rell Laminated, light and dark laminae two			82	
C1 /	blackish, cannelly, fish remains, Ostracods	0			
Shale	otachish, cannetty, rish rewarms, ustracus	Ж	7	82	
0.113-11-11	Mussel band: fine ferruginous, crowded calcic			J	
Sitistone	Carbonicola				
	Car sunitora			83	
Mudstone	grey, vague laminae, tem fish remains		t		I
necstone	"State townset the transfer			84	
COAL	brights, complete core.				
	o/3 dirt band 0 0/2 us	0	9	H	
	. VI * V • V			85	
Seat Earth	Mudstone, passing into Siltstone in middle third,		1 1)1	1
	greys, listric, unlaminated, Stigmaria, shaly with			Į.	1
	guilielaites neur base, fem irregular irenstone				ļ
	Lenses to masal foot	3	2		
	Sharp, irregular			88	
Siltstone	and fine Sandstone, light and pale grey,			 	
	intertaminated, micaceous, ripples, worm burrows,				
	strap plants, non-marine lamellibranchs (small)				
	9 94/6	7	0		
				95	
Siltstone	grey, many sandy laminae, many "tracks", plant				
	debris planes, few ripples	2	3		
	Fassage			97 .	
Siltstone,	fine, gray, vague laminae few non-marine lamellibranch			 	
	fragments, common worm burrows, few small Anthracosids				
	99/6 - 170/6, occasional ironstone bands and lenses	. 5	0	LOZ	
	Passage			102	
Mudstone	silty, grey, vague laminae, 'tracks', fem non-marine lamellibr nots (some with paired but open valves)	,	6		1
	Passage	•		104	1
Mudstone					I
	Naiadites (except in light and dark Laminae band	III	1		Ĺ
	with Sinusites: 0/3 0 105/0), ironstone lens;				
	Ostracods near base	2	. 6		
	Sharp			L06	
Mudstone	Mossett band:]			
	ferruginous, abundant large calcic Carbonicela	t	9		
		11	ļ	108	ļ
Mudstone	grey, darkish, many large Carbonicola, scattered	{	ļ	!	1
	Ostruceds, few lenticular ironstone bands, few				1
	O/ L layers with crowded mussels.	7 .	3		
	blackish appearant shall and along functions	· · · · · ·		115	1 .
Chal	blackish occasional shell and plant fragments,	H	6	1	-
Shale	aking tak part 1 #hjadall laridadan dan basa basa	L	١ ٠		·
Shalle	abundagt small "bleds", Legidodendron near base	"	1		
Sha te	and the second of the second o			117	ł
Shale					
Shale				11	
Shale.				11	
Shale.					
Shate					1



SK475 B. 18 Nap
SECTION OF BELSOVER COLLIERY. No. to Underground Berebete.

B/H 15

udstone blackish, and COAL interlaminated, Stigmaria, a to irregular pate gritty layer eat Earth Siltmone, fine, blackish Mudstone with chal laminae in top N/2, Stigmaria, many root-rodules: LIT/9 - LIS/6 Sharp irregular fine, off-white, Stigmaria, irregular micaceous planty planes Dudstone silty, dark grey, abundant rootlets, few sandy bands with micaceous planty planes blackish, few Ostracods Passage dark grey, shaly, abundant Carbonicola (large, calcic, tending to concentrate in layers) abundant Ostracods including Geisena arcuata grey, unlaminated, few Carbonicola, dark and shaly near base with fish, public laites near base 2	3 2 - 6 10 9 9 11 11	119 125 127 136 138	5 LL 9 6 6 7
blackish, and COAL interlaminated, Stigmaria, a 1º irregular pale gritty layer 0 eat Earth Siltstone, fine, blackish Mudstone mith coal laminae in top 0/2, Stigmaria, many root-nodules: 117/9 - 118/6. 2 andstene fine, off-white, Stigmaria, irregular micaceous planty planes 0 blackish, few Ostigmaria, irregular micaceous planty planes 5 thale blackish, few Ostracods Eassage ludstone dark grey, shaly, abundant Carbonicola (large, calcic, tending to concentrate in layers) abundant Ostracods including Geisena arcuata 9 ludstone grey, unlaminated, few Carbonicola, dark and shaly near base with fish, quillelmites near base 7 TOPTON and dirt 3/9 COAL 3/0 about 0/8 core lest towards top 6	3 2 - 6 10 9 9 11 11	117 119 119 125 127 136	5 LL 9 6 6 7
blackish, and COAL interlasinated, Stigmaria, a to irregular pate gritty layer eat Earth Siltatome, fine, blackish Mudstome with coal laminae in top U/2, Stigmaria, many root-nodules: LI7/9 - LEE/6 Sharp irregular andstene fine, off-white, Stigmaria, irregular micaceous planty planes D ludstone silty, dark grey, abundant rootlets, few sandy bands with micaceous planty planes 5 L thale blackish, few Ostracods Passage ludstone dark grey, shaly, abundant Carbonicola (large, calcic, terding to concentrate in layers) abundant Ostracods including Geisena arcuata 9 ludstone grey, unlaminated, few Carbonicola, dark and shaly near base with fish, guillelmites near base 7 TOPTON COAL and dirt 3/9 COAL 3/0 about 0/8 core lest towards top. Audstone Stigmaria D Nudstone Stigmaria Audstone Stigmaria D Nudstone Stigmaria D Nudstone Stigmaria D Nudstone Stigmaria D Nudstone Stigmaria	3 2 - 6 10 9 9 11 11	117 119 119 125 127 136	5 LL 9 6 6 7
eat Earth Sittstone, fine, blackish Mudatone with coal Laminae in top D/2, Stigmania, many root-modules: 117/9 - 118/6 Sharp irregular andstone fine, off-white, Stigmania, irregular micaceous planty planes D Sitty, dark grey, abundant rootlets, few sandy bands with micaceous planty planes Sitty, dark grey, abundant Carbonicola (large, calcic, terding to concentrate in layers) abundant Ostraceds including Geisena arcuata 9 Sitty of the Carbonicola, dark and shaly near base with fish, quilielmites near base TUPTON SOAL And dirt 3/9 COAL 3/0 about 0/8 core last towards top.	2	L19 L19 L25 L27 L36 L38	5 LL 9 6 6 7
Silintone, fine, blackish Mudstone with cast laminae in top D/2, Silonaria, many root-ropules: 117/9-118/6 andstene fine, off-white, Silonaria, irregular micaceous planty planes D Udstone silty, dark grey, abundant rootlets, few sandy bands with micaceous planty planes blackish, few Ostracods findle dark grey, shaly, abundant Carbonicola (Large, calcic, tending to concentrate in layers) abundant Ostracods including Geisena arcuata grey, unlaminated, few Carbonicola, dark and shaly near base with fish, guillelmites near base TOPTON and dirt 3/9 COAL 3/0 about 9/8 core last invards top.	2	L19 L19 L25 L27 L36 L38	5 LL 9 6 6 7
Siltatone, fine, blackish Mudatone with cast laminae in top N/2, Stignaria, many root-modules: 117/9 - 118/6 Sharp irregular Sharp irregular andstene fine, off-white, Stignaria, irregular micaceous planty planes Udstone silty, dark grey, abundant rootlets, few sandy bands with micaceous planty planes blackish, few Ostracods Fassage dark grey, shaly, abundant Carbonicela (large, calcic, tending to concentrate in layers) abundant Ostracods including Geisena arcuata prey, unlaminated, few Carbonicela, dark and shaly near base with fish, quillelmites near base TOPTON TOP	2	119 119 125 127 136	9 6
Mudstone with coal laminae in top N/2, Sitomaria, anny root-modules: 117/9 - 118/6 2 Sharp irregular Indicatione fine, off-white, Stigmaria, Irregular micaceous planty planes Silty, dark grey, abundant rootlets, few sandy bands with dicaceous planty planes 5 Indicatione blackish, few Ostracods Passage dark grey, shaly, abundant Carbonicola (large, calcic, tending to concentrate in layers) abundant Ostracods including Geisena arcuata 9 Sudstone grey, unlaminated, few Carbonicola, dark and shaly near base with fish, guillelmites near base 2 TOPTON and dirt 3/9 COAL 3/0 about 9/8 core last inwards top 6 Mudstone grey undares cross titered Stigmaria 0	2	119 125 127 136 138	9 6
andstene fine, off-white, Stigmaria, irregular micaceous planty planes bludstone silty, dark grey, abundant roetlets, few sandy bands with micaceous planty planes blackish, few Ostracods Passage dark grey, shaly, abundant Carbonicola (large, calcic, tending to concentrate in layers) abundant Ostracods including Geisena arcuata grey, unlaminated, few Carbonicola, dark and shaly near base with fish, quillelmites near base TOPTON TOPTON	2	119 125 127 136 138	9 6
Andstene fine, off-white, Stigmaria, irregular micaceous planty planes D. Silty, dark grey, abundant roetlets, few sandy bands with micaceous planty planes 5 Sharp irregular micaceous D. Silty, dark grey, abundant roetlets, few sandy bands with micaceous planty planes 5 Sharp irregular micaceous D. Silty, dark grey, abundant roetlets, few sandy bands with micaceous planty planes 5 Landstone Passage Select Content of the Carbonicola (large, calcic, terding to concentrate in layers) abundant Ostraceds including Geisena arcuata 9 Sudstone Grey, unlaminated, few Carbonicola, dark and shaly near base with fish, quillelmites near base 2 TOPTON 2004 3/9 COAL 3/0 about 9/8 core last inwards top 6	9	119 125 127 136 138	6.
planty planes silty, dark grey, abundant roetlets, few sandy bands with micaceous planty planes blackish, few Ostracods Passage ludstone dark grey, shaly, abundant Carbonicola (large, calcic, tending to concentrate in layers) abundant Ostracods including Geisena arcuata grey, unlaminated, few Carbonicola, dark and shaly near base with fish, quilielmites near base TOPTON COAL 3/0 about 9/8 core last inwards top. Audichees greyw first Streamia	9	119 125 127 136 138	6
sitty, dark grey, abundant roetlets, few sandy bands with wicaceous planty planes blackish, few Ostracods Passage dark grey, shaly, abundant Carbonicola (large, calcic, tending to concentrate in layers) abundant Ostracods including Geisena arcuata grey, unlaminated, few Carbonicola, dark and shaly near base with fish, quitielmites near base TOPTON 20AL 3/9 COAL 3/	9 0 1	119 125 127 136 138	6.
sitty, dark grey, abundant roetlets, few sandy bands with micaceous planty planes 5 1 shale blackish, few Ostracods Passage shale dark grey, shaly, abundant Carbonicola (large, calcic, tending to concentrate in layers) abundant Ostracods including Geisena arcuata 9 shale grey, unlaminated, few Carbonicola, dark and shaly near base with fish, guillelmites near base 2 shale TOPTON and dirt 3/9 COAL 3/0 about 0/8 core last towards top 6	9 0 1	125 127 136 138	9 6 6
hale blackish, few Ostracods Passage ludstone dark grey, shaly, abundant Carbonicola (large, calcic, terding to concentrate in layers) abundant Ostracods including Geisena arcuata grey, unlaminated, few Carbonicola, dark and shaly near base with fish, quillelmites near base TOPTON COAL 3/9 COAL 3/0 about 0/8 core last towards top Mudeless greys (fight Stigmants)	9 0	125 127 136 138	6 6
terding to concentrate in layers) abundant Oark and shaly near base with fish, guillelmites near base TOPTON	9 0	125 127 136 138	6 6
blackish, few Ostracods Passage ludstone dark grey, shaly, abundant Carbonicola (large, calcic, terding to concentrate in layers) abundant Ostracods including Geisena arcuata grey, unlaminated, few Carbonicola, dark and shaly near base with fish, quillelmites near base TOPTON COAL 3/0 about 0/8 core last towards top Mudeless greamy crow licturet Stromaria	9 .0 .0	136 138 138	6.
Passage	9	136 138	
derk grey, shaly, abundant Carbonicola (large, calcic, tending to concentrate in layers) abundant Ostracods including Geisena arcuata grey, unlaminated, few Carbonicola, dark and shaly near base with fish, guillelmites near base TOPTON COAL 3/0 about 0/8 core last towards top.	9	136 138	7
tending to concentrate in layers) abundant Datraceds including Geisena arcuata 9 Nudstone grey, unlaminated, few Carbonicola, dark and shaly near base with fish, guillelmites near base 2 TOPTON TOPTON COAL 3/9 COAL 3/0 about 0/8 core last towards top.	9	136 138	7
including Geisena arcuata grey, unlaminated, few Carbonicola, dark and shaly near base with fish, guillelmites near base TOPTON TOPTON TOPTON COAL 3/0 about 9/8 core last towards top.	9	136 138	7
TOPTON COAL 3/0 about 9/8 core last towards top.	9	138 138	7
orey, unlaminated, few Carbonicola, dark and shaly near base with fish, quilielmites near base	9	L38	7
near base with fish, Quitielmites near base 2 TOPTON COAL 3/9 COAL 3/0 about 9/8 core last towards top. 6	9	138 145	7
TOPTON and dirt 3/9 COAL 3/0 about 9/8 core last towards top. 6 Mudeless cross lictuist Streamia	9	LA5	
TOPTON and dirt 3/9 COAL 3/0 about 0/8 core last towards top. 6	9	145	
and dirt 3/9 COAL 3/0 about 0/9 core last towards top 6	9	145	
coat 3/0 about 0/9 core test towards top 6	9	L45	
about 0/9 core last ionards top 6	9	LL 5	
Mudelane energy cray lictricit Stigmania 0	11	LL 5	
Mudelana crow light Strong	. 11	l	
	li	I	
[T		
fine marrive off-white creamy near ton greenish			
ir nart abundant rootlets	9		
Interhedded		J 151	U
Ciltatone coarse light grey mainly massive but sandy with	,		
lasinge in few parts, scattered mica, many strap-plants,			
Calamites8	.0		
Passage		L 69	U
occasional ripoles			
Interbedded		Loz	
Sandstone, fine, off-white, very micaceous planty planes, more			
massive basally	U	164	^
Sharp		rop	
Sittatone, light grey, unlaminated, worm burrows, ferruainous		1	
patches around oblique bedded plant stems, Fine		1	
Sandstone layers: in top foot and basal 0/6, Pelecypodichnus in basal 0/6	6	1	
Pelecypodichnus in basal 0/6	👊	169	6
Sharp Candstone fine, massive, greenish white, well cemented (Cank).	6	1	"
Candstone fine, massive, greenish white, well cemented (Uank).		170	
Silistone fine, grey, 'tracks' vague laminae, a small non-marine			
Lamettiiranch @ 17276, muddy and relt Laminated near 41,4.			
buse			
		1.74	[
CCAL THREFOUAPTERS:			
hainly forgonated page top and at hasa	9	ļ	
Sent Forth () Siltstone, dark grey, strap plants, rootlets,			9
Seat Forth 1) Siltstone, dark grey, strap plants, rootlets,			
graecoeo	•	177	7
			arrage array of
2) Sandstone, tight gray, vague laminae, plant		1	
frigments, recibit,	, .	170	
	.,,		
		#	



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GEOLOGICAL CLASSIFICATION	OXER COLLIERY. No. 10 Underground Barchole.	THICKN	ESS	DEP FEET
WESTPHALIAN A	3) Silistane, sam'y, voque lacture, recitete, small innestone actutes	0	. 5	
Siltstone (fire, dark gray, rocitets, untacinites,		6.	179
Seat Earth	1) modstone, listric, routlets, croady gray	a	6	
	.mano fermulua		6	121
°1 Ltciones	and fine Landators, thickly intertexibet, terinae is parts, reviteto med. top, work burrows, few bicuceous, plinty planes	7	. 0	1.02
Sandstone	fine, off-white, mainly tough with coloute voin,	4	6	18.9
			ļ	(54
Bo	RCTTCM OF HOLE			
S. May 1981				
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				Harmon Contract







