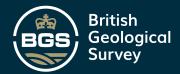


This copy received 28-2-86 ad added to

6-inch Map 8/H Regd. No Form P.70 (Series 610) 20 (County, Sheet and Qtr.) SECTION OF BOLSOVER NO. 11 U.G. DOWNBORK SK 46 NW PURPOSE . To prove the seams down to the Threequarters (Nat. Grid, Sheet and Qtr.) Attach tracing from a map or sketch map if possible National Co-ordinates EXACT SITE E 444541 N 369652 LEVEL AT WHICH born COMMENCED RELATIVE TO 0.8. 8566-1 ft. (Deep Hard Seam) TATE OF SINKING OR BORING March - July 1967 SINKER OR BORER North Derbys. Area Boring Team Cores examined by P.G. Strauss, N.C.B. Geologist

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA		THICKNESS		DEPTH	
CLASSIFICATION		FEET	in.	FEET	IN.	
					γ	
					+ · · · · ·	
				10		
Sandstone	-decoming planer lend control land land		-		, , , . <u>y</u> .	
Dame Core	aicaceous planes load casts/slurried layer at top, top and bottom 0/2 silty bands	1	0			
	ge sob! sobjette possont of same perins		V. :	11	0	
					† · Y	
Siltatona	laminated, fine sandy laminae and bands		1]		
	11/10-12/1, fining downwards, thin ironstone		† · · ·			
	band at base	2	4			
				. 13	4	
			l			
Siltstone	fine, muddy, barren	1.	Q			
				14	4	
Siltstone	and sandatone interlaninated, micaceous					
	planty planes, wavy-bedded	0	8	1		
				15	0	
Siltstone	massive, small plant fragments with 0/1		_	ļ		
	ironatone band at 15/4	, 1	8			
				16	8	
			-	ĺ		
Siltatone	and sandstone laminae and bands, occasional diastems, micaceous planty planes large					
	strap plants	2	2			
	outeh branca	•	-	18	10	
Sandatone	mainly massive, homogenous, brownish, well		,		i	
D=:MD VO:M	cemented, occasional coalified planty layers					
	false bedded units below 21/8	3.	10			
				22	8	
Siltstone	laminated, thin sandy layers, occasional				6	
	worm burrows, strap plants and rare leaves,					
	ferruginous at base	3	1 1	\		
				25	9	
Sandstone	cross-bedded units, micaceous planes, silty					
	bands with worm burrows and plants below	_	ارا			
	26/8	ı	6			
				27	3	
Siltatone	we must we long the state along and and			1	•	
DAT OF COIRS	vaguely laminated, fine strap plants and worm burrows to 30/0, cross-bedded sandy					
	layers 30/0-30/9, mainly barren and fine					
	below ferruginous bands below 34/2	13.	ıı			
	sharp	٠,5	***	41		
	· · · · · · · · · · · · · · · · · · ·		t	4-L	, <u>-</u>	



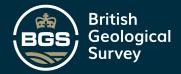
	Form P.71 (Series 610)			6-Inch Map		
(BC	SECTION OF BOLS	SK 46 NW/16				
	GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	THICKNESS		DEPTH	
	Mudstone	slightly shaly, occasional ferruginous patches	1	3 3	41 42	2 5
	*Mudstone	shaly, ironstone nodules	1	4	43	9
(*COAL	complete (Drillers thickness 2/1)	2	o	45	9
	*Seatearth	mudstone, silty, occasional listric surface and bright coal streaks	o	5	46	2
VIRST /	Bat	with 0/1 COAL at about 48/7	3	I	49	3
PIPER \	Seatearth	siltstone, rootlets	0	9	50	0
	*Siltstone	muddy, abundant plants, several ironstone nodules	o	5	50	5
	*COAL	solid cores and fragments	3	o	53	5
	*Seatearth	mudstone, silty, top 0/04 highly carbonaced	us O	7	54	0
	Seatearth	siltstone coarse rootlets, (fragmented to 55/0) root-nodules, strong	2	7	56	7
	Siltstone	and sandstone interlaminated, rootlets, root notules	3	9	60	4
	Sandstone	micaceous planes, cross-bedded units	1	5	61	ğ
	Siltstons	occasionally micaceous and some small planty debris, cross-bedded sandy units below 63/6	4	9	66	. 6
	Sandstone	micaceous planes, ferruginous specks	1	4	67	10
	Siltstone	fine in parts, small plant fragments including Neuropteris and also micaceous in parts	2	2	70	0
	Siltstone	coarse and fine sandstone layers, micaceous, small plant debris sharp	2	10	72	10
	Siltstone	massive, small plant fragments, ferruginous at top	0	8	73	6
	Sandstone	abundant plant fragments	1	2	74	8
	Siltstone	coarse and sandstone medium , layers and laminae, micaceous, ferruginous specks in sandstone	6	σ	80	8
	Siltstone	mainly fine to medium, massive, small strap plants, sandy with micaceous planty planes 86/10-87/2	7	6	88	
	Mudstone	occasional pyritised plants c.	O	2	88	1 4
	Not	examined	0	4	88	
ECOND	*COAL	$(0/3 \text{ not seen, cannel } 0/3, \text{ coal } 1/0\frac{1}{2})$	1	62	90	; 2
PIPER	*Siltstone	muddy, abundant non-marine lamellibranch, several rootlets	Ö	5	90	: 7
	5					



Series 610)	DISCUSED NO. 11 II C. DOSTRODS		8-inch Mep			
SECTION OF	OLSOVER NO. 11 U.G. DOWNBORE		SK 46 NW/16			
GEOLOGICAL.	NATURE OF STRATA	THIC	KNESS	DEPTH		
CLASSIFICATION	NATURE OF STRATA	FEET	IN.	-	Ť	
*COAL	the manager of the state of the			90		
7-1-		0	6	91		
*Seatearth	mudstone, many listric surfaces	ļ <u>, .</u>	_,,			
	34112068		7½	91	- -	
Mudstone	shaly, faintly carbonaceous in parts, abundant plants including Calamites	1	6			
Siltstone	massive, ferruginous at top, abundant			93		
	plants	0	6			
				93		
Sandstone	massive, well cemented, ferruginous in parts	0			. "	
	• • • • • • • • • • • • • • • • • • •		- 6	94		
Siltstone	me in ly company and an alternative and alternative			-:		
	mainly coarse and sandstone fine, layers and laminae, rare large strap plants, but			l		
	abundant small plant debris, irregular				İ	
	ferruginous patches, micaceous in parts, finer in parts towards base		1,,			
		<i>I</i>	11	102	1	
Siltstone	mainly fine to medium several ferruginous bands, strap plants to 104/0, sandy layers					
	106/5 to 107/0, large strap plant at 108/2	7	0	109		
Siltstone	0.					
biltstons	very fine, muddy, barren, laminated, several thick irony bands, wormy in parts	3	2			
		ر.	3	112		
Mudstone	shaly, single non-marine lamellibranch at 113/6. abundant ostracods at 114/0 decreasing lownwards, abundant non-marine lamellibranch below 114/5, slightly carbonaceous layer 114/7-114/9, calcareous abundant large thick shelled non-marine lamellibranchs below, with several irony patches and bands and several more alter-					
	nating carbonaceous layers (core broken in parts)	3	10	116		
				116		
ronstone	band	Ö	9	117	1	
iudstone	shaly in parts, rare ostracods, occasional non-marine lamellibranch, abundant ferruginous bands and some shelly ironstone (core broken above 122/8)	6	4	123	•	
5.a_4_				ید		
fud s to ne	dark, abundant ostracods, large fish scale, abundant non-marine lamellibranch	o	4			
		. "		123		
udstone	carbonaceous, slightly shaly, homogenous	1	21			
-	Shoundanti e france Arresten e soccare	1	21/2	124	1	
OAL	bright		_ :	• •	_	
	VI 1811	0.	3	125		



6-Inch Map B/H Form P.71 (Series 610) BOLSOVER NO. 11 U.G. DOWNBORE SECTION OF SK 46 NW THICKNESS GEOLOGICAL CLASSIFICATION NATURE OF STRATA FEET IN. 11/2 125 immature, siltstone, rootlets, carbonaceous to 126/3, root nodules below Seatearth $5\frac{1}{2}$ 7 132 rootlets at top, ironstone band 132/9-132/11, Mudstone dark, carbonaceous in parts, large non-marine lamellibranch, pyritised towards top, many shelly ironstone bands, also rare thin-shelled non-marine lamellibranchs, abundant ostracods, rare strap plants, rare 4 localised listric surfaces 11 (drillers depth) 144 shaly, friable, barren (bottom 0/3 examined at Laboratory) Eudstone 1 6 146 shaly, dark grey, fish and non-marine lamellibranch fragments, ostracods, small *Mudstone Ö 21 phosphatic nodules 146 72 (solid cores and fragments) 2 0 *COAL 148 75 with two thin coal bands (Drillers thickness 112 *Dirt 0 TUPTON 1/0) 149 8 mainly solid cores fragments in top 0/6 *COAL and broken in bottom 0/6 3 10 153 6 siltstone, muddy Ö 7 *Seatearth 154 1 siltstone fine, muddy, brown, highly listric Seatearth 1 7 rootlets 3 155 Seatearth siltstone, homogenous, roctlets, root nodules below 156/11 3 1 158 9 massive, rootlets, abundant irony nodules Siltstone and bands and strap plants, associated with sandstone in parts, ironstone band 161/4 to base 3 2 161 11 Siltstone coarse and fine sandstone, finely interlaminated, abundant worm burrows, 0/3 ironstone band at base 2 1 Siltstone coarse and sandstone fine, layers and 1 6 laminae, ripples, worm burrows 6 165 massive, well cemented, cross-bedded Sandstone at top micaceous planty planes load casts/ slurried base 165 . 10



6-inch #as B/H Form P.71 (Series 610) SECTION OF BOLSOVER NO. 11 U.G. DOWNBORE SK 46 NW THICKNESS DEPTH GEOLOGICAL CLASSIFICATION NATURE OF STRATA FEET FEET IN. 166 10 Siltstone coarse, massive, ferruginous, abundant small strap plants 1 4 168 2 . r and page and an arrange and are arranged are arranged and are arranged are arranged are arranged and are arranged are arranged are arranged and are arranged are arr massive, homogenous, micaceous planes 4 Sandatone 6 169 coarse, massive, sandstone band 171/0-171/2 Siltstone with strap plants at top 1 8 2 171 coarm and sandstone fine, layers and laminae Siltstone micaceous planes and occasionally with plants, ripoled, predominantly samistone 181/7-181/9; 173/11-175/4; abundant strap plants 175/4-176/7 5 176 7___ massive, fining downwards, barren, ironstone band and nodules 179/7-178/0, very fine and muddy below and wormy, ironstone band 181/4-181/6; less muddy and fine below. Siltatone 6 0 Ironstone lens at 182/4 7 182 *Siltstone 0 7 muddy, dark grey 2 183 THREE-QUARTERS *COAL solid core, top and bottom 0/4 broken 2 11 1 186 coarse, occasional coal streaks ٥ *Siltstone 41/2 186 51/2 0 6 *Siltstone and sandstone interlaminated 186 $11\frac{1}{2}$ coarse, micaceous planes with coaly streaks 0 2 *Sandstone 187 12 0 5 1/2 Samistone and siltstone, interlaminated 187 7 Base of borehole These cores have been examined at the South Notts. Extended Services 2/5 55 Laboratory, Eastwood. 4.7 0.2 1-3 5 - 7



