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6	3.1 DEC 1974	6 - I N ON	MAP	9/H RI	ED. No.
	21-000 1974				
	ide Surface Borehole			1	
	···· 1	County, Sheet	and Qtr	\cdot	
near .	Bolsover, Derbyshire				
Purpose To prove	the 1st and 2nd Waterloo Coal Seams	SK 47 (Nat. Grid, Shee		79	38
Fract Site N.G. C		Attach tracing			
,		sketch map if	possible	i	
	N. 372871 metres				
	near Bolsover Derbyshire				
d ei Date of sinking or	boring 9th Nov., 1973 - 10th Feb., 1974 oraky Ltd., (W. Mcdonald)				
Cores examined	by P.K. Boam, Mine Geologist	*D*	iete es s	ppropriete	
GEOLOGICAL			THICKNESS		тн
CLASSIFICATION	NATURE OF STRATA	m or 1t*	cm or in	morft*	cm or in
OAL MEASURES	Interpretation of the open hole to 950 ft				
		1			
	from geophysical logs.				
	(Prominent Sandstone and coals only)	40		10	_
	(Prominent Sandstone and coals only) Sandstone	10	o	10	0
	(Prominent Sandstone and coals only) Sandstone Sandstone	10	0	68	0
	(Prominent Sandstone and coals only) Sandstone Sandstone Coal, dirty	10	0	68 79	0
	(Prominent Sandstone and coals only) Sandstone Sandstone Coal, dirty Sandstone	10	0	68 79 83	0 0 0
	(Prominent Sandstone and coals only) Sandstone Sandstone Coal, dirty Sandstone ? Coal, dirty, thin	10	0	68 79	0
OT OUNTE	(Prominent Sandstone and coals only) Sandstone Sandstone Coal, dirty Sandstone ? Coal, dirty, thin Sandstone	10	0 0 0	68 79 83 107	0 0 0
CLOWNE	(Prominent Sandstone and coals only) Sandstone Sandstone Coal, dirty Sandstone ? Coal, dirty, thin Sandstone Coal	10 2 2 2 	0 0	68 79 83 107 115	0 0 0 0
CLOWNE	(Prominent Sandstone and coals only) Sandstone Sandstone Coal, dirty Sandstone ? Coal, dirty, thin Sandstone Coal Sandstone	10 2 2 2 	0 0 0 - 0 - 0	68 79 83 107 115 182	0 0 0 0 0
CLOWNE	(Prominent Sandstone and coals only) Sandstone Sandstone Coal, dirty Sandstone ? Coal, dirty, thin Sandstone Coal Sandstone Sandstone with siltstone	10 2 2 2 3 4 4	0 0 0 0 0 6 0	68 79 83 107 115 182 193	0 0 0 0 0 6
CLOWNE	(Prominent Sandstone and coals only) Sandstone Sandstone Coal, dirty Sandstone Coal, dirty, thin Sandstone Coal Sandstone Sandstone Sandstone Sandstone Coal	10 2 2 2 3 4 4 5	0 0 0 0 0 6 0	68 79 83 107 115 182 193 215	0 0 0 0 0 6 0
CLOWNE	(Prominent Sandstone and coals only) Sandstone Sandstone Coal, dirty Sandstone ? Coal, dirty, thin Sandstone Coal Sandstone Sandstone Sandstone with siltstone Coal Sandstone with siltstone	10 2 2 2 3 4 4 5	0 0 0 0 0 6 0 0	68 79 83 107 115 182 193 215 241	0 0 0 0 0 6
<u>CLOWNE</u>	(Prominent Sandstone and coals only) Sandstone Sandstone Coal, dirty Sandstone ? Coal, dirty, thin Sandstone Coal Sandstone Sandstone Sandstone with siltstone Coal Sandstone with siltstone ? coal and dirt	10 2 2 3 4 4 5 1	0 0 0 0 6 0 6	68 79 83 107 115 182 193 215 241 281 295	0 0 0 0 0 6 0
<u>CLOWNE</u>	(Prominent Sandstone and coals only) Sandstone Sandstone Coal, dirty Sandstone ? Coal, dirty, thin Sandstone Coal Sandstone Sandstone Sandstone with siltstone Coal Sandstone with siltstone	10 2 2 3 4 4 5 1	0 0 0 0 6 0 0 6	68 79 83 107 115 182 193 215 241 281	0 0 0 0 6 0 0

Sandstone with siltstone

Sandstone with some siltstone

Sandstone with more siltstone

Coal and dirt thin

? coal, dirty, thin

Cores from 950 feet.

Sands tone

Sandstone

Sandstone Coal, dirty

Sandstone

Sands tone

Sands tone

Sands tone

Coal

Coal

Coal

Coal

LOW BRIGHT

HIGH HAZLES

?SECOND ST.JOHN'S

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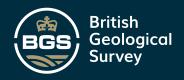
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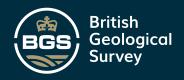
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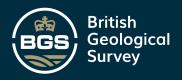
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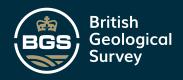
FORM P 71 _	Sumuspana and 1924	8-IN	CH MAP		B/H	
ENIES 680 "	COMPERCIAL ME CONFIDENCE	SK	47	\$E		
ection of	Woodside Surface Borehole					
CPO. 0.5: 5::			ete as appr CKNESS	,	PTH	
GEOLOGICAL CLASSIFICATION	NATURE OF STRATA		* cm ar in*		cm or in*	
	Start of cores			950	0	
Siltstone	fine, laminated, muddy; abundant comminuted		 		-	
	plant remains, some coaly; numerous oblique		 	ļ ——	 	
	and vertical crinkled breaks	2	0			
	passage			952	0	
Mudstone	dark, laminated; locally iron-rich;				 	
	abundantly wormy, single non-marine lamell;	i			 	
	branch impression at 57/2, rare plant debri					
	on bedding planes; numerous oblique crinkle					
	breaks, many infilled with fragmented mud-					
	stone	15	12			
		-		967	13	
D 114 DD 004				 	 	
P HARD GOAF :	complete core		32			
	1. Coal and dirt fragmented and compacted;			ļ	4	
	mostly bright and dull coal, clayey and	<u> </u>			 	
	soft in parts; sharp 2-8)			ļ	_	
	2. Coal, canneloid 0-6 cylinders		_ <u>_</u>	<u> </u>	<u> </u>	
	3. Coal, bright 0-11)		<u> </u>	 		
	4-1			-	+	
	Geophysical logs indicate pore-space water			 	+	
	in lower part	4		074	101	
				971	123	
Seat Earth	Madatono donis master durante a 3 7	 	+ 51			
Sear arth	Mudstone dark, rooty, ironstone nodules	- º -	93	070	1-	
	passage		<u> </u>	972	<u> </u>	
Seat Earth	Siltstone dark; rooty; ironstone nodules;	-	+			
COULD HELLOH	occasional plants including Neuropteris.	 -	+	 	 -	
	Alethopteris. Calamites	4	7	-		
	passage	+ 4-	1	976	7	
	pagaaka			310	+	
Siltstone	fine to medium with rare thin sandstone fin	Α			 	
40 00 tto	laminae: abundant plants including Neuropte		150	-		
	Alethopteris, Calamites: muddy 80/4 - 83/2:		10			
	sharp		10	983	5	
	MAKAK			1		
Siltstone	fine, laminated, with rare thin disconnects	d				
	non-erosive lenticular sandstone ripple				1	
	marks: plant debris along bedding planes.					
	locally abundant	3	0			
	sharp			986	5	
Muds tone	dark laminated, ironstone bands and small					
	ironstone nodules; small thin shelled					
	non-marine lamellibranchs, some with both					
	valves, below 96/4		1			
	core attached			997	6	
					 	
00AT A377 5				<u> </u>		
COAL AND DIE	Cannel 0-2 complete				 	
COAL AND DIE				1	1	
COAL AND DIE	Dirt carbonaceous 0-2 solid					
COAL AND DIE	Dirt carbonaceous 0-2 solid Coal, bright 0-2 core					
COAL AND DIE	Dirt carbonaceous 0-2)solid Coal, bright 0-2)core 0-6	0	6	000		
COAL AND DIE	Dirt carbonaceous 0-2 solid Coal, bright 0-2 core	0	6	998	0	



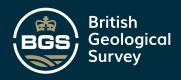
CUMMERCIAL IN CUNHIDENCE 8-INCH MAP FORM P 71 SERIES 680" , i974 Woodside Surface Borehole Section of *Delete as appropriate THICKNESS DEPTH GEOLOGICAL CLASSIFICATION NATURE OF STRATA m or ft + cm or in+ m or ft* cm or in* 998 0 Seat Earth Siltstone medium, sandy; connected lenticula: ripple marks, numerous pouches and contorted bedding with much root disturbance; Stigmaria; no mine-water staining 1001 passage 1 Siltstone fine and sandstone fine; connected lenticular ripple marks and sets. small sandstone fine load casts; micaceous planty planes and comminuted plant debris along bedding; no mine-water staining 6 1003 sharp Sandstone fine with rare discontinuous siltstone fine laminae small sandstone pouches at 05/2; gas heave structure at 04/0; no mine-water 2 5 staining 1006 0 sharp Siltstone fine and sandstone fine: variously inclined layers and laminae; numerous diastems, ripple drift and poorly defined "train" drift; micaceous planty planes and coaly plant debris along bedding; local iron-rich patches; no 2 mine-water staining 1008 sharp fine with rare disconnected lenticular Siltstone sandstone ripple marks; micaceous planty planes and coaly planty planes 1009 3 sharp fine and sandstone fine; variously inclined Siltstone layers, "train" drift and ripple drift, Ó micaceous planty planes 1010 0 Siltstone fine laminated, thin rare sandstone fine laminae: vaguely wormy with rare tracks: 10 no mine-water staining 10 1011 0 7 no mine water staining Tronstone: 1012 sharp fine. locally muddy water connected non-erosive Siltstone sandstone fine ripple marks and rare sets: iron-rich layers up to 0/2 thick: small sandstone fine load casts at 21/11, siltstone medium slurried layer 17/4 to 17/8. rare micaceous planty planes and plant debris on bedding planes, rare small "strap" plants: 11 10 no mine-water staining 1023 4 passage



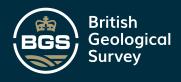
, <u>.</u> .	3 1 1.0 1974						
FORM P 71 ,	OMMEN		8-INCH MAP B/H				
SERIES 680	TACIAL IN COMP	SK	47	SE	131		
Section of	COMMERCIAL IN CONFIDENCE Woodside Surface Borehole	N.					
T			e as appr				
GEOLOGICAL CLASSIFICATION	NATURE OF STRATA		CM OF IN	-	PTH cm or in		
CEASSIFICATION		m or tt-	Cm or in-	·	+		
		 	 	1023	 4		
- Mudstone	dark, laminated, listric; abundantly wormy,			 			
11440 00110	guilielmites, Naiadites, some with attached		 	 			
	Spirorbis below 26/2, dying out below 28/9	9	3	<u> </u>	<u> </u>		
	passage			1032	7		
				1			
Mudstone	dark fissile; abundant Naiadites and Anthroco	sia					
	with Spirorbis, rare ostracods	0	3				
	attached	<u> </u>		1032	10		
		-			<u> </u>		
NSIL (Upper Les		<u> </u>	7	4.055	+		
	attached			1033	<u> </u>		
Seat Earth	Mudetone green lighting mostare described	+		h	+		
Mean Parin	Mudstone grey, listric, rooty; ironstone nodules.	2	5	 	+		
	110 44 100 3	-	1	1035	10		
		<u> </u>		^{eco}	1.5		
Seat Earth	Siltstone grey rooty; ironstone nodules,	<u> </u>	 	†			
	Stigmaria 40/2, rare ferm leaves below 41/0			1			
	with "strap" plants	8	2				
	passage			1044	0		
Mudstone	slightly silty; vitrain lens at 44/10;						
	abundant plant debris including fern leaves	ļ	<u> </u>	ļ	ļ		
	and "strap" plants	1	3				
		···-	 	1045	3		
	CORE BOXED 1045/3 - 1047/101	<u> </u>		 			
	CORR BOXED 1045/3 - 1047/105	<u> </u>					
Mudstone.	light grey, several coaly plant remains	10	4	 	+		
Huas cone,	Tight grey, Several Coary plant lemains	 ` 	4	1045	7		
	The state of the s	 		1.042	+-		
BAT	interleaved mudstone and bright coal	0	1	1			
	detached, fitting	1		1045	8		
			6				
NSIL (L.L.)	Coal bright $1/0\frac{1}{2}$)solid cores						
	Coal, dirty 0/87)fitting			1			
	1/9		ļ	4			
	Recovery 100%, Dip 3°	1 1	<u> </u>	1015	 		
	detached fitting	 .	 	1047	<u> 5</u>		
BAT	Pinoly intonlogged midatana and hadeht		 	-			
DAI	finely interleaved mudstone and bright coal	10	2	 	+		
	coat	 ~		1047	7		
			1	1-77	+-		
Seat Earth,	mudstone brownish-grey many coalified plant						
	remains	0	31/2				
		<u> </u>		1047	101		
				ļ	-		
Seat Earth	Siltstone fine, muddy, rooty; abundant iron-	 	1	.			
	stone nodules	4	101	1	+		
	sharp	1		1052	9		
			6	1	+		
		-		1			
×		· · · /			1		
		†		†	 		
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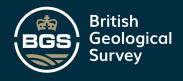
Section of Woodside Surface Borehole GEOLOGICAL CLASSIFICATION Siltstone Fine with disconnected thin sandstone fine lenses; root disturbed O 5 Mudstone dark laminated; occasional rootlets 53/2 to 55/6. wormy below 59/0 with guilielmites. basal 0/2 fissile attached SU UT SE 36 *Delete as appropriate THICKNESS DEPTH m or (10 cm or in m or (10 cm or) 1052 9 1053 2	, , , , , , , , , , , , , , , , , , ,		8 - 1 N CH	MAP		B/H
Siltstone Section of Moodside Surface Borshole	ORM P 71 ERIES 580		12 4	Si	1/2	36
Siltstone Fine with disconnected thin sandstone fine lenses; root disturbed Siltstone Fine with disconnected thin sandstone fine lenses; root disturbed O 5 1053 2 Mudetone dark laminated; occasional rootlets 53/2 to 55/6, wormy below 59/0 with guiltelmites, basal 0/2 fissile Part (0/2) solid Bright coal 0/5 complete Dirt (0/2) solid Bright coal 0/1 core O 7 1063 0 Seat Barth Mudetone laminated, coaly with rootlets 1 6 Seat Barth Siltstone laminated, coaly with rootlets 1 6 Siltstone fine, sandy; Stigmaria, micaceous planty planes; vague ripple drift; passage Siltstone fine with sandstone fine; gently inclined lavers and laminate; ripple drift; disatems, small scour and fill pockets; micaceous planty planes; basal 0/6 fron-righ planty planes; basal 0/6 fron-righ passage Sandstone fine, well cemented, massive; rare coaly pockets and coaly plant debris along bedding planes; basal 0/6 fron-righ sharp Siltstone fine and sandstone fine; rhythmic evenly bedded laminae; wormy with small tracks and rare sand filled cup-shaped burrows plant debris; no-mine water staining sharp Siltstone fine and sandstone fine; variously-inclined lawers; abundant ripple drift and "train" drift, numerous disatems; planty debris with broom soft sediment pellets sharp, srocive maddum; linguoid ripple sats with micaceous planty planes, coaly planty planes and abundant maddun; linguoid ripple sats with micaceous planty planes, coaly planty planes and abundant maddun; linguoid ripple sats with micaceous planty planes, coaly planty planes and abundant maddun; linguoid ripple sats with micaceous planty planes, coaly planty planes and abundant maddun; linguoid ripple sats with micaceous planty planes, coaly planty planes and abundant maddun; linguoid ripple sats with micaceous planty planes, coaly planty planes and abundant agrit addment pellets; numerous finain pocketa Sandstone	ection of	\ \(\frac{\partial}{2}\)				
Siltstone Fine with disconnected thin sandstone fine lenses; root disturbed 0 5 1053 2 1053 2 1055	<u>.</u>					
Siltstone fine with disconnected thin sandstone fine lenses; root disturbed fine with disconnected thin sandstone fine lenses; root disturbed dark laminated; occasional rootlets 55/2 to 55/6, wormy below 59/0 with guilielmites, basel 9/2 fissile attached ST WATERLOO Bright coal 0/5 complete 0 7 1062 5 Bright coal 0/5 complete 0 7 1063 0 Bright coal 0/1 core 0 7 1063 0 Seat Barth Mudstone laminated, coaly with rootlets 1 6 1064 6 Siltstone fine, sandy; Stigmaria, micaceous planty planes; vague ripple drift; 5 3 1069 9 Siltstone fine with sandstone fine; swatly inclined layers and laminae; ripple drift, diastems, small scour and fill pockets incaceous planty planes; basal 0/6 fron-rioh 3 3 1073 0 Sandstone fine, well camented, massive; rare coaly pockets and coaly plant dheirs, no mine—water staining sharp 1077 4 Siltstone fine and sandstone fine; rare coaly pockets and coaly plant dheirs, no mine—water staining 1077 4 Sandstone maddum and sandstone fine; rare coaly plant debria; no-mine water staining 2 10 1079 2 Sandstone maddum, well comented, massive; rare coaly plant debria; no-mine water staining 2 10 1079 2 Sandstone fine and sandstone fine; variously-inclined layers; abundant ripple driff and "train" driff, numerous disatems; planty debris with broom soft sediment pallets 1 6 6 Sandstone maddum; linguoid ripple sats with micacacous planty planes, coaly planty planes and abundant anoth sediment pallets 1 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	GEOLOGI CAL	NATURE OF STRATA				
Siltstone fine with disconnected thin sandstone fine lenses; root disturbed dark laminated; occasional rootlets 53/2 to 55/6, wormy below 59/0 with guillelmites, basal 0/2 fissile attached ST WATERLOO Bright coal 0/5 complete Dirt 0/0; solid Bright coal 0/5 complete Dirt 0/0; solid Bright coal 0/1 core 0 7 attached 1063 0 Seat Barth Madstone laminated, coaly with rootlets 1 6 Madstone laminated, coaly with rootlets 1 6 Saltstone fine, sendy: Stigmeria, micaceous planty planes; vague ripple drift: 5 3 fine with sandstone fine; sently inclined layers and laminee; ripple drift; diastems, small scour and fill pockets; micaceous planty planes and plant debris along bedding planes; basal 0/6 iron-rich passages Sandstone fine, well cemented, massive: rare coaly pockets and coaly plant debris, no mine- water staining Sharp 1 1077 4 Sandstone madium and sandstone fine; whythmic evenly bedded laminae; wormy with small tracks and rare sand filled cup-shaped burrows harp Siltstone madium, well cemented, massive: rare coaly plant debris; no-mine water staining sharp 1 1077 2 Sandstone madium, well cemented, massive; rare coaly plant debris; no-mine water staining sharp 1 1079 2 Sandstone madium; linguoid statems; planty debris with broom soft sediment pellets sharp, erosive 1083 8 Sandstone madium; linguoid statems; planty debris with broom soft sediment pellets; mumerous fluatin pockets aft, as dammant ripple east with micaceous planty planes, coaly planty planes and abundant aft sediment pellets; mumerous fluatin pockets aft, as dammant ripple sets with micaceous planty planes, coaly planty planes and abundant aft sediment pellets; mumerous fluatin pockets aft, as dammant ripple sets with micaceous planty planes, coaly planty planes and abundant aft sediment pellets; mumerous fluatin pockets aft, as dammant ripple after and "train" drift, numerous diatems; planty debris with brown soft sediment pellets; mumerous fluatin pockets	GLASSIFICATION		morft*	CM OF IN*		+
Ienses; root disturbed 0 5 1053 2						
Mudstone dark laminated; occasional rootlets 53/2 to 55/6, wormy below 59/0 with guillelmites, 9 3 1062 3 attached 1062 5 1062 5 attached 1062 5 106	Siltstone			_		-
Mudatone dark laminated; occasional rootlets 53/2 to 55/6, wormy below 99/0 with auditelmites. basal 0/2 fissile attached Bright coal 0/5) complete Dit 0/6) solid Bright coal 0/1 core attached Carl Barth Mudatone laminated, coaly with rootlets Planty planes; vague ripple drift; passage Siltstone Siltstone fine, sandy: Sigmaria, micaceous planty planes; vague ripple drift; passage Siltstone Siltstone fine with sandatone fine; gently inclined lavers and laminate; ripple drift, diastems, small scour and fill pockets; micaceous planty planes; basal 0/6 iron-righ planes: basal 0/6 iron-righ planes: basal 0/6 iron-righ planes: basal 0/6 iron-righ Siltstone Siltstone Siltstone Siltstone Siltstone Siltstone Mudatone laminated, coaly with rootlets planty planes; randy: Sigmaria, micaceous planty planes; rand laminace; ripple drift, diastems, small scour and fill pockets; micaceous planty planes; basal 0/6 iron-righ planes: basal 0/6 iron-righ planty planes, and plant debris, no mine-water staining sharp Siltstone Siltstone medium and sandatone fine; hythmic evenly bedded laminae; wormy with small tracks and rere sand filled cup-shaped burrows sharp Siltstone medium, well comented, massive; rare coaly planty debris; no-mine water staining planty inclined layers; abundant ripple drift, and "train" fine and sandatone fine; variously-inclined layers; abundant ripple drift and "train" drift, numerous diastems; planty debris with brown soft sediment pellets; numerous fluasin pockets		lenses; root disturbed	0	2	1057	12
Signature Sign			 		1055	+=
Sect Parth Siltstone Siltstone Sandstone Sandstone Siltstone Sil	Mudstone	dark laminated: occasional rootlets 53/2 to				
basal 0/2 fissile	11445 00110					1
Seat Barth Seat Barth Seat Barth Seat Barth Siltstone fine, sandy; Stigmaria, micaceous planty planes; vague ripple drift; 5 5 1069 9 Siltstone Siltstone fine with sandstone fine; sently inclined layers and laminae; ripple drift; diastems, small scour and fill pockets; micaceous planty planes and plant debrie along bedding planes; basal 06 iron-rich 3 3 1073 0 Sandstone Sandstone Siltstone Sandstone madium and sandstone fine; rhythmic evenly hedded laminae; wormy with small tracks and rare sand filled cup-shaped burrows sharp Sandstone madium, well cemented, massive; rare coaly plant debries; no mine— water staining 4 4 4 1077 4 Siltstone madium, well cemented, massive; rare coaly plant debries; no mine— water staining 2 10 1079 2 Sandstone madium, well cemented, massive; rare coaly plant debrie; no-mine water staining 2 10 1082 0 Siltstone fine and sandstone fine; variously-inclined layers; abundant ripple drift and "train" drift, numerous diastems; planty debries with brown soft sediment pellets and "train" drift; numerous diastems; planty debries with brown soft sediment pellets plants and shundart and soft sediment pellets; numerous fusain pockets Sandstone medium; linguoid ripple sats with micaceous planty planes, coaly planty planes and shundart and soft sediment pellets; numerous fusain pockets saft sediment pellets; numerous fusain pockets 1 6			9	3		
Bright coal 0/5 complete Dirt 0/0+ solid Bright coal 0/1+ core					1062	3
Dirt O/O+) solid Right coal O/1+ core O 7						$oxed{oxed}$
Dirt O/O+) solid Right coal O/1+ core O 7	IST WATERLOO				ļ	
Seat Earth Mudstone laminated, coaly with rootlets 1 6 Seat Earth Siltstone fine, sandy; Stigmaria, micaceous planty planes; vague ripple drift; 5 3 Passage 1069 9 Siltstone fine with sandstone fine; sently inclined layers and laminate; ripple drift, diastems, small scour and fill pockets; micaceous planty planes; basal 0/6 iron-rich planes; basal 0/6 iron-rich passage 1073 0 Sandstone fine, well comented, massive; rare coaly pockets and coaly plant debris, no mine-water staining sharp 1077 4 Siltstone medium and sandstone fine; rhythmic evenly hedded laminae; vormy with small tracks and rare sand filled cup-shaped burrows 1 10 Sandstone fine and sandstone fine; rhythmic evenly hedded laminae; vormy with small tracks and rare sand filled cup-shaped burrows 1 10 Sandstone fine and sandstone fine; variously-inclined layers; abundant ripple drift and "train" drift, numerous disatems; planty debris with brown soft sediment pellets sharp, erosive 1 8 Sandstone medium; linguoid ripple sets with micaceous planty planes, coaly planty planes and abundant acft sediment pelleta; mumerous fusain pockets 55/2 to 55/4 1 8		Bright coal 0/5 complete				1
Seat Barth Mudstone laminated, coaly with rootlets Passage Siltstone fine, sandy; Stigmaria, micacecus planty planes; vague ripple drift; passage Siltstone fine with sandstone fine; gently inclined lavers and laminae; ripple drift, diastems, small scour and fill pockets; micacecus planty planes and plant debris along bedding planes; basal 0/6 iron-rich passage Sandstone Fine, well cemented, massive; rare coaly pockets and coaly plant dbeirs, no mine- water staining A 4 Siltstone medium and sandstone fine; rhythmic evenly bedded laminae; wormy with small tracks and rare sand filled cup-shaped burrows filled cup-shaped burrows sharp Sandstone medium, well cemented, massive; rare coaly plant debris; no-mine water staining plant debris; no-mine water staining Siltstone fine and sandstone fine; variously-inclined layers; abundant ripple drift and "train" drift, numerous diastems; planty debris with brown soft sediment pellets sharp, erosive medium; linguoid ripple sats with micacecus planty planes, coaly planty planes and abundant soft sediment pellets; mumerous flasain pockets soft to 55/2 to 55/4 1 8				_6		1
Seat Earth Mudstone laminated, coaly with rootlets			0	7		+
Seat Earth Siltstone fine, sandy; Stigmaria, micaceous planty planes; vague ripple drift: passage Siltstone fine with sandstone fine; gently inclined layers and laminae; ripple drift, diastems, small scour and fill pockets; micaceous planty planes and plant debris along bedding planes; basal 0/6 iron-rich planes; rare coaly planes; band coaly plant debris, no mine- water staining harp 10077 4 Siltstone medium and sandstone fine; rhythmic evenly bedded laminae; wormy with small tracks and rare sand filled cup-shaped burrows harp 10079 2 Sandstone madium, well cemented, massive; rare coaly plant debris; no-mine water staining planty planes, coaly planty debris with brown soft sediment pellets harp, erosive Sandstone medium; linguoid ripple sets with micaceous planty planes, coaly planty planes and abundart soft sediment pellets; numerous fusain pockets baseliment pellets; numerous fusain pockets		attached	\	9	1063	10
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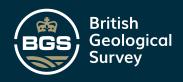
8-INCH MAP FORM P 71 3 1 DEC 1974 Woodside Surface Borehole Section of *Delete as appropriate THICKNESS DEPTH NATURE OF STRATA m or ft * cm or in * m or ft* cm or in* 1085 4 Ironstone ō 1085 Siltstone fine with small thin non-erosive lenticular sandstone ripple marks; planty bedding planes; siltstone slurry 88/2 to 88/6 with abundant plant debris: small sandstone fine pouches at 88/8 6 1089 0 sharp Siltstone medium and sandstone fine: variously inclined rippled units: diastems: numerous discontinuous siltstone laminae: abundant plant debris on bedding planes, often coaly 2 1094 medium with discontinuous siltstone laminae; Sands tone abundant coaly debris. mainly fusainous; no mine-water staining 7 sharp 1096 9 CORE BOXED 1096/9 - 1101/8 Mudstone. silty grey, darker towards the base 0 $2\frac{1}{2}$ 117 1096 detached, fitting FIRST WATERLOO (MAIN LEAF) Coal mainly bright(1/7 solid core 0/3 cylinder and fragments (0/5 solid core Dirt 0/03 0/5 Dirty coal and coal Dirt solid core <u>0/1∌</u> Coal bright Dirt Dirty coal and coal 0/4 cylinders and fragments $6\frac{1}{2}$ Recovery 100% Dip 4 detached, fitting 1100 6 Seat Earth, sandstone off-white, silty at top and base 1101 8 Seat Earth Siltstone fine locally muddy, abundant roots and ironstone root nodules 0 1106 passage 8 Siltstone fine, laminated, barren 2 1 1108 9 Muds tone dark laminated 0 1108 10



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COAL Eright COAL Fine to medium laminated immature; few rootlets and ferm leaves Fine to medium laminated; abundant strap plants and ferm leaves 1 7 11111 EAT COAL Eright Er	
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Siltstone	11
Siltstone	+
Siltstone fine with sandstone fine disconnected lenticular ripple marks, pouches 15/0 - 15/4, crumpled bedding 19/2 to 19/11 with associated pouches, plants on bedding planes including Neuropter's 5 Sandstone fine truncated linguoid ripple sets; micaceous planty planes and coaly planty planes with some fusain pockets sharp Siltstone fine and sandstone fine highly contorted structure; large sandstone fine load casts and 50 degree slumped bedding, abundant plant debris fine with rare thin sandstone fine scour and fill structures; planty bedding planes fine truncated linguoid ripple sets, micaceous planty planes fine truncated linguoid ripple sets, micaceous planty planes fine truncated linguoid ripple sets, micaceous planty planes o 4 Mudstone grey laminated; ironstone bands up to 0/1 thick; wormy 1126 Ironstone	
ripple marks, pouches 15/0 - 15/4, crumpled bedding 19/2 to 19/11 with associated pouches, plants on bedding planes including Neuropteris 5 3	8
bedding 19/2 to 19/11 with associated pouches, plants on bedding planes including Neuropter's 5 3 sharp 1119 Sandstone fine truncated linguoid ripple sets; micaceous planty planes and coaly planty planes with some fusain pockets 1 5 sharp 1121 Siltstone fine and sandstone fine highly contorted structure; large sandstone fine load casts and 50 degree slumped bedding, abundant plant debris 1 6 sharp 1122 Siltstone fine with rare thin sandstone fine scour and fill structures; planty bedding planes 0 10 sharp 1123 Sandstone fine truncated linguoid ripple sets, micaceous planty planes 0 4 Mudstone grey laminated; ironstone bands up to 0/1 thick; wormy 1126 Tronstone 0 8	
Sandstone Plants on bedding planes including Neuropteris 5 3	<u> </u>
Sandstone fine truncated linguoid ripple sets; micaceous planty planes and coaly planty planes with some fusain pockets 1 5	+
micaceous planty planes and coaly planty planes with some fusain pockets sharp fine and sandstone fine highly contorted structure; large sandstone fine load casts and 50 degree slumped bedding, abundant plant debris sharp fine with rare thin sandstone fine scour and fill structures; planty bedding planes fine truncated linguoid ripple sets, micaceous planty planes fine truncated linguoid ripple sets, micaceous planty planes grey laminated; ironstone bands up to 0/1 thick; wormy Ironstone micaceous planty planes o 4 Ironstone Tronstone	11
micaceous planty planes and coaly planty planes with some fusain pockets sharp fine and sandstone fine highly contorted structure; large sandstone fine load casts and 50 degree slumped bedding, abundant plant debris sharp fine with rare thin sandstone fine scour and fill structures; planty bedding planes fine truncated linguoid ripple sets, micaceous planty planes fine truncated linguoid ripple sets, micaceous planty planes grey laminated; ironstone bands up to 0/1 thick; wormy Ironstone micaceous planty planes o 4 Ironstone Tronstone	
planes with some fusain pockets sharp fine and sandstone fine highly conterted structure; large sandstone fine load casts and 50 degree slumped bedding, abundant plant debris sharp fine with rare thin sandstone fine scour and fill structures; planty bedding planes fine truncated linguoid ripple sets, micaceous planty planes fine truncated linguoid ripple sets, micaceous planty planes o 4 Mudstone grey laminated; ironstone bands up to 0/1 thick; wormy 1126 Tronstone	
Siltstone fine and sandstone fine highly contorted structure; large sandstone fine load casts and 50 degree slumped bedding, abundant plant debris sharp 1 6 sharp 1122 Siltstone fine with rare thin sandstone fine scour and fill structures; planty bedding planes sharp 1123 Sandstone fine truncated linguoid ripple sets, micaceous planty planes 0 4 sharp Mudstone grey laminated; ironstone bands up to 0/1 thick; wormy 1126 Ironstone Tronstone	+
structure; large sandstone fine load casts and 50 degree slumped bedding, abundant plant debris sharp 1 6 sharp 1122 Siltstone fine with rare thin sandstone fine scour and fill structures; planty bedding planes sharp 1123 Sandstone fine truncated linguoid ripple sets, micaceous planty planes 0 4 sharp Mudstone grey laminated; ironstone bands up to 0/1 thick; wormy 2 4 Tronstone Tronstone	4
and 50 degree slumped bedding, abundant plant debris sharp 1122 Siltstone fine with rare thin sandstone fine scour and fill structures; planty bedding planes sharp 1123 Sandstone fine truncated linguoid ripple sets, micaceous planty planes planty planes sharp Mudstone grey laminated; ironstone bands up to 0/1 thick; wormy 2 4 Tronstone Tronstone	
Siltstone Sharp 1122	
Siltstone fine with rare thin sandstone fine scour and fill structures; planty bedding planes sharp Sandstone fine truncated linguoid ripple sets, micaceous planty planes o 4 sharp Mudstone grey laminated; ironstone bands up to 0/1 thick; wormy Tronstone o 8	
fill structures; planty bedding planes 0 10 sharp 1123 Sandstone fine truncated linguoid ripple sets, micaceous planty planes 0 4 sharp 1124 Mudstone grey laminated; ironstone bands up to 0/1 thick; wormy 2 4 Tronstone 0 8	10
fill structures; planty bedding planes 0 10 sharp 1123 Sandstone fine truncated linguoid ripple sets, micaceous planty planes 0 4 sharp 1124 Mudstone grey laminated; ironstone bands up to 0/1 thick; wormy 2 4 Tronstone 0 8	
Sandstone fine truncated linguoid ripple sets, micaceous	8
Planty planes	
Mudstone sharp 1124 Mudstone grey laminated; ironstone bands up to 0/1 thick; wormy 2 4 Tronstone 0 8	
Mudstone grey laminated; ironstone bands up to 0/1 thick; wormy 2 4 Tronstone 0 8	+-
Tronstone 2 4 1126	
Tronstone 0 8	
	4
1127	10
	-
	_



•	31 Dec 1314	SK	47	SE,	/3
	. E. c.c.				<u> </u>
50 км Р / ј Seniev 680	COMMERCIAL IN CONFIDE	ACT			
Section of	Woodside Surface Borehole	K			
		*Delete	as appro	priate	
GEOLOGI CAL		THICK		DEPT	
CLASSIFICATION	NATURE OF STRATA	morft*	cm or in*	1127	m or in*
Ì					
Mudstone	dark laminated; numerous thin ironstone				
61	bands; wormy, mollusc spat 28/4, Anthracosis				
(6)	sporadic below 28/6, Naiadites below 34/6,				·
	Spirorbis and fish debris 36/2 to 36/4,				
	rare guilielmites	<u>. 11</u>	8		
	развасе		 	1138	8
Mudstone	dark fissile listric; abundant Naiadites				
	some pyritised, locally crowded, Anthracosia,				
	Spirorbis, fish debris at several horizons,]		
	fuccids; abundant ironstone nodules	3	2		
				1141	10
MARKHAM	Coal bright 0/8				
	Coal bright 0/8 part core and fragments				
	1/4	\ <u>'</u>	4	1143	2
				1142	
Seat Earth	Mudstone highly listric with coaly laminae	1 1	2		
2000 432 011	sharp	<u> </u>	1	1144	4
			·		
Siltstone	fine and sandstone fine connected lenticular				
00	non-erosive ripple marks and sets; crumpled				
	bedding 46/0 - 46/10, sandstone fine slurry	1			
	with ironstone 47/1 to 48/0, large load cast	8			
	48/0 to 48/6 and 51/9 to 52/2, small load				
	and pouch structures 50/3 to 50/6, comminute				
	plant debris along bedding planes	7_	10	1.50	
	sharp	<u> </u>		1152	_2
m131 1 .		ļ			
Siltstone	fine laminated; small sandstone fine pouches 55/2 to 55/8; large sandstone fine pouches				
	and contorted bedding 59/2 to 60/0; iron-			 	
	rich layers; comminuted plant debris along			 	
	bedding planes; vaguely wormy below 64/0	13	7		
	sharp			1165	9
Mudstone	dark laminated listric abundantly wormy				
11000	Anthracosia, rare small strap plants	5	10	1171	1_
Ironstone		0	4		
			<u> </u>	1171	11
Muds tone	dark fissile; Anthracosia, locally abundant,	 			
	ostracods 72/6, 75/5, Spirorbis 74/5 and	 	+	 	
	sporadically below, guilielmites, fucoids, carbonaceous 76/1 to base with fish debris a	10			
	thin wormy ironstones	5	6		
	OTALIS MOTHLY LIVIES COHES	+-	 	1177	5
		 	1	1	
			1		
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				<u> </u>	
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		1		 	
No. of		1		 	
				 	
		+	+	 	



	`	SK4	75	E/	36
SORA P &L	3 1 LUC 1974 COMMERCIAL IN COMPIDE	8-1NCH			B/H
SK#4#\$ 650	COMPERCIAL IN COM	102			
Section of	Woodside Surface Borehole	10			•
Section of		*Delete	as appro	priate	
GEOLOGICAL	NATURE OF STRATA	THICK		DEF	
CLASSIFICATION	TRIORE OF STRAIG	m or ft*	cm or in*	1177	cm or in•
				, ,	
	CORE BOXED 1177/5 - 1186/10-2				
Mudstone,	canneloid, ferruginous in bottom 0/1	0	3½	4455	
	detached, fitting			1177	8 1
SECOND WATERLOO	Cannel, dirty 0/3½) Dirt and coal 0/2)				ļ
	Coal, mainly bright 2/0				
	Coal, dirty 0/1)				<u></u>
	Dirt 2/8½) Cannel, dirty 0/1)fitting solid cores				
	Cannel 0/3)				
	Coal, bright 0/8½) Dirt 0/4)	10	1	<u> </u>	
	Coal, bright $1/5\frac{1}{2}$)				-
	Coal, dirty 0/12)				
	8/2½ Recovery 100%, Dip 2	8	21/2		+
				1185	11
Seat Earth	Mudstone light grey, listric	0	6	 	-
	2100220	Ľ		1186	5
Seat Earth	siltstone light grey	0	5-1		
5647 -41 011	BILLOS CORC TIRRIC BLOY		73	1186	101/2
Seat Earth	Siltstone fine sandy, root disturbed with	}			
Seat wat m	ironstone nodules	1	21/2		
				1188	1
Seat Earth	sharp Siltstone medium rooty, occasional small			 	+
	plants, rare ironstone nodules	7	3		
	sharp	10		1195	4
Siltstone	fine and sandstone fine discontinuous lenticu	ar			
,	ripple marks, sandstone fine pouches 99/2 - 9 siltstone dominant below 1203/0 and locally	9/6			
	muddy plant debris along bedding planes;			 	+
	iron rich layers	11	6	14006	
	Base of hole	<u> </u>		1206	10
		<u> </u>			
		 			
					1
b					
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	1 201				1
N., (<u> </u>	10			
		1	ļ	-	+
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