

Section of: Markham Colliery

L30's Intake Drift (Second Ell to Second Waterloo)

Purpose:

Access to Second Waterloo Seam

(Nat. Grid, Sheet & Qtr.) B/H REGD. NO.

Exact Site:

Top of drift: E445274; N.371855

SK 47 SE/60

53

Bottom of drift: E.445070; N.371390

Level at which drift commenced relative to 0.D. Minus 360.7 $\ensuremath{\text{m}}$

Date of Sinking: September 1981 to September 1982

Measures examined by D.J. Green, N.C.B. Geologist

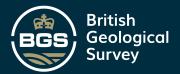
	(,9)				·
GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	THICKNESS		CUMULATIVE HEIGHT ABOVE SECOND ELL	
	·	m	CM	m	cm
305)	N.B. The Second Waterloo was sampled for analysis nearby at E.445295; N.371851, level - 314 m. 0.D. See Laboratory Report EMRL/129/82				(BCC)
	Top of Drift			65	92
Mudstone	highly carbonaceous; shaly	0	40+	65	52
SECOND WATERLOO (Middle Leaf)	Cannel 15 Coal, bright 23 Mudstone, canneloid 20 58			,	
Seatearth	<u>58</u>	0	<u>58</u>	64	94
Mudstone	grey, listric	0	08	64	86
Mudstone	silty, laminated	0	33	64	53
Mudstone	silty, poorly laminated, common plant remains; 0.03 ironstone at the top	0	75	63	78
				رن	70



1	,					
Marie and	•	2	SLUTS	sel bo		
Ann Ales in	Mudstone	highly carbonaceous, canneloid; common <u>coal</u> laminae in the top 0.05	0	51		
A state h	SECOND WATERLOO	Cannel	0	16	63	27
A	(Lower Leaf)	Cannet	<u>0</u>	15	<u>63</u>	12
A. B. Sandara	Siltstone	fine, unlaminated, no roots seen	0 .	10	63	02
. A rains	Siltstone	medium, poorly laminated, occasional minor fine siltstone passages; rare				
-		plant remains - passage -	5	20	57	82
The state of the s	Mudstone	silty; laminated; rare plant remains; locally common worm tracks	1	50	56	32
Section for	Mudstone	highly carbonaceous; shaly; occasional				72
den aben elieben aus		non-marine lamellibranchs including <u>Naiadites</u>	0	45	55	ช7
445 m. 11 1	COAL	bright .	0	21	<u>55</u>	<u>66</u>
A A ski	Seatearth Mudstone	oilby unlaminated system				
AL MATERIAL	riuustone	silty, unlaminated, carbonaceous; common irregular listric surfaces; common roots	0	13		
4	Mudstone				55	53
An contact	muascone	silty, grey; unlaminated; common irregular listric surfaces; common roots	0	75	54	78
ALCO DE SANCTO	Siltstone	fine; poorly laminated; occasional roots near the top passage	0	70	54	08
A STATE OF THE PERSON	Mudstone	laminated; common worm tracks;			J 4	00
Andreas to mark		rare plant remains	1	60	52	48
Management of the Control of the Con	COAL	dirty	0	25	52	23
melie & cont. "Endaminathung Mateu.	Seatearth Mudstone	unlaminated common irregular listric surfaces; common roots	0	48	51	75
4 4 4 4 4	Siltstone	fine, locally muddy; unlaminated; common roots, becoming less common towards tha base	1	05		
					50	70



, ,					
-	3		5K478	ے اے	_
Siltstone	fine with common fine sandstone laminae;			3E100C)
<u>FAULT</u>	locally ripple bedded Downthrow about 2.5 m to the N.E.	0	60+	50	10
Siltstone	fine to medium with common fine sandstone laminae; common micaceous carbonaceous planes; locally ripple bedded	1	00+	49	10
				7/	10
Sandstone	fine to medium; occasional micaceous planes; vaguely dune bedded	1	70	47	40
Siltstone	fine, and fine sandstone interlaminated and interlayered; locally ripple bedded; common micaceous carbonaceous planes				
	sharp	0	66	46	74
Sandstone	medium, generally massive erosional base	2,5	80	43	94
Mudstone	laminated; listric and crushed near the top; common worm tracks	2	20	41	74
Mudstone	carbonaceous, common <u>coal</u> laminae; occasional listric surfaces	0	28		
Seatearth				41	46
Siltstone	medium, with occasional irregular root disturbed sandstone laminae; common		40		
	roots , passage	0	60	40	86
Siltstone	medium, unlaminated; rare roots near the top; occasional ironstone patches	1	60	39	26
Sandstone	medium grained, off white; massive			29	20
Sandstone	medium graffied, off write, massive	2	20	37	06
Sandstone	fine grained, common irregular micaceous carbonaceous planes erosional	0	98	36	08
Mudstone	laminated; common worm tracks	1	34	34	74
COAL	dirty	0	20		
! !				34	54



• ,	•		-		
- Seatearth	4	(G)	SK47	se/L	
Mudstone	silty; common <u>coaly</u> laminae; common roots	0	43	34	11
Siltstone	fine to medium; unlaminated; grey; abundant roots passage	1	30	32	81
Siltstone	fine, laminated; occasional ironstone bands; common roots including <u>Stigmaria</u> , becoming less common towards the base passage	1	10	31	71
Mudstone Mudstone	locally silty; laminated; occasional ironstone lenses; locally common non-marine lamellibranchs including Anthracosia; occasional guilielmites silty, laminated; occasional ironstone	3	95	27	76
, riddi come	bands; common plant remains, mainly <u>Calamites</u> passage	0	95	26	81
Siltstone	fine, muddy in parts; poorly laminated; occasional ironstone bands and lenses; common and locally abundant plant remains including <u>Calamites</u>	2	20	24	61
Siltstone	medium with rare, diffuse sandstone laminae; strong	0	57		
FAULT	Downthrow 0.3 metres to the west			24	04
Siltstone	fine, poorly laminated, occasional ironstone bands; rare wispy thin sandstone laminae		45	22	59
Mudstone	silty, laminated; varved appearance; common worm tracks	2	10	20	49
Mudstone	laminated, dark, slightly carbonaceous passage	1	15	19	34
Mudstone	highly carbonaceous, shaly; occasional plant remains; occasional pyritic non-marine lamellibranchs near the base	0	55	18	79



ì	,				
	•	5			
Control of the second s	FIRST ELL	Coal, bright 13 Coal, dull 3 Seatearth; mudstone dark, coaly laminae 16 Seatearth; mudstone silty, grey 6 Coal, mainly bright 9	(BC)	kutse/(∞
100		Seatearth; mudstone silty, dark 138			
and the second s	355	Coal, bright 28 Seatearth; mudstone silty, dark 20 Coal, bright with a few dirt partings 6 Seatearth; mudstone 6 Coal, dirty 6 251	2	<u>51</u>	
4.01				<u>16</u>	5 28
のでは、100mm	Seatearth Siltstone	fine to medium, unlaminated; grey; abundant roots	0	07 16	5 21
the state of the state of the state of the	Sandstone	fine with occasional thin, root disturbed siltstone laminae; occasional root nodules; abundant roots	0	54	5 67
3 1 3	Sandstone	fine, and fine siltstone interlaminated			
A SECTION AND ADDRESS OF THE PARTY OF THE PA	3GE	and interlayered; locally ripple bedded; common micaceous carbonaceous planes; rare roots near top; occasional large sand-filled burrows towards the base	1	16	51
Bar Care day	Siltstone	fine, with occasional fine sandstone laminae, locally iron-rich sharp	0	98 13	3 53
The second secon	Siltstone	fine and fine sandstone, interlaminated and interlayered; some sandstone units up to 30 cm thick sharp	(B) (B)	83	2 70
Control of the Contro	Siltstone	medium, slurried texture; large fine sandstone pouch structures near the top; large flute-like structures at the base		45	
4		sharp	0	45 12	2 25
STATE OF THE	Mudstone	silty, laminated; rare wispy sandstone laminae near the top; occasional ironstone lenses; common worm tracks; occasional non-marine lamellibranchs			
2		passage	3	25 9	00
	Mudstone	locally silty, laminated; irregular listric surfaces common and locally abundant non-marine lamellibranchs including Naiadites and Anthracosia	135	80 7	20
100				/	20
- 7					



•	·				
•	6		SKUTS	sellac	2
Siltstone	fine and fine sandstone; common micaceous				
	carbonaceous planes, common lenticular ripple	s 2	76		
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		, 0	4	44
Siltstone	fine with occasional fine sandstone laminae; locally vaguely ripple bedded; occasional ironstone bands				
	passage	1	30		
				3	14
69.					
Sandstone	fine with common fine siltstone				
	laminae (80:20); common micaceous				
	planty planes; iron rich layers; locally vaguely ripple bedded; abundant				
	sand-filled burrows	ß	40		
	passage	U	40	2	74
	passags			4.	74
Siltstone	fine to medium with common fine sandstone laminae (70:30, locally 60:40); common				
	micaceous planty planes; iron-rich patches;				
	common small burrows	n	45		
	January Salitons		77	2	29
Mudstone	silty, laminated, dark; occasional				
	ironstone patches near the top;				
	occasional plant remains; common and				
	locally abundant non-marine lamellibranchs				
	epecially near the base, including <u>Naiadites</u> with attached Spirorbis				
	Maradices with accached Spirorots	1	32		
		-	72	O	97
				,	<i>(</i> 0.)
SECOND ELL	Coal	0	<u>97</u>		
	• •			0	00
	0.4h				
	Bottom of Drift				

DJG/91359/PH.XI