



SK47 SW 71 43942-72987

Section of: Erin Opencast Borehole No. 615

COMMERCIAL IN CONFIDENCE

Purpose:

Opencast Coal Exploration .

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

Exact Site:

E443942) scaled

N372987)

SK 47 SW

64C

Level at which bore commenced relative to O.D. $+174~\mathrm{m}$ approx

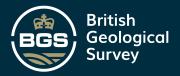
Date of Drilling: October 1976

Driller: William Raeburn

Cores logged by M. Powell N.C.B. Opencast Geologist

GEOLOGICAL CLASSIFICATION	NATURE OF ST	RATA		THICKNESS m cm		DEPTH m cm	
	(4)		du lu			0	0.0
Soil			•	0	30	0	30
Clay	brown, sandy		•	0	90	U	31
_	_					1	20
Backfill	mudstone			9	30	10	50
Lost Core	•			0		10	•
		> 9-				10	58
Mudstone	grey; firm; clayey; ironst	one bands;		1	44		
(BC	WAR 0.0			j	• •	12	0
Mudstone	black; firm			0	07		•
MAIN BRIGHT						12	0:
111111111111111111111111111111111111111	Coal bright	48					
	Seatearth, firm	41					
	Coal, banded	4					
	Seatearth, coal laminae	34					
	Coal, bright	14					
	Lost core in mudstone	8					
	Mudstone	138		•			
	Coal, bright	5					
	Seatearth, mudstone	3	•				
	Mudstone, firm	39					
	Coal, dull, dirty	28					
	Seatearth, coal laminae	12					
	Coal, banded	6					
	Seatearth mudstone;	34 .					
	Dirty coal	6					
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Seatearth: Mudstone	grey, becoming brown towards the base		05		
Sandstone	yellow-brown; hard, RQD 100%	Õ,	16	16	50
Mudstone	indurated with ironstone; RQD 70%	0	22		
Mudstone	pale grey; firm; RQD 0%	· о	79	16	72
	·			. 17	51
Mudstone	indurated withironstone bands; RQD 60	€ 0	28	17	79
Mudstone	firm; RQD 0%	(G)	71	19	50
Siltstone	with bands of mudstone; some ironstone bands; RQD 20%	3	00		
Mudstone	soft at top, becoming more silty and		00	22	50
,	stronger towards the base	0	93		
Siltstone	pale grey; hard; very thin coal bands			23,	43
	towards the base; RQD 20%	0	57	24	00
Mudstone	grey; firm; slightly silty; RQD 0%	0	34	24	34
Siltstone	with sandstone; sandstone lenses; RQD 90%	. 1	16		
Mudstone	silty; dark; ironstone bands; RQD 55%	_		25	50
Mudstone			43	26	93
	dark; ironstone bands; RQD 10%	1	57	28	50
Mudstone	dark - black; firm; RQD 20%	2	50	31	00
Mudstone	black, RQD 30%	3	00	34	00
Mudstone	dark - black; firm; RQD 0%	ı	75	35	75
TWO FOOT	coal, bright 70			JJ	, ,
	seatearth 55				
Cashanull	coal, mainly dull 20	1	45	37	20
Seatearth Mudstone	silty; grey; becoming darker to base		-		00
	RQD 85%	. 0	87	38	07
Siltstone	with sandstone laminae; sandstone lenses; RQD 65%	1	87	=	
Core lost	•	0	06	39	94
			JU	40	00
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Siltstone

Sandstone

Mudstone

Mudstone

		SI	ع ت	5W/71		
hard; ironstone bands; Re	\$0 T D	1	14	41	14	
with siltstone laminae ":	flaser bedding;			_		
RQD 50%	,	1	86			
•				43	00	
hard; RQD 55%		3	00			
	•			46	00	
becoming dark towards the	e base; hard;					
RQD 20%		1	43			
				47	43	
black; RQD 60%		0	43			
				47	86	
coal, bright	61					

Mudstone	black; RQD 60%	
LOW BRIGHT	coal, bright	61
	pyrite	1
	coal, bright	.3
	dirt	2
	coal, bright	6
	seatearth, mudstone	12
	coal and dirt	22
(BC)	core lost in coal & dirt	74 114+

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Base of hole

JR/1178R/02/BS