



3 :

SK478W 74 4410-72727

Section of: Erin Opencast Borehole No. 125

Purpose: Opencast coal exploration

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

Exact Site: E

E.444100) scaled

N.372727)

SK47SW

6 4A

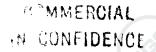
Level at which bore commenced relative to O.D. + 193 m. approx.

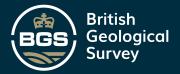
Date of Drilling: June 1976

Driller: William Raeburn

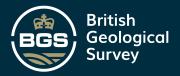
Core logged by M. Powell (N.C.B. Opencast Geologist)

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA		THICKNESS		DEPTH	
		m	CM	m	cn	
Soil		0	30	0	0.0	
3011		Ū	30	0	30	
Clay		2	20	2	50	
Mudstone	brown; weathered; clayey; soft	1	12	3	62	
Mudstone	black; shaly; weathered; iron stained;			3	02	
	fairly soft	0	52	4	14	
Mudstone	dark grey; ironstained	0	04	4	18	
COAL	banded; weathered	0	08	-		
				4	26	
Seatearth:						
Mudstone	dark grey; coal bands	0	23	4	49	
Mudstone	grey, soft	0	67	5	16	





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		SKATS	3NJ	174	
				5	16
Mudstone	silty	0	34	5	50
Mudstone	soft; 0.01 <u>coal</u> band; some iron-starsome silty bands	ining, l	04	6	54
Lost Core	in broken ground	0	54	7	08
Mudstone	silty; yellow-grey; sandy layers; broken	1	24	8	32
Sandstone	yellow; broken	0	18	8	50
Lost Core		(BC)	68	9	18
Sandstone	yellow; hard; RQD 45%	1	53	10	71
Siltstone	yellow-grey; ironstained	0	38	11	
Mudstone	fairly soft	0	41	11	50
Lost Core	in broken strata	0	56	12	06
Mudstone	fairly firm; broken; harder towards the base	2	44	14	50
Mudstone	firm	(BG)	00	15	50
Ironstone		0	07	15	57
Mudstone	dark grey, becoming black towards the base	0	57	16	14
Mudstone	grey, becoming lighter to base	0	69	16	83
Mudstone	dark grey; soft	0	22	17	05
Mudstone	silty; oolitic	0	20	17	25



		SV	475	-اس	74
Seatearth:				17	25
Mudstone	grey; soft	0	25	17	50
Mudstone	black, shaly, lighter in the centre	0	31	<u>17</u>	81
Seatearth: Mudstone	pale grey; becoming silty towards the base; roots	0	55		60°
Mudstone	grey; fairly soft	0	49	18	36 85
Ironstone		0	26	19	11
Mudstone	dark grey; indurated; ironstone bands	0	36	19	47
Mudstone	dark grey; soft; ironstone nodules	1	03	20	50
Mudstone	dark grey; soft; ironstone nodules	0	94	21	44
Mudstone	shaly; grey	0	36	21	80
Mudstone	black; soft	0	07	21	87
Mudstone	shaly; black; slightly carbonaceous;	1	63	23	50
Lost Core		0	60	24	10
Mudstone	black; shaly; slightly carbonaceous Lingula at base; RQD 90%	0	52	24	62
Mudstone	grey; fairly firm; darker towards the base; Lingula and non-marine lamellibranchs	1	88	26	50
Mudstone	grey, hard, fossiliferous at the top	0	49	26	99



	59		SKUT	1SW	174-
10)			26	99
Mudstone	dark grey; shaly; fossilferous	0	65	27	64
Mudstone	shaly; carbonaceous	0	34	27	98
Mudstone	black; coaly laminae Coal, bright 43	0	14	28	12
CLOWNE	Coal, bright 43 Pyrite 4 Coal, bright 74 Core lost in coal 17 138	1_	38	29	50
Seatearth:					
Mudstone	yellow-grey; ironstone nodules	0	75	30	25
Sandstone	micaceous; dark grey; ironstained; hard; RQD 10%	1	40 +	. 31	65
	Bottom of hole at 31.65 m				
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