

64 A.

SK 47 S.V. | 74

5-1

ERIN OPENCAST

Borehole No. 125

E 44 4100

N. 37 2727

Scaled

DATE. June 1976

STARTING LEVEL. +193m O.D. approx.

[illegible]



SK47SW 74 4410-372727

Section of: Erin Opencast Borehole No. 125

Purpose: Opencast coal exploration

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

Exact Site: E.444100 ) scaled  
N.372727 )

SK47SW

64A

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	cm
Soil		0	30	0	00
				0	30
Clay		2	20	2	50
Mudstone	brown; weathered; clayey; soft	1	12	3	62
Mudstone	black; shaly; weathered; iron stained; fairly soft	0	52	4	14
Mudstone	dark grey; ironstained	0	04	4	18
<u>COAL</u>	banded; weathered	0	08	4	26
Seatearth:					
Mudstone	dark grey; coal bands	0	23	4	49
Mudstone	grey, soft	0	67	5	16

COMMERCIAL  
IN CONFIDENCE

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				5	16
Mudstone	silty	0	34	5	50
Mudstone	soft; 0.01 coal band; some iron-staining, some silty bands	1	04	6	54
<u>Lost Core</u>	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
<u>Lost Core</u>		0	68	9	18
Sandstone	yellow; hard; RQD 45%	1	53	10	71
Siltstone	yellow-grey; ironstained	0	38	11	09
Mudstone	fairly soft	0	41	11	50
<u>Lost Core</u>	in broken strata	0	56	12	06
Mudstone	fairly firm; broken; harder towards the base	2	44	14	50
Mudstone	firm	1	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



SK47SW74

				17	25
Seatearth:					
Mudstone	grey; soft	0	25	17	50
Mudstone	black, shaly, lighter in the centre	0	31	17	81
Seatearth:					
Mudstone	pale grey; becoming silty towards the base; roots	0	55	18	36
Mudstone	grey; fairly soft	0	49	18	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 <u>Lingula</u> at base; RQD 90%	0	52	24	62
Mudstone	grey; fairly firm; darker towards the base; <u>Lingula</u> and non-marine lamellibranchs	1	88	26	50
Mudstone	grey, hard, fossiliferous at the top	0	49	26	99

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Mudstone	dark grey; shaly; fossiliferous	0	65	26	99
				27	64
Mudstone	shaly; carbonaceous	0	34	27	98
Mudstone	black; coaly laminae	0	14	28	12
<u>CLOWNE</u>	Coal, bright	43			
	Pyrite	4			
	Coal, bright	74			
	Core lost in coal	<u>17</u>	<u>1</u>	<u>38</u>	
		<u>138</u>		<u>29</u>	<u>50</u>
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

MP/1174R/PH