

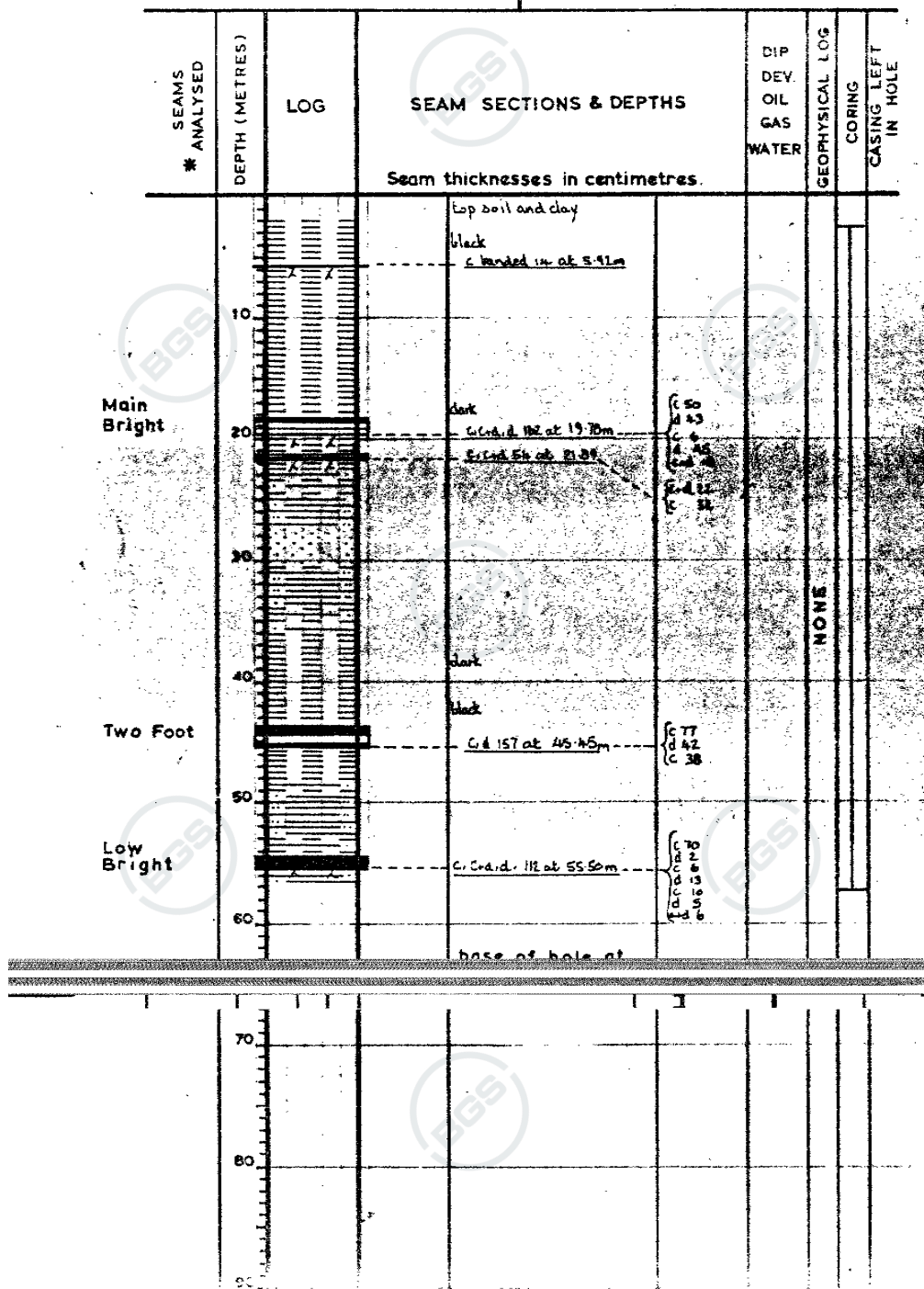


345 SK 47 SW 172 345

ERIN OPENCAST

Borehole No. 493

E. 444182	Scaled	DATE. Sept. 1976
N. 373015		STARTING LEVEL +171.5 m O.D. approx





COMMERCIAL
IN CONFIDENCE

SK47SW 72 44182-73015

Section of: Erin Opencast; Borehole No. 493

Purpose: Opencast Coal Exploration

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

Exact Site: E 444182) Scaled
N 373015)

SK 47 SW

64B

Level at which bore commenced relative to
O.D. +171.5 m approx.

Date of Boring: September 1976

Driller: William Raeburn

Cores logged by: M. Powell, NCB
Opencast Geologist

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	THICKNESS		DEPTH	
		m	cm	m	cm
Soil		0	30	0	00
Clay	brown; sandy	1	70	0	30
Mudstone	weathered	1	00	2	00
Mudstone	black; iron-stained in bands	2	78	3	00
<u>COAL</u>	dull and bright; brittle	0	14	5	78
				5	92
Seatearth:					
Mudstone	black, soft	0	08	6	00
Mudstone	grey; soft; ironstone bands	1	22	7	22
Mudstone	silty; grey; soft	0	98	8	20
Mudstone	grey; firm; thin ironstone bands RQD 10%	3	00	11	20
Mudstone	grey; some thick ironstone bands RQD 10%	3	00	14	20
Mudstone	grey, darker towards the base; ironstone bands; RQD 30%	1	50	15	70
<u>Lost Core</u>		1	50	17	20
Mudstone	dark; soft; ironstone bands	0	56	17	76
Mudstone	very dark; black towards base	0	40	18	16

<u>MAIN BRIGHT</u>					
(Part)	Coal bright; brittle	0	50	18	66
Seatearth:					
Mudstone	dark grey with coal bands	0	04	18	70
Siltstone	light grey; roots; RQD 80%	0	39	19	09
<u>COAL</u>	dull and bright	0	06	19	15
Seatearth					
Siltstone	light grey; coal bands; RQD 40%	0	45	19	60
<u>COAL</u>	and dirt	0	18	19	78
Seatearth:					
Mudstone	light grey; coal bands	0	31	20	09
<u>Lost Core</u>		0	11	20	20
Mudstone	grey; some ironstone; thin <u>coal</u> band to base	1	15	21	35
<u>MAIN BRIGHT</u>					
(part)	Coal and dirt 22 Coal, mainly bright 32	0	54	21	89
Seatearth:					
Mudstone	common coal bands	0	61	22	50
Mudstone	grey, silty; hard; indurated; ironstone; RQD 30%	2	30	24	80
Siltstone	grey; sandy towards the base; hard; RQD 60%	2	20	27	00
Sandstone	light grey; hard; RQD 80%	2	94	29	94
Mudstone	grey; firm	0	06	30	00
Sandstone	grey; hard	0	06	30	06
Mudstone	grey; darker towards the base; ironstone bands	0	79	30	85
Siltstone	grey; hard; sandstone lenses; RQD 75%	2	15	33	00
Mudstone	silty; hard; RQD 90%	0	57	33	57
Ironstone	band; hard	0	06	33	63
Mudstone	silty; grey; some ironstone bands; RQD 60%	2	37	36	00

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Mudstone	very dark grey; ironstone bands; RQD 85%	2	78		
<u>Lost Core</u>		0	22	38	78
Mudstone	dark grey; firm; RQD 40%	3	00	39	00
<u>Lost Core</u>		0	07	42	00
Mudstone	dark grey; black towards the base; RQD 40%			42	07
		1	81	43	88
<u>TWO FOOT</u>	Coal, bright 77 Mudstone seatearth 35 Mudstone, dark grey 7 Coal, dull and bright 38 <u>157</u>	1	57	45	45
Seatearth:					
Mudstone	dark grey, soft	0	12		
Mudstone	grey; ironstone bands RQD 70%	2	43	45	57
Mudstone	silty towards the base; hard; RQD 70%	1	76	48	00
Siltstone	with sandstone; sandstone lenses; hard; RQD 100%			49	76
		0	97	50	73
Mudstone	silty; RQD 90%	0	27	51	00
Siltstone	with sandstone; sandstone lenses; hard; RQD 100%			52	44
		1	44		
Mudstone	silty; hard; RQD 40%	1	56	54	00
Mudstone	black, shaly; RQD 35%	0	38	54	38
<u>LOW BRIGHT</u>	Coal, bright 70 Dirt 2 Coal, bright 6 Silty seatearth 13 Coal, banded 10 Seatearth, mudstone 5 Coal and dirt 6 <u>112</u>	1	12	55	50
Seatearth:					
Mudstone	grey; firm; ironstone bands; RQD 50%	0	42	55	92
Siltstone	grey; hard; RQD 80%	0	58+	56	50
<u>Base of hole at 56.50 m</u>					
(Water at 21.00 m)					

JR/1166R/JC