



64C

SK 47 S.W. 71

64C

ERIN OPENCAST
Borehole No. 615

E. 443942 N. 372987		Scaled	DATE. Oct. 1976 STARTING LEVEL. +174m O.D. approx.			
SEAMS * ANALYSED	DEPTH (METRES)	LOG	SEAM SECTIONS & DEPTHS	DIP DEV. OIL GAS WATER	GEOPHYSICAL LOG	CORING CASING LEFT IN HOLE
			Seam thicknesses in centimetres.			
	10		Made ground to 10.50m			
Main Bright	15					
	20		C. d. d 420 at 16.25m			
	25					
	30		coal bands			
	35		black			
Two Foot	40		C. d. 145 at 37.20m			
	45					
Low Bright	50		black C. d. d 114 at 49.00m			
	55					
	60		base of hole at 49.00m			
	65					
	70					
	75					
	80					

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Section of: Erin Opencast Borehole No. 615

Purpose: Opencast Coal Exploration

**COMMERCIAL
IN CONFIDENCE**

(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 m approx

Date of Drilling: October 1976

Driller: William Raeburn

Cores 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
Clay	brown, sandy	0	90	0	30
Backfill	mudstone	9	30	1	20
Lost Core		0		10	50
Mudstone	grey; firm; clayey; ironstone bands; RQD 0%	1	44	10	58
Mudstone	black; firm	0	07	12	02
				12	09

MAIN BRIGHT

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

4 20

16 29

Seatearth:					
Mudstone	grey, becoming brown towards the base	0	05		
Sandstone	yellow-brown; hard, RQD 100%	0	16		
				16	50
Mudstone	indurated with ironstone; RQD 70%	0	22		
				16	72
Mudstone	pale grey; firm; RQD 0%	0	79		
				17	51
Mudstone	indurated with ironstone bands; RQD 60%	0	28		
				17	79
Mudstone	firm; RQD 0%	1	71		
				19	50
Siltstone	with bands of mudstone; some ironstone bands; RQD 20%	3	00		
				22	50
Mudstone	soft at top, becoming more silty and stronger towards the base	0	93		
				23	43
Siltstone	pale grey; hard; very thin coal bands 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		
				25	50
Mudstone	silty; dark; ironstone bands; RQD 55%	1	43		
				26	93
Mudstone	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%	1	75		
				35	75
<u>TWO FOOT</u>					
	coal, bright	70			
	seatearth	55			
	coal, mainly dull	20			
		145			
			1	45	
				37	20
Seatearth					
Mudstone	silty; grey; becoming darker to base RQD 85%	0	87		
				38	07
Siltstone	with sandstone laminae; sandstone lenses; RQD 65%	1	87		
				39	94
Core lost		0	06		
				40	00



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Siltstone	hard; ironstone bands; RQD 30%	1	14		
				41	14
Sandstone	with siltstone laminae "flaser" bedding; RQD 50%	1	86		
				43	00
Mudstone	hard; RQD 55%	3	00		
				46	00
Mudstone	becoming dark towards the base; hard; RQD 20%	1	43		
				47	43
Mudstone	black; RQD 60%	0	43		
				47	86
<u>LOW BRIGHT</u>	coal, bright	61			
	pyrite	1			
	coal, bright	3			
	dirt	2			
	coal, bright	6			
	seatearth, mudstone	12			
	coal and dirt	22			
	core lost in coal & dirt	74			
		<u>114+</u>			
		1	14+		
				49	00

Base of hole

JR/1178R/02/BS