



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		C. d. d 420 at 16.25m			
	20		coal bands			
	25		black			
Two Foot	35		C. d. 145 at 37.20m			
	40		black			
Low Bright	45		C. d. 114 at 49.00m			
	50		base of hole at 49.00m			
	60					
	70					
	80					

SK47 SW 71 43942-372987

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



SK47SW/71

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