

EXPLORATION LICENCE E/L 50/82,

30 AUGUST 1988.

OPEN FILE

88 - 2056



THE CORNWALL COAL COMPANY NO LIABILITY

TELEPHONE: (003) 319522

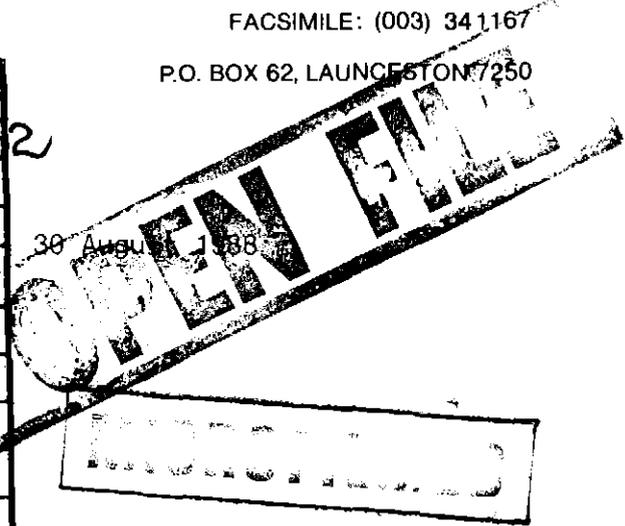
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88-2856

MINES	
File Ref. EL 50/82	
31 AUG 1988	
Doc. Ref.	
Action Officer	Initials
Resubmit to	Date



The Director of Mines,
P.O. Box 56,
ROSNY PARK 7018

Dear Sir,

Exploration Licence E/L 50/82

In the twelve months to 14 August 1988, work continued on exploration to the south and south-east of Duncan Colliery by advancing headings in two panels in the Duncan Seam as follows.

The No.2 Section panel encountered a major disturbance, believed to be the result of dolerite intrusion of the coal measures. The seam dipped sharply and further advance became physically impossible. A small panel of pillars was formed and extracted as part of a N.E.R.D.D.C. grant assisted research project to determine the effect of dolerite sills on stability of underground workings in the Fingal area.

Work is continuing on this project based on alternative areas at Fingal and Mount Nicholas.

Following a reassessment of geophysical data by Dr. D. Leaman, the Department of Mines and others, work recommenced in what is known as No.1 Section. Headings were advanced due south to grid reference E5865800 N5386600 (in belt road). Geological conditions were very variable and advance slow and difficult. Substantial water inflows have occurred. Coal quality was poor with up to one metre thickness of mudstone in a seam of 2.1 metres.

At the above point, headings were turned south-east. Soon afterwards, a change in seam conditions was noted. Two full seam samples taken since 30 June 1988 gave the following results.

- Pillar A42-43 full seam ash 33.8%, o.d. basis
at 1.7 S.G., 75.5% yield at 20.6% ash (o.d.)
- Pillar C42-43 full seam ash 41.5%, o.d. basis
at 1.7 S.G., 62.2% yield at 24.0% ash (o.d.)

Work is continuing in this area with advance of up to 200 metres planned in the 1988/89 year.

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Since the samples were taken a downthrow fault of over 2 metres displacement has been encountered. The effect of this fault on the seam is as yet unknown.

Work is currently proceeding to drive through the fault. Exploration Expenditure in the period amounted to: \$112,490.

Signed,



C.E. PECK,
Commercial Manager