

01958/60



Department of Mines, Tasmania

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Hobart, 4th November, 1958.

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B 4041 - B 4042
(2 lines)

B 3136

MEMORANDUMCOAL RESERVES AT STANHOPE MINE

In order to furnish financial assistance to Mr. J. Stanley of the Stanhope Colliery it is necessary to assess sufficient reserves for ten years.

The present rate of production is 50 tons a day but it is hoped to step up production to 100 tons a day. The average number of days worked a year is about 200 so that the estimated reserves should be 200,000 tons.

Four effective bores, put down by the Company in 1956 intersected the coal seam at predicted depths. The line of bores was approximately north or at an angle of about 45° to the dip, which is 45° east of north.

The distance from the entrance to the farthest bore is 1400 feet. The average thickness of the coal is, including bands, 7'6". If 200 feet is subtracted for surface coal and that used to date, then 1000 (400 x 2.5) cubic yards of coal is available for every yard of width.

This coal is usually weighed at 24 cubic feet per ton or 0.89 tons per cubic yard.

So that for 10 years at 20,000 tons per year, a total width of 200 x .89 yards is required. This is 178 yards.

Assuming a 75% recovery the width needed will be $178 \times \frac{4}{3}$ yards = 238 yards.

As revealed in the workings to date, the width of the coal at right angles to the line of bores is over 200 yards.

So far, in the workings there has been no evidence of faulting. At a few places the seam has rolled a little but nowhere has any true fault been encountered. It is, therefore, unlikely that a major fault will be intersected close to either side of the present limits of work, let alone close to both.

It is, therefore, predicted that there will be sufficient reserves for the Stanhope Colliery for at least ten years at an annual production of 20,000 tons.

(T.D. Hughes)
SENIOR GEOLOGIST

The Director of Mines,
HOBART