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COMMONWEALTH OF AUSTRALIA

DEPARTMENT OF NATIONAL DEVELOPMENT
BUREAU OF MINERAL RESOURCES
GEOLOGY AND GEOPHYSICS

RECORDS:

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Report on Maintenance
Porphyry Gold Mine

by

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DEPARTMENT OF SUPPLY AND SHIPPING

MINERAL RESOURCES SURVEY.

REPORT ON MAINTENANCE

PORPHYRY GOLD MINE.

Report No. 1945/46.

Situation: At Porphyry, 96 miles Northeast of Kalgoorlie by road.

Representative: Porphyry (1939) Gold Mine, N.E. C/o Ford Rhodes and Davies, Boulder Road, Kalgoorlie.

Capital of the Company: 16,000 shares paid to 15/- each. It is stated by Mr. J. Fox, Managing Director, that the replacement value of the plant is approximately £50,000.

Maintenance Commenced: February, 1943.

Average Amount Per Calendar Month: (August to November, 1944)
£58. 5. 0.

Basis of Maintenance: Two caretakers at £25 per month each. Accident Insurance, Fire Insurance, and small items of stores have also been charged against maintenance.

Usual No. of Men employed: 50 to 65.

Ore Reserves: 80,000 tons averaging 4.3 dwt. gold per ton. This lode is a flatly dipping ore body which is under option to Gold Fields Australian Development Co. Ltd. This latter company is carrying out a diamond drilling campaign which gives promise of proving large reserves of ore.

Average Monthly Throughput: The capacity of the plant is 4,000 tons per month.

Plant: Powerhouse driven by producer gas units, alternators, engines, electric motors, jaw cracker, conveyor belts, cone crusher, ball mill, classifier, 6 agitators, 2 thickeners, 3 large water tanks, 3 ore bins, blacksmith's shop, assay room, store, electricians, workshop, change house, 4 houses, 12 huts, sundry stores and equipment.

Mine: The mine workings are shallow and dry and no maintenance is being carried out.

Maintenance Requirements: The duties of the caretakers, according to the Company's application are to safeguard the company's property and to keep all electrical equipment such as motors, alternators, and switchboards properly cleaned and covered and protected from rain and wind storms. It is also necessary to prevent dust and driftingsand from encroaching on the plant, which is apparently in good condition throughout. Primary maintenance such as tarring and painting of cyanide vats has been carried out.

Recommendations: That one caretaker only be employed.

(N. H. Fisher)
COMMONWEALTH GEOLOGIST.

2/8/45.

(J. E. Lloyd)
DISTRICT INSPECTOR OF MINES.