

counterdrive and in the 22 crosscut east to the vein structures. Several parallel quartz features have already been cut, and although it is too early to predict the final outcome of development on this level, work to date indicates that the vein formations extend to the 2000 level.

On the 1800 level development of the 102 vein indicates a wider width of ore than on other levels. This improvement is distinctly encouraging. Development work on the 1600, 1500, and 1400 level in the northern part of the mine continues to be encouraging. Although vein formations developed in this area of the mine are narrow, the values are fairly good.

Milling operations were interrupted during the first part of the month because of a breakdown in No. 1 ball mill. The drop in tonnage which resulted was made up during the latter part of the month so that the final tonnage was normal. No difficulties were experienced during the month with respect to milling operations or extraction.

During the month school facilities were made available for staff children. At present there are 9 children of school age at Suyoc and at Palidan Suyoc.

UNITED PARACALE MINING COMPANY

Production at United Paracale for October was ₱200,081.70, from 7,962 tons treated. Head values average ₱25.-34 per ton, with a recovered value of ₱22.52, giving an extraction of 89.4%.

Of the total output, ₱2,683.80 resulted from the treatment of 142 tons of ore from the Rocky Mt. Fraction of Northern Mining & Devel. Co.

This figure gave the company a new monthly record for the fifth consecutive month.

Total development footage was 1,486 feet, of which 993 feet were in capital and 493 feet in operating development.

The assembly of Allen Diesel No. 7 was completed, and after several satisfactory trial runs, the engine was put into regular operation.

The No. 2 Bolinder compressor at Longos was completely overhauled, after which the Hollman portable compressor was overhauled and moved to the Kalaw No. 4 tunnel where it is now in

operation.

Construction of the new landing wharf and of the new bridge across the Paracale River was started the first of the month, and both jobs are now nearing completion.

SAN MAURICIO MINING COMPANY

During October the plant treated 5,250 tons of ore from which ₱119,113.-75 was extraction, the average extraction being 91%. Average mill heads were ₱24.49 per ton while the tailings average ₱2.11 a ton. Production was curtailed somewhat as a result of a severe rain storm which hit the district on October 12, and continued through the 13th, and 14th. During this storm 36 inches of rain fell, and the heavy flow of water from the surface shut the mines down for 2-1/2 days. Extensive shaft repairs hindered hoisting on October 6 and 7. Pumps have been installed on the 200 level that will handle 2400 gallons per minute.

Development work at the San Mauricio, Santa Monica, and Santa Ana mines amounted to 1,307 feet, of which 386 feet was in ore and 921 feet in waste. The shaft station on the 500 level of the main shaft has been completed, with the station sets installed, and a cage is now being used in one compartment of the shaft.

Work has been started on the changing of hoisting from the San Mauricio shaft to the main shaft. Allen Diesel engine No. 4 is now in operation.

The Santa Ana shaft has reached a depth of 261 feet. A vein 9 feet wide was cut 233 feet below the collar.

Good results are being obtained on the Tacoma No. 1, Tacoma No. 2, and Tacoma No. 3 veins on the 200 level. These veins are narrow but of good grade.

UNION MINES, INC.

Good progress was made at Union Mines during October in trail cutting and in open cut work which is being conducted for the prospecting of this group. Several outcrop formations were uncovered during this work.

Doghole crosscuts will be started in the near future to investigate some of the outcrops which have been exposed.

A short inexpensive waterline has been installed for furnishing water to the camp.