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The vein is on a contact between granite and quartzite, with granite footwall. Above the quartzite is lime schist and limestone, conformably bedded Paleozoic sedimentaries. A 100', 38° ineline shaft was sunk on the vein, on the west side of which is a 20 ton stope, the only evidence of ore mined. From the shaft bottom a drift 120' long runs NW and another 100' SW, on the vein, which is apparently barren.

At another point on the ground is a reddish black, massive, quartz-iron outcrop on which a combined open cut and tunnel, 70' long, has been driven, and a 50' shaft sunk. No information could be given by Mr. Murphy concerning values, which are probably low. Mr. Murphy, who is a friend of Mr. Dunfee, had accompanied the writer to Hornsilver, to show roads and mines.

~~There are a number of small mines and prospects in the vicinity of Hornsilver on which assessment work is being kept up.~~

SULPHIDE & ANTELOPE SPRINGS

Mr. Pat McAuliffe took one of the engineers on a trip to the Sulphide and Antelope Mines, about 30 miles in an air line S - S - E from Goldfield or N 40 E strike - 45° dip to SE. The Sulphide veins are a series of parallel veins in rhyolite. Many cuts were made on the croppings and several shallow windlass shafts have been sunk. The deepest shaft was sunk to 100 ft. with two hundred feet of drifting. The vein is persistent, with a strong footwall and a 3 ft. width of quartz but of low value only. Mr. McAuliffe was considering cross-cutting in the footwall for a parallel vein. After a survey and study the conclusion was that an existing crosscut was sufficient footwall

development, and advised prospecting the long length of exposed outcrop for a more favorable exposure of ore on which to work.

A very short inspection of the Antelope Mine was made. The references in Lincoln cover the district and mine very well. The discovery of very rich silver ore at the outcrop resulted in several options and sinking of a shaft on about 40° dip on the vein to water level and very limited drifting. Excellent mining people would have optioned it during high silver prices but the owner's terms were considered too high. The last parties to option it, placed a fair small surface equipment on it but lacked capital for development. The vein is well defined and merits development work but the ore besides Silver-Gold contains Copper and Lead, thus complicating the metallurgical treatments.

GOLDFIELD

May 24 we spent in Goldfield, and inspected several operations, the principal one being that of the Pittsburgh-Goldfield, some miles out in the southeast end of the district. Mr. Corrin Barnes, General Manager, drove us out, and showed us through the very new and modern deep shaft hoisting plant.

At a depth of 500', they are crosscutting the country to the east. Recently the work has been reduced to one shift. As yet no ore body of any importance has been intersected, however, several veins of black quartz intersected, showing low gold values with high spots - some drifting on veins now in mixed oxidized sulphide zone. Later started sinking to 1000 ft. - little or no work since.