

REPORT ON T. VINCENT'S IMPERIAL MINE, FORESTER.

This Mine is situated on former lease 201P/M of 5 acres at the eastern end of the Forester Goldfields, and 56 chains east of the Linton P.A. Mine. Major Vincent holds a Permit to enter over Lot 6 which includes the former lease.

A few shafts and trenches were excavated about ten years ago and revealed a quartz reef, but the principal workings were carried out by the Imperial Gold Mining Co. during the past year.

The workings consist of three shallow shafts and several trenches along and across the reef. At the western end, the trenches show 4"-6" quartz dipping south at 75° . About 25 feet along to the east, a shaft was sunk on the reef to a depth of 15' -20', while 20' further east a similar shaft was sunk. These shafts contained water and could not be inspected. It was stated that the reef was stoped westerly from the latter shaft for a length of 35' and a depth of 12'. Two crushings of ten tons were taken out, and are stated to have yielded 10 ozs. 3 dwts. and 5 ozs 7 dwts. of gold respectively. It is also stated that the width ranged up to 15" and averaged 9".

About 16 feet further east an old shaft, 8' deep was sunk on the reef. Two trenches from the reef to extend 26 feet further east. In the most eastern one another reef exists on the northern side and junctions one in the above workings. The trench shows 6" of quartz which dips at 80° to the north, which is in the opposite direction to the main reef.

These workings prove that the reef extends along a length of 90 feet with a strike of 60° and a high dip to the south. To the west of the above workings several trenches have been cut, but did not expose the reef, but it has been located further to the east, although what is probably a parallel reef has been cut in an old shaft.

In order to test the reef at the depth, an adit was started at the south of the reef and driven in a north-westerly direction for 156 feet. The first 120-130 feet being an approach and in gravelly clay, and the last 20-30 feet in weathered sandstones. About 20 feet further driving as required to intersect the reef below the trench in which the second reefs junctions with it.

This adit will cut the reef at a depth of about 20 feet below the shaft washings. Deeper workings will involve long adits or deeper shafts.

The workings have thus exposed a reef along a length of 90 feet while a trench further east suggest an extension to 200 feet. The reef dips south 75° to 80° and it stated to range in width up to 15", but the average appears to be 6 to 9 inches. The two crushings gave an average gold content of 15 dwts. per ton.

(Signed) P.B. Nye.
GOVERNMENT GEOLOGIST.