

E X T R A C T.

146

From Geological Survey Bulletin No. 14, "The Middlesex and Mount Claude Mining Field", by W.H. Twelvetrees, -- 1913.

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(4) - The Thistle Mine: Section 2444-M, 40 acres (J. CROSSLEY AND G.M. DAY).

This old mine is situated on the northern fall of the Five Mile Rise, three-quarters of a mile south-west from the Lorinna bridge. The country rock is the usual pipe-stem sandstone or quartzite, with occasional layers of shale.

The section was pegged for gold for 20 years. The lode was discovered by the Campbell Brothers. In the workings as at present exposed a vein of galena about 3 inches wide traverses sandstone country in a direction north 10 degrees west. It consists of clean cubical ore, which has been assayed for 75 per cent. lead and 20 ounces silver per ton. A picked sample taken by the writer was assayed by Mr. W.F. Ward, Government Analyst, and returned 70 per cent, lead, 26 oz. 16 dwrt. silver, and 19 dwt. 14 gr. gold per ton.

No galena appears ever to have been taken away from the mine. The gold which led to the doing of the work here was found at surface and within a few feet of the surface, facing the stone, which is often coated with recrystallised silica. The gold, it is said, could be washed off the joint-faces.

About 40 feet east from this vein is a veinlet, 1 inch wide, consisting of cubical galena and a little dark zinc blende, exposed in a deep cut. Another small vein exists still further east, composed chiefly of zinc blende invaghy quartz with cubical white pyrite. Stone from the tip, on being panned off, showed a tail of fine gold.

A crosscut adit has been driven south-south-west to intersect the lode, and the latter was then followed for about 100 feet north-west. No vein is showing in the end of this.

The country is flat on the spur, and it is very difficult to get back. The mine is a galena proposition, but unfortunately the veins

are small. We have here an illustration of the connection which obviously exists between the occurrence of gold on the Rise and veins of sulphide ore.

(Typed, Mines Department)
(4th February. 1924)