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A R E P O R T  
on the  
L I T T L E N E G R O C L A I M.  
LAKE COUNTY, COLO.

by  
GEO. J. BANCROFT, M. E.

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Denver, Colo., October 24, 1916.

LOCATION.

The Little Negro patented claim is on Bruce Hill, Leadville District and lies a little east of the celebrated Little Jonny belt of veins.

This belt has produced about \$50,000,000.00. The productive area is about 3000 feet long. It is partially worked out to a depth of 600 feet and there are some workings 1200 feet deep.

WORKING CONDITIONS.

It is not necessary to review the working conditions of this locality, sufficient to say that experience has shown that it costs about \$5.00 per ton to mine a ton of ore in a well equipped producing mine on one of the strong veins. Leadville being an old established camp it has all necessary facilities for mining.

DEVELOPMENTS.

The Little Negro claim has been developed by two shafts and some drifts and crosscuts as shown on the map. The new shaft is about <sup>208.6</sup>~~270~~ feet deep. These workings have developed no workable ore but they have exposed a small vein that carries quite good values (as shown by the accompanying list of assays). For 220 feet this vein averages 2 1/2 inches wide and \$28.34 in value. It is impossible to work such a narrow vein at a profit, but there may be wider places in the vein and the presence of good values makes this vein a fairly good prospect.

In driving a drift the ore is inevitably mixed up with the barren rock by the force of the shots and only the larger pieces are saved. There was stored near the powder magazine several candle boxes full of ore at the time of my visit. This small amount is not worth shipping by itself but it was evidently laid to one side in anticipation of finding enough to make a shipment.

Mr. John Cortellini, the manager of the lease on this ground is now preparing to both sink and upraise on this little vein in hopes of finding a workable ore body.

On the first level there is a very wide place in this vein, but it carries hardly any values at all. I suggested to Mr. Cortellini that he drive the 3rd level north under this wide place on the chance that there may be good values on that level and he said he would do it.

There is an old shaft on the east end of the Little Negro claim. This shaft is caved in. Judging from the dump it was over 100 feet deep. The dump indicated that the shaft had gone down in a wide zone of partially mineralized porphyry. There were little pieces of iron oxide scattered all through the dump. I gathered up a sample of these pieces of iron and assayed it, but found only 36 cents in value.

South of the east end line of the Little Negro and distant about 1200 feet are the workings of the Elva-Alma. This mine has shipped some ore. The workings are caved in but judging from the sides of the several shafts the vein would go east of the east end of the Little Negro. I found this to be the opinion of local citizens also.

All the valuable veins on Breece Hill trend about north 20° east.

The really big prospect for Little Negro ground consists in the variable dip of the Little Jonny veins and the chance that one or both may pass under Little Negro ground at depth.

There are two veins in the Little Jonny. They are known as the West vein and the East vein or as the Jonny vein and the Garbut vein. They are veins in a porphyry dike or batholith. Outside the porphyry the veins amount to little. They probably dip with the dip of the dike. For the first six hundred feet they dip to the west getting farther away from Little Negro ground. Then the Garbut vein changes its dip and dips strongly to the east, so much so in fact that