

done on this property, a shaft 150 feet having been sunk along a smooth wall with some ore present. At the 100-foot level a drift has been driven over 100 feet east and 110 feet west (July), showing more or less ore, dip 60° north. From the shaft a crosscut has been driven 285 feet north through the diorite, intersecting at 110 feet a shute of ore, which, in a stope 25 feet high, is 2 to 3 feet wide, of solid sulphides, consisting of pyrrhotite and copper pyrites, stated to be of high grade. This ore is also found scattered through this rock or gangue, and over a hundred tons are on the dump, awaiting better shipping facilities, as the line of Railroad is surveyed to cross the claim near the shaft that will give easy access to the smelters. The crosscut will connect with the air-shaft, which is now being sunk near where on the surface some ore is showing, and, after further development work proves up the value of the claim, a large and complete hoisting plant will be installed, the present plant—a 12-horse power boiler, blower, and a Kuowie's sinking pump—being sufficient for the present exploratory work. Number of men employed, 22. In Centro Star Gulch a shaft is being sunk on a vein that out-crops there, and ore is being taken out.

CITY OF SPOKANE.

Altitude 3,900; area, 20½ acres; title, Crown Grant. Location, on the west slope of Monte Cristo Mountain, and east slope of Red Mountain, north of the "Iron Mask," and half mile north of Rossland. Owner, the Lillooet, Fraser River and Cariboo Gold Fields Company, Limited. Managing director, F. S. Barnard, Vancouver, B. C.; Secretary, E. A. Bennett, London, England; Superintendent, D. McGuire, Rossland. On this claim a prospect shaft having disclosed the presence of ore, a tunnel 6x5 by 6½ feet in the clear is now being run easterly from a point near the centre of the claim, just above the road, and on a level with the tramway, 500 to 600 feet distant, and in the face of the tunnel, 85 feet, in is a width of nearly 3 feet of solid pyrrhotite and iron pyrites, carrying some copper pyrites and gold, while on the north side more or less ore is seen for 15 feet back, the average value of which has not yet been determined (July 13). An air compressor plant, a 3-drill, 12x16 "Rand," bought of Fraser and Chalmers, Chicago, and one 45-horse power boiler, will soon be installed at the mouth of the tunnel, which will then be rushed ahead vigorously to exploit this property, to determine the extent and grade of the gold ore now showing; and if favourable results are obtained, a proper working shaft will be sunk, while transportation facilities, as shown above, will be excellent. A small stream of water close by will supply the compressor and boiler, while there is considerable wood suitable for fuel, but limited in amount for mine purposes on the property. So far, three houses for the men and superintendent have been erected. Number of men employed, 18.

RED MOUNTAIN.

Title, Crown grant, applied for. Location, south of Cliff Mine, and west of the City of Spokane. Owned by the Red Mountain Mining Company. Secretary, F. Lewis Clark, Spokane. Capital stock, 1,000,000 shares of \$1 each. Superintendent, B. Young, Rossland. Work is being now done on a fissure, along which at the surface as much as 3 to 4 feet of low grade pyrrhotite with some copper pyrites and sulphides have been found. A working shaft, 20 feet deep at time of visit, is being sunk, while about 350 feet east a tunnel 85 feet in length is cross-cutting the country rock in search of the ledge that shows immediately above on the hill. Number of men, 10. Foreman, D. W. Peoples.

CLIFF

Area, 15.7 acres. Title, Crown grant. Location, east slope of Red Mountain, one mile north of Rossland. Owned by S. M. Wharton, Geo. C. Wharton, Jno. R. Cook, *et al*, Spokane. Gen. Manager, S. M. Wharton. The well-defined lead on this claim is believed to run through the St. Elmo Consolidated, St. Elmo and the Monte Cristo. About the centre of the claim is a 45-foot shaft, full of water, with several tons of ore at the top, and below in the hillside several open cuts along the ledge from which there has been taken high grade ore. The lead can be easily traced through the claim, but the faults met with in the underground workings show plainly at the surface. In a tunnel 350 feet long, with 100 feet of cross-cuts, there is for the first 90 feet solid ore, low grade, averaging 4 feet wide, then a slip throws the ore 20 feet to the north-west, the shute then continuing for 65 feet, beyond which it is much broken up and a small stringer of ore 2 to 10 inches wide is found running east and west. One hundred feet lower down is tunnel No. 2, now being driven ahead with a machine drill. For 65 feet the tunnel is all in the coarse grained pyrrhotite that assays a few dollars in gold, with