

FAVORABLE NEWS FROM BLACK BUTTE PLACERS

Big Proposition Being Operated in Connection With The Companys Quartz Holdings.

O. C. Wright, manager of the Black Butte, returned last night from a stay of several days at this property, looking after the company's placer interests mainly. The Black Butte company has a big placer proposition adjoining its quartz holdings, and lying between Black Butte and East creeks, immediately north. Piping, Manager Wright says, is in full swing, night and day shifts being worked and a good clean up expected. A 1,300 foot race is now ready to clean up, but will probably not be touched until the supply of water begins to lessen.

Midway between these two creeks, which now furnish the water, is a slight hogback and it is the purpose of Manager Wright to open up a bed rock race in the center of this and pipe from the adjacent water sources. Work has already been started on the lower end of this proposed race. The ground has been prospected, Mr. Wright says, 300 by 1,800 feet, with good pay for this entire area. One pan yielded thirty cents, a day or so before he arrived at the property.

In addition to the creeks mentioned there are two or three others which can be easily tapped, insuring a water supply easily from frost to frost.

These placers have been worked for the last twenty one years, without a season having been missed, and have yielded large returns. On Black Butte creek Mr. Wright has checked up \$22,000, and \$200,000 on East creek from past operations.

Bed rock is from eight to twenty feet deep. The situation is one which makes placer work comparatively easy, and there is enough ground unmoved to guarantee pay for years and years to come. Mr. Wright says it is the intention to pipe off the entire hill to which reference has been made. Another giant has been added.

Regarding the quartz property, Manager Wright says that work will be resumed there in a very short time. The 850-foot depth capacity hoist is now at Whitney and the contract for removing it to the mine will be let at once. It will be installed soon and general work started up.

BILLS AND LIENS WILL SOON BE PAID

Mayor McColloch returned last evening from the Red Boy district, where he went to measure the work done on claims there owned by the United Exploration company, which is operating now all of W. E. Hurd's properties.

As stated in The Miner some weeks since, this company sent the money to its foreman, Muir, with which to pay off all of its indebtedness in Oregon. Instead of paying these debts, he took what he claimed to be due him for wages, at the rate of \$350 a month, returned the remainder to the company at Boston and left the state. He has been discharged.

Men who had been doing work on contracts for the company on the various properties, filed liens. Mayor McColloch has been retained as attorney by the Exploration company, to inspect the work, audit the bills and promises to forward the money as soon as his report is received.

Don't Go to St. Louis

Till you call at or write to the Chicago, Milwaukee and St. Paul railroad. Office 134 Third Street, Portland, Oregon. Low rates to all points East, in connection with all continentals.

W. S. ROWE, General Agent,
Portland, Oregon.

GOOD AVERAGE AT THE VALLEY QUEEN

Tom C. Gray, superintendent, of the Valley Queen, came in Saturday from the mine with a line of samples from the face of No. 3 drift, which, assayed by McEwen, Arthur & McEwen, averaged \$25.35 in gold.

Work is being concentrated, Mr. Gray says, on the No. 3 drift, south of the main crosscut. The vein shows four or five exceedingly rich stringers, from which these samples were taken. The entire width of vein matter, Mr. Gray says, measures something over six feet.

GARNISHMENT PAPERS IN BALD MOUNTAIN AND MAMMOTH CASE

Jesse Snow, deputy sheriff, was here today to serve garnishment papers on the Bank of Sumpter to secure money deposited by the Bald Mountain and Mammoth for eastern creditors.

The sale of these properties, as previously mentioned, takes place May 28, on the premises, the Bald Mountain at 10 a. m. and the Mammoth at 2 p. m.

SOON TO START PIPING AT BROWN BEAR PLACERS

Tom Brown came in yesterday from the Brown Bear placers on East Eagle, in which he and Jack Hazle-

wood are jointly interested. At present Mr. Brown is digging a ditch from Brown Bear creek to the ground, a distance of about half a mile to the diggings, and will be ready for piping in about two weeks.

When this work is completed and operations started, another force will be started on a ditch from Dixie creek, a mile from Brown Bear creek, and paralleling it, to conduct the water into the latter and thus increase the supply.

WHAT GEOLOGICAL SURVEY HAS DONE

The members of the United States Geological Survey in Washington recently celebrated the quarter-centennial anniversary of its organization. The more important results achieved by the Survey during the twenty-five years of its existence are set forth in its recent bulletin (No. 227) entitled "The United States Geological Survey: Its Origin, Development, Organization, and Operations." This bulletin is intended for gratuitous distribution, and copies of it will be given away as souvenirs in connection with the Survey's exhibit at the Louisiana Purchase Exposition.

Since the establishment of the Survey a complete topographic map has been made of 929,850 square miles of the area of the United States. In other words, the Survey has finished the mapping, on more or less detailed scales, of 26 per cent of the area of the country, including Alaska, or 31 per cent excluding Alaska.

This great map of the United States, of which nearly one-third has been completed, is necessarily published in the form of an atlas. The portion completed consists of 1327 atlas sheets, printed in three colors from copper-plate engravings. The topographic maps of the Geological Survey have greatly expedited investigations made by the cities of their water supply and have been of the highest value to railway companies and state highway bureaus.

The geological mapping of the surface formations has been extended over about 171,000 square miles and 106 geologic folios have been published, while nearly an equal number are in various stages of preparation. Each of these folios presents a practically complete history of the topography, geology, and mineral resources of the area described. Coincident with the geologic work, important experiments and investiga-

tions relating to rocks have been made in the Survey's physical, chemical, and petriographic laboratories.

The Survey, through its hydrographic branch, including the reclamation service, has recorded, during the last fifteen years the maximum, minimum, and mean discharges of all the more important rivers, and for shorter periods the same facts concerning all the lesser tributaries of the many hundreds of streams in the United States. The physical characteristics of the river basins have been studied in respect to their forestation, soil-covering, etc., and a vast amount of data has been accumulated from which it is possible to estimate closely the volume or runoff of each of the streams. The development of the water powers of the country, especially in the southern states, has received a great impetus during the last few years through facts brought to light by the Survey's work.

The Survey, by its division of geography and forestry, has examined in detail 110,000 square miles and has made a classification of the lands as forested, grazing, desert, and arable. Final reports on the reserves have been prepared, which show the character and amount of the timber on each and furnish many other facts that will serve as a basis for the forest management of these properties.

Perhaps the immediate value to the people of the Survey's work is best shown by the aid it renders in developing the mineral resources and in forwarding important engineering projects. The investigations of the mining geology of Leadville has, for instance, guided exploration and secured economical mining in a district that has produced between \$200,000,000 and \$300,000,000. It has also taught the mining engineer and the miner the practical importance of geologically studying their work. The investigation of the origin and geologic relations of the Lake Superior iron ores and the publication of numerous reports on that region have directed the prospector in the discovery of deposits and have suggested to the miner the most economical methods of development. The result is that this region now leads the world in the production of iron ore. Detailed areal mapping and the determination of underground structure in the Appalachian coal fields are placing the development of its coal, petroleum, and gas resources upon a scientific basis and relieving these industries of a large part of the hazard and uncertainty which have always attended them; and the publication of reliable statistics of mineral production has furnished a sound commercial basis for all branches of the mineral industry.

WORTH READING

YOU CAN MAKE MONEY
IF YOU BUY THESE STOCKS

VALLEY QUEEN—PRICE 9 CENTS

Capital \$250,000. The Coming Great Mine of the Cable Cove District. Recent big strikes show values of over \$181 per ton. A sure Producer. An investment in Valley Queen will many times double your money. **Buy Now!**

BUCK HORN—PRICE 10 CENTS

Capital \$500,000. Will be a Greater Blue Bird. It has the ore bodies of this famous property. An investment in Buck Horn is like finding money. **Buy Now!**

Write today for Prospectus and full information. Mention No. 60 and we will mail you free six months the NORTH AMERICAN MINER

WHEELER & CO. Bankers 32 BROADWAY, N. Y.