



THE SUMPTER MINER

BIG LEDGE CROSSCUT AT THE SOUTH POLE.

Thirty Feet Between Walls, With Ore Shoot Seven Feet Wide, Carrying Highly Satisfactory Values.

The vein at the South Pole was crosscut Friday in the No. 3 level showing thirty feet between the walls with an ore shoot seven feet in width on the foot wall, carrying very satisfactory values. Manager W. W. Robbins returned from the property Monday. He states that work is progressing well. The assays from the vein promise that the ledge will prove in every equal in value productiveness and extent to the famous North Pole system on which the property is situated and of which it is a continuation. As soon as the snow is out of the way the force is to be increased and work started on the Yankee Jim claim, this side the summit of the North Pole mountain on the Cracker Creek slope.

Development is rapidly proceeding on the various levels. The No. 2 is now in 975 feet and the face of the drift is in good ore. The vein is being crosscut at several points on this level to determine the nature, strength and width of the shoots. In one crosscut recently completed in this level the vein was from thirty to thirty-five feet between the walls, with a body of high grade ore ranging from five to seven feet in width. The ore bodies usually lie along the walls.

The No. 1 level is still covered with snow, but it is to be opened up as soon as the snow gets out of the way and operations resumed at this point.

The No. 4 is a short crosscut started under the previous ownership for the purpose of determining the strike of the vein. A new survey will be necessary here, however, before work is resumed.

Since crosscutting the vein in the No. 3, the management will be enabled to make a new survey so the vein can be picked up further down the mountain, and to arrange for the permanent work on the 1,000 foot level. This will be the main working level of the mine, which owing to the dip of the vein will give between 1,200 and 1,300 feet of

backs. The company will probably be ready to lay its plans for an extensive milling and treating plant by the end of the season, or possibly sooner. It is not the purpose of the management, however, to rush into an expensive plant prematurely. The first object is to get the permanent workings established, the veins crosscut and the ore bodies thoroughly explored, before a mill is installed. The mill depends upon the progress of the development work, but it is now thought the property will be sufficiently developed to warrant its erection by early fall.

The promise which the South Pole holds out of becoming one of the big producers of the district, exists in the fact that it has been absolutely demonstrated that it has the same vein on which such other big mines as the North Pole, E. and E., Golconda and Columbia are situated, the Cracker Creek mother lode, well known to be one of the richest and most extensive vein systems in the world. The point of development and operation reached by the other mines on this ledge has established beyond question its character and richness. Taking the South Pole claims in order as they leave the North Pole ground, there are the Yankee Jim, the Oregon Clipper, the Deer Lodge and Raley, where the vein averages from thirty to forty feet with from five to twelve feet of high grade shoots, carrying the same character of ore and found in the same formation as in the instance of the North Pole.

SMELTER TO TEST MACHINERY.

Survey for Siding to be Made at Once and Track Built.

The smelter will turn on steam in a few days to move the wheels for the purpose of testing the machinery. The plant is now completed and ready for operation.

The only thing that is lacking

toward blowing in and starting actual smelting work is a siding to provide for ore consignments. It is understood that a survey is to be made in a short time for the siding and that it is to be built at once.

THE BIG PRODUCER CROSSCUT, Formation Looks as if it Were Nearing Vein.

Superintendent Chambers, of the Big Producer in the Alamo district is working a strong force of men on the crosscut tunnel. The crosscut will tap two or three veins, and from the looks of the formation, it is stated, in the present workings, it is nearing the first vein.

The Big Producer group joins the Orofino, and holds out the promise of justifying the name it bears.

Relief Maps for Eastern Offices.

The Killen, Warner, Stewart company is supplying its eastern offices with papier-mache relief maps of the Cracker Creek district, made by A. D. Whittier. Mr. Whittier is furnishing these maps to the different mining firms for advertising purposes.

HIGH AVERAGES AT GOLCONDA.

Rich Ore Shoot Shows Phenomenal Values and Continues to Improve.

A telephone message from Manager Howard at the Golconda today states that the ore shoot entered three or four days ago continues to yield high averages. The shoot was encountered on the 150 foot level and has now been entered some twenty feet. From assays taken across the top and bottom of the drift every day since the strike was made an average of \$45 has been obtained, the highest going considerably over \$100.

The three assays today across seven feet, four inches ran exceptionally high, and considered alone would place the general average much higher. There are apparently good indications that the ore is getting better as the drift advances.

The 100 foot above while not in such rich ore, is also revealing good values. Here on a six foot shoot averages of over \$25 have been obtained.

General satisfaction is expressed among Golconda people over the good work being done at the property and there is a feeling that the Golconda is rapidly approaching the class of big producers if not already in it.

RICH ORE BODY AT HIGHLAND.

Details of Strike Mentioned Last Week Set Forth.

THREE FOOT SHOOT.

Will Give Large Area of Stopping Ground When Drift Reaches Point Under Bannock Burn Tunnel—Block Will Contain Thousands of Dollars—Property Greatly Enhanced in Value—Stock to be Advanced.

In last week's Miner the announcement was made that a rich ore body had been encountered in the Glasgow crosscut of the Highland mine, but details in full could not be obtained before going to press.

This news was verified this week by the firm handling the stock of the Highland Gold Mines company here. The ore encountered is about thirty feet west of the crosscut and at the time of the visit of the President of the company, there were three feet of solid quartz in the face of the drift, showing the same high grade of ore that was encountered in the tunnel known as the Bannock Burn and which is 150 feet further to the west from this crosscut and in the Bannock Burn tunnel.

The theory of the Superintendent of the Highland mine is that this is the encountering of the east end of the Bannock Burn shoot which showed so strongly on the surface and which carried such exceptionally high values. By the time this drift reaches directly under the Bannock Burn tunnel it will be 100 feet deeper, consequently this will give a large area of stopping ground and this block of ore should contain many thousands of dollars.

The finding of this rich ore at this depth makes a vast difference to the Highland property as its workings so far have been mostly surface. It had not been fully demonstrated that the ore shoots went down to any great depth and it could not be positively stated that such was the case. The reason why it could be reasonably expected was that it has been invariably the case in the mines adjoining the Highland.

This is a further proof of the permanency and stability of the district, as all the mines have, so far, proved better, as depth was attained. A large amount of Highland ore is be-

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