

GOOD STRIKE OF MILLING ORE AT MAY QUEEN

**Body Already Measures Six Feet And Will
Probably Prove Much Larger
Than This.**

John Thomsen, manager of the May Queen, in the Red Boy district, who was in town today, reports a good strike at the property.

A six foot body of good milling ore has been encountered on the Red Boy extension drift, and the indications are that it may prove very much wider than this. There is an eighty-foot porphyry and quartzite dyke measuring about eighty feet making toward this drift at an angle something less than forty-five degrees. When the drift reached this point, the dyke made a square abutment against the vein, forming its hanging wall to the west. Now, it has been the theory of Manager Thomsen, based on the general characteristics, that good ore may be expected on the north side of these dykes. So the strike was no great surprise to him. The eighty-foot dyke hanging wall was passed and when the drift penetrated the ground immediately to the north, there the body of high grade milling ore was encountered. So far Mr. Thomsen says it measures six feet and slightly over, but its entire width is not known. It is extremely probable, he thinks, basing such conclusion on Red Boy development, that the body may

go as high as twenty feet. It's as pretty a variety of free milling quartz, Mr. Thomsen says, as he ever saw in his life.

The dyke was passed at a distance of about 500 feet from the portal of the drift, going north, where the depth is in the neighborhood of 250 feet. The dyke itself carries about twenty feet of porphyry and the rest of the eighty feet is quartzite. It stops short against the vein and forms the hanging wall for this distance. This strike was made on the Red Boy extension, or what has been clearly proven to be the Red Boy vein.

The previous work on this drift has shown a good body of free milling ore extending for a distance of forty feet. Beyond this, north in the direction of the dyke, was ore mainly of a low grade character. But the better ore was expected beyond the dyke, in conformity to an invariable rule of mineral occurrence in this district.

The May Queen is equipped with a ten stamp mill. This will be started. Mr. Thomsen says, as soon as the ore supply justifies it. His idea is to have enough ore in sight for continuous operation and this condition he thinks is rapidly being realized.

IMPROVEMENTS AT THE GOLCONDA MINE

The management of the Golconda is taking advantage of the temporary close down to look after general repair work, and needed improvements.

A new cage for shaft is being built, and the boilers are being rebricked and new fronts added, besides other overhauling. No definite information has been given out by Manager Howard in regard to the proposed cyanide plant, and it is not known when work will be started on this.

Cutting of Gem Stones.

In the cutting of gem stones the stones in the rough are soldered in a metal handle or cemented to a stick by means of wax or some other adhesive material, after which they are ground to a rounded symmetrical shape on a flat, revolving wheel, the abrasive, diamond dust, emery or ground corundum, being applied by means of water or oil. The wheels used are usually of iron or copper and at times wheels of wood are used. When the stone has received a general rounding, the cutting of facets, one at a time, is begun. That the exact angle at which each facet is to be cut is maintained, a clamp is pro-

vided above the wheel, in which is fastened the handle on which the gem is soldered. Through this the stone is held against the wheel at the desired angle until the facet is cut. After the stone has received by grinding the desired number of facets, the process of polishing is performed. This is accomplished in a similar way to the grinding except that softer abrasives, such as rough trololi or putty powder, and softer wheels are used, the abrasive being applied dry or moist to wheels of leather, felt or paper, against which the stone is pressed. The facets of diamonds are cut by rubbing together by hand two diamonds cemented on sticks. When the facets are outlined by this means they are ground and polished on wheels to which diamond dust is applied in the same process as in the polishing of other gem stones.—Exchange.

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