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M-58

Jan Claim

Docket No. 3-14 8274

Date Authorization for Exam. Recd. April 27, 1943

Date of Examination May 6, 1943

Date of Report.

1 Name & Address of Appl.

Name: Marcellus Grant Tarr

Address: Mammoth

Arizona

Correspondent Same

2 Character of Project

Development of ~~silver~~ copper-silver deposit.

3 Location of mine

The mine is located in the Old Hat Mining district in Pinal County, Arizona. The Town of Hayden is approximately 40 miles northerly by road from the mine. ~~The~~ 32 miles of the road from Hayden is hard surfaced county road without steep grades. The last 8 miles of road is sandy and rough in spots but fairly level. ~~Hayden smelter~~

4 Applicant

The applicant is an elderly man who has ~~been a practical miner~~ for 50 years. ~~At one time he held the world championship record for hand drilling.~~ During his younger days he acted as underground boss and foreman in many of the well known mines of Arizona ~~the state~~. At one time he held the championship record for hand drilling. Although now quite advanced in age he is still active and ~~well~~ able competent to efficiently handle a mine development job.

5 Loan Requested

$5000

6 Description of Project

A General Features

1. There are no mine workings, mill or other appurtenances not confined within the applicant's ownership.
2. The project would comply with State compensation and safety-first statutes.
3. There are no apparent legal discrepancies in the project.
4. There are no impeded right-of-way facilities.
5. There is no likelihood of surface or

subsurface trespass during the project.

B. Existing Development

1. Mine is opened by a shaft.
   a. The sketch accompanying this report is made from a tape and compass survey of the workings.
   b. Samples were cut with pick and mail and collected on canvas.
   c. The mine was accessible and in good condition.

   d. General Features etc.

The property consists of one unpatented claim owned by the applicant. It is located on a gently sloping hillside in a region of low hills. The country rock is andesite which is cut by numerous narrow fissure/fracture veins many of which contain oxidized copper mineralization. Several of these fracture veins traverse the property of the applicant and one of the largest of these is being developed by him and is made the subject of his application for a loan. This work on this vein consists of a shaft 33 feet deep and a number of shallow pits and surface scratches on the vein strike within a distance of 100 feet

on either side of the shaft. The vein in the shaft ~~shows a~~ varies in width from a thin seam to ~~a width of~~ 18" of ~~replaced wall rock~~ mineralized material, generally ~~in~~ the foot wall side of the fracture. Samples No 1 and 2 were taken across the mineralized width ~~of the~~ in the bottom of the shaft on each end. Sample No. 3 was cut across a ~~better than average small lens of~~ small lens about 6 feet above sample No. 2. The mineralization in the shaft ~~is all carb~~ above these points is irregular ~~and varying from material from brown to about 2 feet of copp malachite ore just~~ varying from a barren fracture to 24" of fair malachite ore. The average of the three samples, or around 13" of 3% Copper, is about the average of the ~~sho~~ material in place in this showing. It is possible by close sorting to bring the material up to a grade of around 10 oz Ag and 12% Cu as attested by the settlement sheet covering 4½ tons ~~recently~~ shipped from this opening. There is about 1½ tons of ~~the~~ material of this grade lying on the dump.

The best appraisal of the worth of the showing can be had by balancing the tonnage of sorted ore ~~(4½ + 1½)~~ against the total amount of material removed from the shaft and when this is done it will be seen that somewhat over 100 tons of material was handled to produce 6½ tons of a shipping product

of the grade ~~such as that~~ shown by the settlement sheet. ~~This indicates a~~ The ratio ~~of~~ is ~~more than~~ nearly ~~about~~ 15 to 1 and indicates that ~~the~~ without ~~a~~ very great improvement ~~the~~ in the course of development, the operation would not be economical.

Some ~~older~~ work was done many years ago in a cut and tunnel on the south end of the claim and ~~[illegible]~~ a small quantity of ore was removed. The applicant ~~says~~ states that he shipped about 10 tons of closely sorted ore from here that ~~assayed 25% Cu after close~~ assayed around 25% Copper. The work is on a fracture similar to that in the center of the claim and it is said that the ~~vein is the same in both~~ two ~~pieces of work~~ workings are on the same vein. This seems doubtful however because of a lack of continuity of traceable outcrops between the two, and because ~~there is~~ of a a fairly wide divergence in the vein strikes.

Proposed Work

The applicant proposes to sink the shaft to ~~a~~ 100 Ft. level and drift on the vein at that depth.

Comments of Sup. Eng.

(1) ~~The~~ small production has been made from many surface showings in the immediate neighborhood. The amount shipped has ~~been~~ ranged from a few hundred pounds ~~to~~ several tons ~~and~~ but no ore body of any size has been uncovered. The Pearl mine, owned by the applicant and situated some 3 or 4 miles west from here, has produced copper ore valued in excess of $60,000 but the vein is larger than any noted in the immediate vicinity of the subject property.

Comments of Supervising Engineer

The ore showings on the property and in the immediate neighborhood are very small and irregular and ~~then do not justify further belief that~~ indications which would justify the expectation that further development would result ~~in the ultimate~~ in the production of substantial amounts of copper.

A development loan is not recommended.

T. S. L.

Truly

I am enclosing my Supervising Engineers Report under the above captioned docket, together with a ~~loan~~ copy of a loan application.

Enclosures

1 loan application w/ supporting data.
Supervising Engineers Report
Sketch
Assay Certificate.