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REPORT ON THE EXCURSION GROUP

LOCATION: The property consists of six mining claims, one of which is a fraction and another a patented claim, together with a millsite with water, all about six miles in a southwesterly direction from the Town of Payson, Gila county, Arizona, in the Green Valley Mining District.

ELEVATION of 3800 feet in this district insures excellent climatic conditions for all year operation.

GEOLOGY; The country rock is a deeply eroded Pre-Cambrian igneous complex of granitic rocks, schist, intrusive dykes and masses of diorite. The fissure that the Excursion vein fills is on the contact of a diorite-porphry and granite. Its strike is northwest to the southeast and its dip is about 65 deg. north to the 100' level where it straightens to about 70 deg. The fissure filling is a dark colored cellular quartz carrying hematite, limonite, manganese and a very little chalcopryrite. The cavities in the quartz were presumably filled with pyrite, which will probably be found below the zone of oxidation at the permanent water level.

DEVELOPMENT There has been but little activity in the district since the eighties. At that time a 150' incline shaft was sunk on the vein to the then water level which has since receded about 40 ft. as shown by other workings in the district. From the 100' level drifts were run 50' east following the vein and 75 ft. west following the vein. All this workings has been reopened at 100' level and the vein has widened from 3 1/2' at the surface to 6' on the 100' level. 50' west of the main shaft a 25' winze was sunk on the vein and bottomed in 42 inches of ore. Numerous cuts on the surface following the vein as well as outcrops prove the existance of ore for a distance of 900' and of an average of 3'. The original owners unable to treat the ore by the then known methods were compelled to cease development.

ROADS There is a county road from Payson to within two miles of the property and a private road from the County road passes through the property about 400' from the main shaft. This road intersects the county highway at the bottom of Oxbow Hill eliminating a 2000' lift and a 1500' drop as well as 6 miles distance between Globe or Phoenix and the mine.

VALUES: The dump at the main shaft is estimated to contain 400 tons a considerable percentage of which is wall rock. Two large samples taken to determine the value of the dump (no waste being sorted out) One of 4 1/2 tons milled in the Harrison mill yielded \$8.40 per ton gold. The other sample of 10 tons milled in the Zulu mill and it yielded \$8.05 per ton gold. 17 tons mined to be as representative as possible of the ore in the two shafts, drifts and surface cuts yielded \$17.50 per ton gold. A small shipment (5 1/2 tons) of sorted ore was sent to the United Verde Ex. Smelter at Clemenceau, Arizona, the settlement was 1.48 oz. gold per ton or a value of \$51.60 per ton gold and a very little silver.

FLOW SHEET; The results of the mill samples indicate that the best method of treatment is to reduce to 60 mesh, float and cyanide the concentrates.

GENERAL; A dyke on the east end of the property brings the subterranean waters to the surface consequently a sump sunk on the upper side of the dyke will give all the water necessary for mining purposes when used in

by S. h. C. after
NOTES FROM CONFERENCE WITH TAYLOR, FLAGG, AND HERSHEY
4/6/36

The present road to the claims is pretty bad and one would have to camp out on the ground if staying over night or else drive to Payson.

One can go about 35' down the shaft on the ladders and then would have to use a rope to get down to the 100' level where there is a bulkhead. Hanging wall of shaft is bad and rock and timbers have fallen down in places.

The surface of the vein can be sampled at intervals for a length of 900' and the average width of the vein at the points where it is exposed is close to 6'. In this is found a high grade stringer $\frac{1}{2}$ " to 18" wide and averaging close to 6", which will carry from 1.36 oz. to 4.48 oz. gold.

Vein is hard and would have to be sampled with single jack and moils. Country is granitic rock and diorite in places.

Value can be concentrated by flotation. Some samples show a little copper but most of them carry none of this metal.

There are a number of other veins which tend to converge and an adit tunnel from the gulch would cut these and good ore might be found at their intersections.

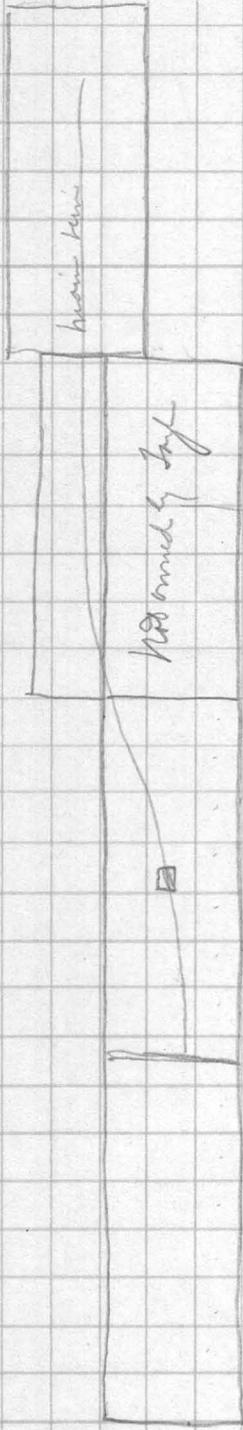
If property were taken over after sampling it would first be essential to build a good road and some camp buildings, put in compressor, hoist, etc. and probably spend \$10,000 underground before the ore showings would justify a mill. Total expense involved would be about \$20,000 plus cost of mill etc. later.

Later note

Hershey & his engineer Harding visited property and were unable to get down the shaft which was ^{partly} cored & blocked by rubble. Their general opinion was ^{poor} unfavorable & showing did not appear attractive.

Value seem to be confined to narrow stringer & pocket

Excursion Clavis



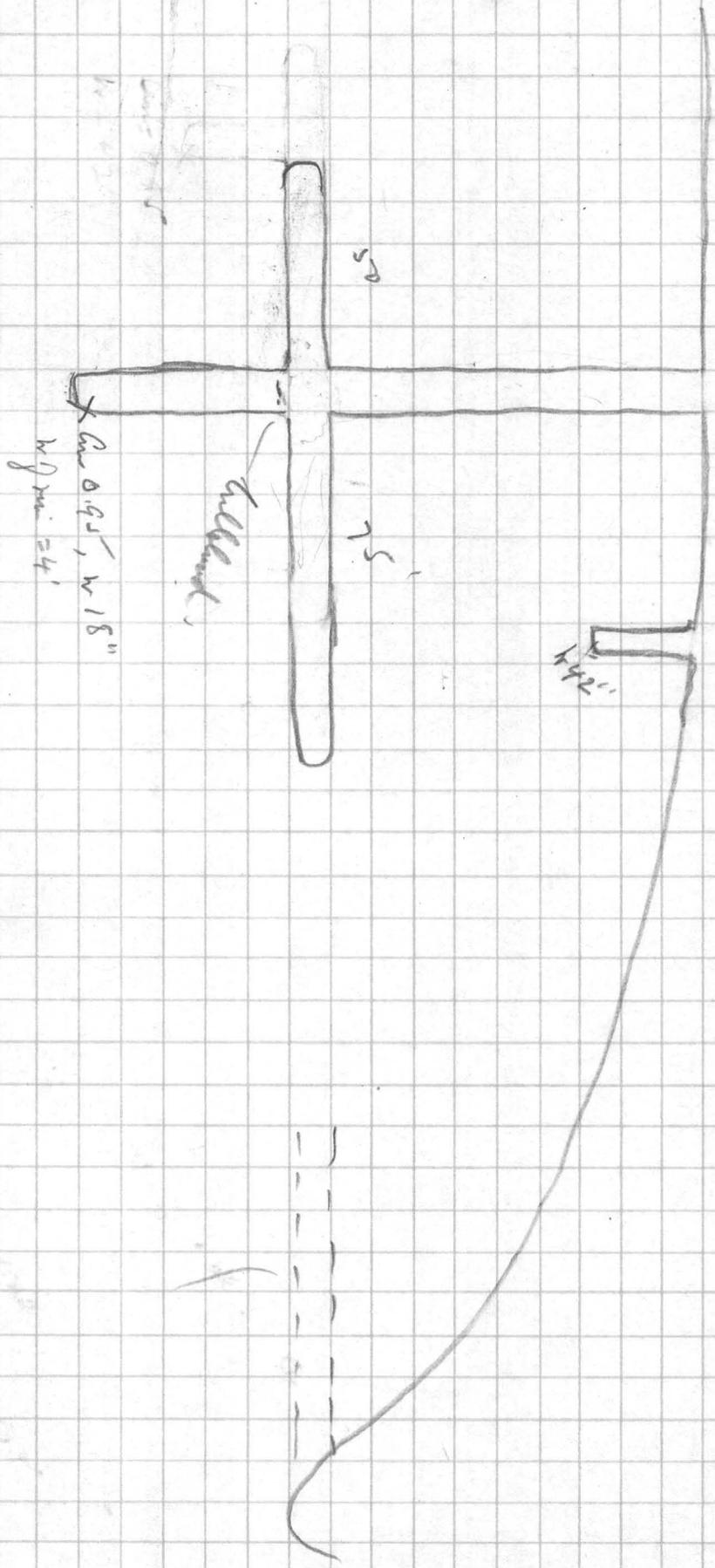
Some small fragments
on long back of spine.

NET ←

Incl slope
of 65° of hor.

900'

Specimens mine near Cox Farm.



Scale of benching 19 = 10'

Estimate 3330 t @ 17.50 p.h.t.

Crane height of mine = 3'