

4790 0009

(176)
Item 9

March 23rd., 1941.

F A Brendel
Las Vegas, Nevada.
Dear Sir:-

Following is a brief report on the Schofield Tungsten property in a North Westerly direction of Hiko Nevada and approximately 80 miles west of Caliente. There is a good auto road leading directly onto the property. I left Las Vegas in the morning and was able to spend 4 hours on the property and get back to Las Vegas that same day.

The elevation is around 5000 feet above sea level and the snow is usually gone by March 10th. The area is more or less timbered with a growth of mountain Cedar. I spent most of my time on one small area altho there are some 53 mining lode claims in the group.

The ore is developed along a schist contact running approximately north and south. The gouge contact between the ore and the schist is about 4 feet in thickness and looked like good milling ore and quite soft. I took #1 sample in this gouge about four feet below surface and it assayed 1.8% WO₃ per ton or a value of \$42.20 per ton. The values all lie in sheelite. At this point considerable open cut work had been done down to a depth of 15 feet below surface and the ore bin was filled with broken ore. A Sample taken from this bin #5 gave 1.2 WO₃ or a value of \$32.80 per ton. I did not take any samples from the open cut as the rock was too hard to even break off a piece with the tools I had to work with.

2 sample was taken in a trench about 300 feet north of this open cut. The trench was at right angles to the contact and the samples were taken about 3 feet below surface. This sample was 20 feet in length and assayed 2.2% WO₃ with a value of \$52.80 per ton. # 3 sample was 20 feet in length and adjacent to # 2 and assayed 4.6% or a value of \$110.40 per ton. I was rather surprised at the results as I felt that they would be the lowest of all samples taken. They should be rechecked.

I sampled some good looking outcrop about half way between where sample # 1 was taken and #2. I sampled or broke off pieces for about 5 feet in width and gave 1.4% WO₃ with a value of \$33.60 per ton.

Approximately 800 feet to the south from where sample # 1 was taken they have done considerable work and I was not able to cover it all on account of snow at the time. I took a 7 foot breast sample in the one tunnel near the contact and it ran .60% WO₃ with a value of \$14.40 per ton. This was sample #6.

*done
breast sample*

Just north from where this sample was taken they have a 15 foot winze down near the contact from the bottom of a shallow tunnel. A picked sample # 7 gave 1.6 W03 with a value of \$58.40 per ton. This ore really looked the best of any of the ore and had all the appearances of being high grade.

The ore is sheelite and very massive in character and the closer it is to the contact the higher grade it should be. A large portion of it is so hard and dense that it was impossible for me to get a sample at all. For that reason my samples except where it was soft like in the gouge I do not believe are average samples. I feel that it will take 9 cubic feet to make one ton of ore in place.

The mineralization is about 60 feet in width from the footwall so far as I could see but am told it extends out to 125 feet in width in places. From appearances would say that the commercial ore would be confined far closer to the contact. The nearer the contact the better the grade of ore. The ore carries considerable pyrite and some sphalerite (zinc) but believe the zinc will disappear with depth.

If more exploration were needed after a more thorough sampling would say that a tunnel of about 300 feet in length would cut the ore body some 200 feet in depth. Or it could be better carried out by diamond drilling as the rock is such that it can be diamond drilled. I would say that it would not require more than 1000 linear feet of drilling to prove enough ore to warrant a mill. The cost for drilling would approximate \$3.20 per foot.

If the sampling proves that commercial ore extends out to 60 feet or so in width the early mining could be carried on by use of a 3/4 yard power shovel. It is necessary to haul the crude ore some 7 miles down hill to the flat where plenty of water is available. The adjacent company are mining and hauling their ore down to a plant. The plant is not up to date and they are making only a 65% recovery by use of tables. They produce over 5 tons of concentrates per week which assays over 65% W03 and they haul directly to Los Angeles by truck and receive \$24.00 per unit or \$1,560.00 per ton for 65% W03. They do not run under a \$50,000 production per month.

The Scheffeld people have a small mill near the above mill and have run some ore through it but it is made up of second hand material and is broke down most of the time. I took a sample of their product but have not received the assay at the time of this writing but will send it to you later on.

I would say that a 90% recovery could be made on this ore with an up to date oil flotation unit. Tables could be used for the bulk of the recovery and then fine grind the tailings and run through a flotation plant and perhaps make better than a 90% recovery.

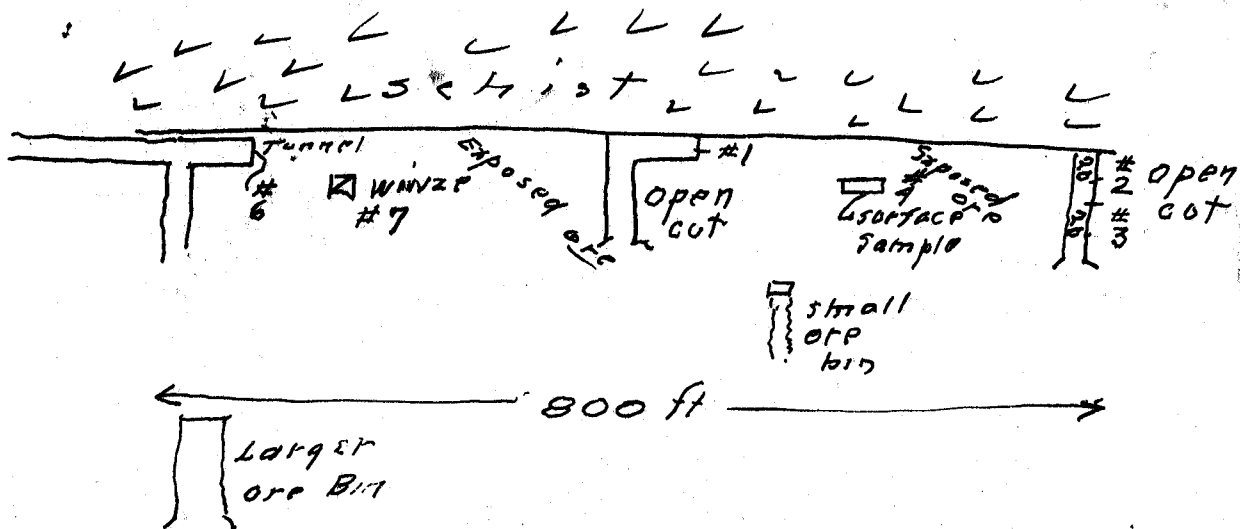
The so called flat where the mills are located is an old lake bed and ample water is obtained by drilling shallow wells. I believe the Schofield well is less than 100 feet in depth.

It would be well to get an option on the property and follow it up with a thorough sampling. The samples could be sent to two different assayers so as to have some checks on a few of the samples. There is a camp at both the mill and at the tunnel. If drilling was required it would take a bout 30 days time to do it. There is a good drilling company at Salt Lake City who have drilled through out the west for years.

The property is the best tungsten property that I have ever been on. In fact, it is the first that I could recommend of the several I have seen. It has the ear marks of having a large tonnage. I do not know what it will do with depth.

Yours sincerely,

Frank A. Kennedy



GEM STATE ASSAY OFFICE

H. W. BROSE, Manager
BOISE, IDAHO

ASSAY CERTIFICATE

I hereby certify that the following is a true and correct assay and analysis of the
samples submitted by Mr. Frank A. Kennedy

on March 21st, 1941

Sample No.	Gold Oz.	Gold Value	Silver Oz.	Silver Value	Copper %	Lead %	Zinc %	Remarks
	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	
#1	Tungsten (WO ₃),	\$		\$	-----	-----	-----	1.8%
#2	"		"	,	-----	-----	-----	2.2%
#3	"		"	,	-----	-----	-----	4.6%
#4	"		"	,	-----	-----	-----	1.4%
#5	"		"	,	-----	-----	-----	1.2%
#6	"		"	,	-----	-----	-----	.60%
#7	"		"	,	-----	-----	-----	1.6%
#8	"		"	,	-----	-----	-----	21.2% Cons.
								gross conc
								found in
								some sacks

9-40-500

Gold @

Silver @

Lead @

Copper @

Certified Correct,

H. W. Brose
Assayer.