

MUSIC MINE LANE  
September 15, 1961

Mr. L. L. Stewart, Director  
Lane Minerals, Inc.  
Culp Creek, Oregon

Bohemia Mining District  
Lane County, Oregon

Dear Mr. Stewart:

The following letter-report recapitulates what I told you and the other directors of Lane Minerals on Saturday morning, September 9, at your Saginaw office. The opinions expressed herein are based: in part on a 3-day examination of the central part of the Bohemia district in company with Mr. K. O. Watkins and Mr. Harold Barton, made in September 1961; in part on my general familiarity with the district over a period of 15 years; and in part on a detailed examination made of the Helena, Musick and Champion mines by myself and others in 1946. To help you evaluate this opinion, I attach a copy of our professional record.

1. "Does an ore reduction mill located in this area some place make sense?"  
The answer is no. The reasons are as follows:

Operation of the mill obviously depends upon a developed source of material to feed in at the head end. Despite the expenditure of substantial sums of money in the last 15 years by Watkins, Bartels, your company and others, there has been almost no development work done since by visit of 1946. There is not now anywhere in the district a sufficient developed or even partially developed tonnage of minable ore to build any mill. (I will take up the individual properties that have substantial development one by one a little further along.) About the smallest mill whose operating economies justify consideration, assuming there were ore available, would be 50 tons a day. With the improvement in transportation which has taken place in the last 15 years in the district, the logical place to build a mill is down out of the high snow country where year-round operating conditions are favorable. It would not make much difference where such a mill was located, providing it had access to power, water and is at the focus of the network of roads that lead to different mining properties. It has been demonstrated in the past that there is not any one property in the district which would consistently produce enough ore to feed even a 50-ton mill.

The amount of ore required to feed a 50-ton mill would be a minimum of a 5-year supply. Five years at 300 operating days per year, and at 50 tons a day, requires 75,000 tons of developed ore. It would be questionable if the mill could be expected to break even or show a profit on anything less than this.

It would be highly desirable to see perhaps 100,000 tons before the mill were actually designed. The mill will have to produce a minimum of 2 and probably 3 separate flotation products. It will cost somewhere between \$1500 and \$2000 per ton of daily capacity, i.e. between \$75,000 and \$100,000 to construct, assuming that second-hand equipment is installed for major items. All electrical equipment, pumping, conveyor covers, wiring, etc. should be brand new. You can use second-hand crushers, ball mills, some flotation equipment, dryers, blowers, flotation thickeners, etc. providing that they are subject to detailed inspection and where necessary dismantling before purchase. The mill will require concrete foundations and concrete launder floors, but can be housed in a simple wood building. Such mills can be designed and built by a number of people that we know so that they will run smoothly and without complication. I would strongly suggest that if it becomes feasible to build a mill that you hire such persons to design and construct it, and that you do not try to do it yourselves.

While a 50-ton mill could be operated as a custom plant, unless the owners of the mill control a sufficient ore supply to carry the thing through several years of operation, it is likely that the mill would not succeed. Leasers cannot be trusted to systematically deliver ore at the times required and the quantities necessary to keep the plant going. I believe, however, that leasing, in the sense of individual teams, or small groups of miners working on your properties, under the general direction of a company engineer, is probably the only way you can operate any of the mines in the Bohemia district. I don't think that day's pay mining under direct company supervision is going to work. However, I think that your company or some other company is going to have to put up the development money in order to drift out veins and indicate blocks of ore that can actually be extracted.

2. "Would this deal appeal to a large mining company?" The answer is no.

The size of the Bohemia district and the size of a mill that might ever operate is so small as to have no sensible effect on the earnings of a large company, and therefore no large company is likely to be interested in it. Companies that might be interested are development companies and small operating companies. I have appended hereto a list of a few companies that I mentioned to you and that you might directly contact. I suggest before you do so that you hire Harold Barton to take all of your available information in the form of maps, sample data, underground maps, etc. and put them into a series of map presentations that will allow a potential purchaser to get an idea of the district without tedious looking at many pieces of paper. At the present time, your records and those of your predecessors are in no shape to present a property to anybody.

3. "Does the Federal government fit into a development program?" The answer is yes.

In the event that the work being done under OME assistance by Emerald Empire Mining Company at the Musick mine is successful, you should have little trouble in getting additional government participation. If, however, it is unsuccessful, I am not sure you are going to get any more government participation. In fact, much of the future interest in the Bohemia district is going to depend upon the results of driving the new Musick 9 level the total distance of 3300 feet underneath the Musick ore shoots. If the ore shoots are still going down and maintain their grade, then the area has a considerable boost and developing a milling program may be feasible.

#### Musick Mine

An estimate of the grade of the main Musick ore shoots made by H and H, and confirmed by me in 1946, seemed to indicate an average grade of ore of 0.12 oz. Au, 2.4 oz. Ag, .8% Cu, 8% Zn and 8% Pb. This ore at present metal prices has a net smelter value, f.o.b. the mine, of between \$20 and \$22 a ton, depending on where it is marketed. The area which is the direct dip projection of the known ore shoots would contain, if the ore shoots are 4 feet wide and continue to the 900 level at the same length as in the upper levels, about 35,000 tons of ore. It is entirely possible that the development heading now being driven by Emerald Empire may develop up to 70,000 tons in the 3300 feet from the 900 portal to the east end of the Musick ore shoots. If all this ore were developed, there would be a net smelter value of about \$1,500,000 to be expected above that level. This would be sufficient to envisage a milling program. There would be about a \$300,000 operating margin and the money at risk up to the point of building a mill would be about \$100,000. In other words, there is about \$100,000 profit to be envisaged after building and operating the mill, doing the development work, and mining out the Musick to the 9 level.

It is for this reason that I think plans for doing other development work in the district should await the development of the 900 level of the Musick. Apparently Emerald Empire has sufficient funds and OME participation to drive the first 1200 feet of this 9 level. This would leave a couple of thousand feet to be driven. I believe you may find some of the companies whose names I have appended interested in doing this work.

#### Helena Mine

Even if the 700 level of the Helena mine were to be developed along strike with a down dip projection of ore shoots mined on the 400 level, there would not be more than 5000 to 10,000 tons of \$20 to \$25 rock available. I t

would be necessary to expend about \$40,000 to develop this block of ground. Assuming the development were entirely successful, I see no way that anybody could do any better than simply trade dollars on the proposition. Frankly, I do not believe that the Helena mine is worth developing further unless the Musick develops enough ore to justify building a mill. I certainly would not care to gamble on the Helena by itself.

#### Champion Mine

It is possible that if the 1200 level of the Champion mine were extended 200 feet to the east and 400 feet to the west that something in order of magnitude of 25,000 tons of ore would be developed. According to H & H sampling, confirmed by me in 1946, the western ore shoot to be expected appears to have had an average metal content of .20 oz. Au, 2.5 oz. Ag, about 1% Cu 1% Pb and 6% Zn. This is about \$17 rock under net smelter returns at 1961 prices. The east shoot had an average value of .35 oz. Au, 2 oz. Ag, 2% Cu, and about 3% combined Pb and Zn. This ore has a net smelter value of somewhere around \$35, but the total tonnage of this higher grade ore is probably not over 2000 or 3000 tons. In my opinion, if these shoots were developed by drifting and raising, a small profit could be made. The ore would be worth milling, however, if a mill had been built for Musick ore. Thus the Champion is not worth doing anything with until and unless the Musick development work is successful.

Mr. Barton showed me a number of other mineral showings some of which are worth doing a little development work on at some future date. You must remember, however, all of this is prospecting, and prospecting is the necessary first step before building a mill. I would not care to spend a nickel on prospecting these veins unless and until the Musick ore shoots have been shown to have some vertical continuity. In my opinion, there is nothing in the Lead Crystal, Elephant, Utopian, the various east extensions of the Musick, the Oregon Colorado, Professor, Stonewall, Sunset, LeRoy, Miller, etc. which justifies effort to develop ore at this time.

Respectfully submitted,



Manning W. Cox

**Emerald Empire Mining Co.**~~150 Park Drive~~

P. O. Box 641

Corvallis, Oregon

February 2, 1963

Mr. Manning W. Cox  
55 New Montgomery St.  
San Francisco, Calif.

Dear Bill:

I wrote you on November 6th. Shortly thereafter you had Les Richards come up and sample the new workings. After that Harold Barton shot three more rounds and found the hanging wall. Straight across the vein is at least 20 feet.

Les forgot his rain clothes; I could hardly make it to the face; and apparently in the pouring water we cut our samples in the vein but missed the good streak. One sample taken by Curtis Kininmonth, a member of our company, assayed Au 0.02 oz, Ag 1.1 oz, Cu 0.25%, Pb 4.01%, Zn 8.96%. A sample cut by Barton, our geologist, ran just a little more. This is under the California ore shoot and on the level, 400 feet above, it assayed very little but as we go eastward the gold values pick up. I tried to go ahead with the development but couldn't get anyone to do it without money.

Now three months have gone by and, although I have my strength back, my eyesight and sense of coherent speech is not much improved. If you know of anyone who would be interested in taking over on some basis please let me know. We have about \$25,000 in labor and liens against the property. In order to keep our lease with Lane Minerals Inc. (Stewart Brothers) in force, we have to pay our obligations and make arrangements to resume operation by May.

I note on re-reading my letter of November 6 the statement that the mill operated for three months. This was a typographical error - it should have stated "three weeks".

Yours truly,

  
Kenneth O. Watkins

TO: M. W. COX

DATE: 15 Nov. 1962.

FROM: Leslie C. Richards

SUBJECT: Emerald Empire Tunnel, Musick Mine, Lane County, Oregon.

1. As per your request of 7 November, 1962, to inspect, sample, and report on the California vein recently cut by deep development, Emerald Empire tunnel, at the Musick Mine, I visited the property on 9 November, 1962.

2. The vein cut by this lower tunnel is 1620 feet from the portal and 432 feet vertically below the 600 level drift of the Musick Mine. It strikes S.85°E., and dips 75° to the south. There is little question that it is the California vein of the Musick Mine. The dip and strike, and its position with respect to the California vein as exposed by the 200, 400, and 600 levels of the Musick are all in agreement.

3. The wall rock along the footwall of the vein appears to be a tuff breccia. I am not sure that the tunnel has cut the hanging wall. The vein material is a sheared highly silicified tuff breccia with a few seams up to 4 inches, showing quartz and sulphides. The sulphides noted in these seams were pyrite and sphalerite. The rest of the vein material shows minor amounts of pyrite. The width of the vein as now exposed is 5½ feet. The vein is making considerable water.

4. I cut two samples, No. 1 from the east wall of the tunnel and No. 2 from the west wall. Both samples represent a vein width of 5½ feet. No. 1 sample showed the most sulphides. The assay results are as follows:

sample	<u>ounces per ton</u>		<u>percent</u>	
	gold	silver	lead	zinc
1	0.01	Tr.	0.2	2.2
2	0.01	Tr.	Tr.	1.3

*LCR*

LESLIE C. RICHARDS  
MINING ENGINEER

4203 N. E. 28TH AVENUE  
PORTLAND 11, OREGON

April 4, 1962.

Mr. M. W. Cox  
Wisser and Cox  
55 New Montgomery Street  
San Francisco, California.

Dear Bill:

After going over your letter received recently, I am afraid that I may have misled you by my remark about Watkin's good strong vein. What I was trying to describe was a typical Bohemia vein. Several hundred feet of his exploration follows such a vein, and particularly at the face, it shows several feet of sheared and bleached rock with iron and manganese oxide staining. He is not in an ore shoot. In fact, he is several hundred feet from being under the main Musick workings.

At the present time, he is shut down do to heavy snow and the loss of his bunk house in a fire. He expects to resume work within the next few weeks when snow conditions allow him to use the Champion camp.

Ken has been trying to put a mill together, but of course in my opinion, this action is premature.

There is not much of anything new in the mining business around here, except that I have noted a certain revival of interest in gold. In fact, just this morning I learned that a New York based mining group that you would know if I mentioned their name, is planning on taking a look at the Benton Mine in southern Oregon.

Sorry to hear about your skiing accident. You are too much of a shuss boomer for a guy that is a grandpa.

Best regards,



Leslie C. Richards

305 Lilly Lane  
Corvallis, Ore.  
Oct. 2, 1960

*replied 11/2/60*

Mr. Manning W. Cox  
Wisser & Cox  
55 New Montgomery St.  
San Francisco, Cal.

Dear Bill:

I finally have something concrete to offer if any of your clients are interested in the Bohemia District.

I have turned all my mine assets to a personally controlled corporation known as Emerald Empire Mining Co.. I have a 20-year  $7\frac{1}{2}\%$  royalty lease on other Bohemia mines.

This company now owns or leases 240 mining claims in the Bohemia and Blue River Districts covering the following mines with production records: Champion, Musick, Helena, Lead Crystal, Professor, President, Peekaboo and Elephant in Bohemia and Great Northern, Cinderella, Eastern Star, Tate and Arasta in Blue River. Also Sunset, Annie Trail, Stonewall, Big Rock, East Miller, Leroy, Lehman, Oregon-Colorado, Gilbertson, Nordstrum, Demon, Utopian, Weaver Creek and others in Bohemia, most of which have good ore but no production.

Since you were here many roads have been built and a great amount of surface trenching has been done. I milled about 1500 tons at the Champion in 1950 and Harold Barton shipped some ore from the Champion in '51 and '52. Lane Minerals Inc. shipped one car which netted about \$30.00 per ton from the President.

Some development work has been done at the Helena, Professor, President and others. The Oregon-Colorado portal was cleared and the drift is open for 1100 feet.

Emerald Empire Mining Co. has only a small amount of operating capital which I have advanced. I would like to find someone who would put up enough to drive a deeper level under both the Helena and the Musick. We are open to any reasonable proposition.

Three years ago I had complete mill tests made on a composite of ores from the Helena, Musick, Stonewall, Professor, Leroy, Oregon-Colorado and Sunset Mines. Recovery was good and separation of sulfides good except some zinc came up with the lead. I do not have the figures here at the Champion Mine, but I believe this composite head assayed Au. .14 oz, Ag 3.0 oz, Cu 2.27%, Pb 5.4%, and Zn 11.0%. This figured out to about \$42.00 net recoverable value after freight, treatment and tailing loss.

Very recently while doing assessment work on Cinderella claim in Blue River District I uncovered a new ore-shoot which assays better than 1.5 oz Au over a 3 foot width.



January 5, 1960

Mr. K. O. Watkins  
305 Lilly Lane  
Corvallis, Oregon

Dear Ken:

Nice to hear from you - I think it has been about a year since we corresponded, hasn't it? I am most interested in learning of the recent developments in the Bohemia Mining District, particularly that almost the entire district can now be leased as one lump.

You mention that the Lane Minerals Company has spent \$150,000 in development and assessment work during the past two years. I would be interested in knowing what development work has been done, particularly the development work which would go towards blocking out reserves on which an operation could see its way out of the capital investment which would be required to start up. I seem to recall that a lower level tunnel was to be driven, or a new shaft level, I've forgotten which, sunk at the Musick Mine which should have developed some reserves. Perhaps before we go any further in ascertaining whether our clients might be interested in the Bohemia District under these changed conditions, you had better bring me up to date as to the status of development. I would appreciate having map and sample information (certainly not all of the 2000 assays which you have) but certainly the recent assays and maps locating the various mine workings, the recent development work and the blocks of ore which are not inferred, but are either blocked out or pretty well indicated by development.

Sincerely,

Bill Cox

MWC:j

reply  
next leaf  
1-4-60

305 Lilly Lane  
Corvallis, Ore.  
Jan. 2, 1960

Mr. Manning T. Cox  
Wisser & Cox  
55 New Montgomery St.  
San Francisco, Cal.

Dear Bill:

This letter is to bring you up to date on Bohemia. Norman D. Phillips sold the Musick Mine to Cottage Grove Lumber Co.. They took off the timber and then sold to Lane Minerals Inc.

Lane Minerals Inc, an Oregon Corporation, financed almost entirely by lumbermen, has acquired nearly all the mining claims in the District except the ones I own. They have by outright purchase the following mines: Stonewall, East Miller, Gilbertson, Nordstrum, Musick, Hiawatha, Utopian, Demon, Tall Timber and El Capitan and several other scattered claims, making a total of over 100 claims. They also have a purchase contract on the Champion Mine and mill which is about one-half paid out.

Lane Minerals have bought out several Helena Mines Inc stockholders so they & I now own about 70% of the stock in the company. Helena Mines owns the Oregon-Colorado and Helena and has mining rights on the Lead Crystal Mine, a total of 7 patented and 3 unpatented claims.

I have the Sunset, Warrener, Annie Trail, West Helena, Grizzley, Leroy, Benefit and Weaver Creek Mines, totaling 26 patented and 47 unpatented claims of which 37 are surveyed for patent. I also own with partners the Big Rock, Elephant Mt. and Professor mines, consisting of 14 unpatented claims, 12 of which are surveyed for patent.

Controlling stockholders of Lane Minerals and myself had Denver Equipment Co. make mill tests on a composite sample taken from the Helena, Musick, Champion, Oregon-Colorado, Stonewall, Sunset, Leroy, Miller and Professor Mines. The composite sample assayed as follows:

Au .14 oz, Ag 4.43 oz, Cu 2.27%, Pb 5.04%, Zn 3.25%.

I can furnish assays for each individual sample. I personally took all the samples and know them to be representative of the type of ore these mines could feed to a mill. I also have about 2000 assays from the various mines and many maps for anyone who wishes more information.

General mining conditions here are similar to those at the Idarado Mine in Colorado, but our ore is from 2½ to 3 times as high in all five metals as the Idarado ore.

The government has spent considerable on road improvement in the District the past three years.

Lane Minerals acquired an excellent mill site at rail head of the OP&E Railroad at Culp Creek and planned to build an ore mill there, trucking the ore from the many mines to the central mill.

After spending close to \$150,000.00 in development and assessment work during the past two years, the principal stockholders of Lane Minerals Inc have decided they will stay with lumbering, the business they know, and have asked me to find someone to lease the mines. They do not wish to sell at this time as there is considerable timber on the claims, but will lease at a low royalty rate. I will include my mines, and the mines owned by Helena Mines Inc can also be leased on some basis. For the first time almost the entire District can be leased in one deal, with no monthly or annual property payments to meet.

I believe this to be a good opportunity for anyone with enough capital to start operations.

If you know of anyone who would like this lease I will appreciate it if you would contact them. Inasmuch as a good proportion of the ore at the start of operations will come from the Musick, Champion and Helena, the gold content will be considerably higher than shown in the composite sent Denver Equipment Co.

I wish you a happy and successful New Year.

Your friend,



Kenneth O. Watkins

~~Eugene Lane~~

Bohemia, Oregon

305 Lilly Lane  
Corvallis, Ore.  
Jan 28, 1960

Mr. Manning W. Cox  
55 New Montgomery St.  
San Francisco, Cal.

Dear Bill:

Referring to your letter of January 5th, the recent development in Bohemia has been scattered over so many claims it does not show up very well. Most of it was road construction and bull dozer cuts with very little underground drifting.

I will give you a brief list of work done since you were here. Later this week when I am in Eugene I will get a claim map and show the new roads, cuts and drifts on the map. I have claim maps, but they have more recent ones in Lane Minerals' office.

A new road from the ridgetop to the Helena with better grade, built by myself in 1963.

An old road down Horseheaven Creek opened up by myself for travel three miles from the Helena to the Mayflower Mine in 1954.

Extensions from this road to several claims by others in 1956 & 57.

Four miles of new road to the Stonewall Mine by Watkins and others in 1950. Extended 3 miles further to the Big Rock claim in 1951.

Six miles of new road to the El Capitan Mine from Glenwood on Sharps Creek road by Lane Minerals and others.

Four miles opening an ancient road from the Elephant Mt. Mine to the Utopian Mine by Lane Minerals.

Four miles of new road from the Sunset Mine to the east end of Millers' claims by Watkins in 1956.

Four miles of the Oregon-Colorado road opened by Watkins in 1955.

Several short roads built east from the Musick and Champion Mines to Gilbertson and Nordsturm claims by Lane Minerals in '58&9.

One mile of jeep road from Utopian Mine to Weaver Creek claims by Lane Minerals in 1959.

Considerable improvement of 9 miles of Noonday Ridge road past Sunset and Annie Trail Mines in 1958 & 9 by Lane Minerals.

Many dozer cuts were made all over the District by Lane Minerals, some of which exposed good ore.

A new level, #8, was started at the Helena Mine and extended about 100 feet.

A drift on El Monte claim of the Sunset Group extended 140 feet. This is coming into good lead-zinc ore that was cut on an upper level at bottom of oxidized zone.

An old drift on the Popgun claim of the Utopian Group was opened up showing good sulfide ore with some gold value.

One car of ore was mined and shipped from the El Capitan Mine. Net gold \$32.00 per ton. This is the mine that has antimony ore.

A dozer cut on the Gilbertson Group below the Musick shows nice ore similar to Musick. In fact, I think it is an extension of one Musick vein.

It will be some time before anyone can get a look at the mines. I will send more information later.

Regards,

*KW*  
Kenneth O. Watkins

AMERICAN SMELTING AND REFINING COMPANY  
NORTHWESTERN MINING DEPARTMENT  
J. C. KIEFFER, MANAGER

P. I. CONLEY  
CHIEF GEOLOGIST

April 17, 1956.

WALLACE, IDAHO  
P. O. BOX 440

AIR MAIL

Mr. M. W. Cox  
Wisser & Cox, Consulting Geologists  
55 New Montgomery Street  
San Francisco, California

Dear Bill:

Upon my return to Wallace last Friday, I received your letter of April 2nd in which you ask for copies <sup>of maps</sup> of various mines in the Bohemia District prepared by Don Williamson and yourself in 1946 and 1951.

Attached is, I believe, a complete set of all maps we have pertaining to the district. They include the following:

1. Bohemia Mining District - Index map. 1" - 1320'.
2. Champion Mine - Composite plan and logitudinal projection. 1" - 100'.
3. Champion Mine - Geologic and composite plan work sheet. 1" - 30'.
4. Musick Mine - Composite plan and longitudinal projection. 1" - 100'.
5. Musick Mine - Geologic plan composite plan work sheet. 1" - 30'.
6. Noonday Mine - Compesite plan and longitudinal projection. 1" - 100'.
7. Helena Mine - Composite plan and longitudinal projection. 1" - 100'.

I would like you to know that a Mr. B. J. Rask, Portland, Oregon, representing a group that now controls the Champion, Musick and Oregon-Colorado mines, offered these mines to Asarco about one month ago. We had planned to visit the area early this summer as a routine check on current activity and I have so informed Mr. Rask and I have agreed to contact him at that time.

For your own information, I am inclined to agree with you when you say that Asarco Mining Department would not now be interested in an operation in the Bohemia District. You are apparently in touch with responsible mining people who are interested in a mining operation in the district, and since any concentrates produced might go to one of Asarco's smelters, we are pleased to furnish copies of the maps to you.

I would appreciate being kept informed by you of any business which developes with your interested parties in San Francisco and I would, of course, if you desire, keep such information confidential.

Sincerely yours,

  
P. I. CONLEY.

PIC:MEL  
Enclosures - 7

1565 Brook Lane  
Corvallis, Oregon  
April 16, 1956

*reply 1/21  
on bet 206  
this account of the Helms*

Mr. Manning W. Cox  
55 New Montgomery St.  
San Francisco, Calif.

Dear Bill:

I regret the delay in answering your recent letter. I have just returned from a Canadian trip.

Regarding Bohemia, most of my data is in Portland. I will gather it up and send it to you. In the meantime, I will give you some information to consider.

Bartels gave an option on the Champion to a Norman A. Phillips. He did no work but brought a suit against them for fraud and damages. The court threw out the fraud part of the complaint, but the case has not been heard yet.

We sold the Musick to Phillips for \$75,000.00 with \$20,000.00 down as option money. He agrees to pay the balance by July 10th. I would not be surprised if he defaulted, but for now the Musick and Champion are not available. We have given Phillips an option until May 1st to buy the Helena and Oregon-Colorado Mines. His attorney says he will not have the money to exercise this option.

There is a considerable tonnage of about 3% copper ore in the Oregon-Colorado. We opened the caved drift there last summer. Since you were here I purchased the Professor Mine which has high grade mixed sulfide ores like the Stonewall. We have done more work on the Sunset. I think it will produce considerable copper-zinc ore.

I milled some ore from the Champion, Musick and Helena at the Champion mill in 1950. I will give you the net recoveries per ton on these ores to refresh your memory regarding grade of Bohemia ores.

The Champion ore came from 8 different stopes and, as it was partially oxidized, we shipped a bulk concentrate to International. Our recovery per ton was Au. .379 oz, Ag 2.0 oz, Cu 17.4 lb, Pb 5.6 lb, Zn 20 lb.

Musick recovery per ton was Au .277 oz, Ag 2.23 oz, Cu 20.7 lb, Pb 56.5 lb, Zn 10.4 lb. We also made a 49% Zinc concentrate which was never shipped, recovering about 100 lbs Zinc per ton.

Helena recovery per ton was Au .224 oz, Ag 1.27 oz, Cu 9.5 lb, Pb 26.7 lb, Zn 105.8 lb. We also made a 50% Zinc concentrate, recovering about 80 lbs per ton.

The tonnages for these runs were computed from the number of cars dumped. I think the dry weight was about ten percent under the computed tonnage, which would increase the per-ton recovery.

Besides the mines owned by the Musick Mining Co. and Helena Mines, Inc., I own 10 mines consisting of 86 claims in Bohemia and 37 claims in the Blue River District.

I would welcome a sound operator who wants to lease my mines, or I will sell if the price is right. I spent over \$20,000.00 on development last year. I think I can show you a number of interesting places that you didn't see when you were here before. I believe there is a 50-50 chance that both the Champion and Musick will be available before the end of the summer.

I will send you the data on the District soon.

Regards,



Kenneth O. Watkins



TACOMA PLANT

Tacoma, Washington  
May 27, 1947

Mr. Keith Whiting, Chief Geologist  
Northwestern Mining Department  
P. O. Box 907  
Wallace, Idaho

Dear Keith:

Mr. Fred J. Bartels of Disston, Oregon called yesterday. He stated that Mr. Kenneth O. Watkins had put up \$900 cash option for the purchase of the Champion Mine from the 900 foot level down, against a total price of \$75,000, and that Watkins also had options on the Noonday, the Music, the Oregon-Colorado, the Riverside and the Stonewall(?). He reports that Watkins has optioned the Champion Mine and is endeavoring to raise money in Portland to tie up the whole production of this district. You will recall that Watkins is buying the Helena Mine from the L. M. Capps Estate so that, with the Champion and the Helena, he will have enough ore to run a mill capable of handling 200 tons per day.

Later on in the day after having finished observing the sampling of a car of ore which he had shipped in here, Mr. Bartels came back to the office and wanted to know whether or not we would be interested in buying the Champion provided that Watkins was unable to raise the money. It appears to me that Bartels wants to get out of the business and put up the proposition to us to have a second string to his bow. However, I told him that I would be seeing Manning Cox next week and that I would report to him as I felt that Cox had spent enough time in that district to know whether or not the company was interested in it.

I have searched our files here for a copy of Manning Cox's report on the Champion and cannot find one. If such a report was made, would it be possible for us to have a copy of the same.

Yours truly,

DAS:AS

DAVE SOMERVILLE

cc to Manning Cox ✓