

For Carpenter

(249)

Item 14

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4120 0014

LIBERTY MANGANESE COMPANY

Docket No. C-MD-8026

Correspondence File: Copies from Reno Office

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43 Sierra Street  
RENO, NEVADA

March 5, 1943

Hon. Pat McCarran  
United States Senator for Nevada  
Senate Building  
Washington, D.C.

Re: Liberty Manganese Co.  
Docket No. C-ND-8026

Dear Senator Pat:

Receipt is acknowledged of your letter of February 23, 1943, with reference to the Liberty Manganese Company sponsored by Mr. C. C. Boak, Mr. Albert F. Coyle, and others.

I have completed an examination of the property in question, in fact on account of the controversial nature of the project, spent two days giving it a real going over.

The property was located by E. M. Booth and Mabel E. Booth, his wife, during the early part of the year 1942. A lease was granted to one William C. Kirkpatrick, of Los Angeles. The lease is for a term of thirty-five years, and was recorded in the records of Nye County in Tonopah. No assignment of interest in the lease has been made by Kirkpatrick, at least no record assignment, and this is important on account of the lease having been recorded.

The application is in the name of the Liberty Manganese Co., by Albert F. Coyle "as a joint owner for himself and for the other two joint owners". Just what this means, I do not know, as certainly Coyle has no interest of any kind in the property at present, at least not a record interest, as the whole thing stands in the name of Kirkpatrick. In addition no certificates of location have ever been recorded, and as you know, this is a non-compliance with our Nevada laws, and while I am not usurping the functions of a lawyer, my thought would be the claims are voidable, if not void. You should be the best judge of this on account of your long legal experience, and the fact that you were Chief Justice of our Supreme Court for many years. In any event, I suggested to Mr. Booth, the owner, that these certificates should be immediately recorded, as in my opinion this would cure the title in the absence of intervening rights.

In addition to this, I seriously doubt if sufficient location work has been done to hold the claims under our Nevada laws

Booth, the owner, informs me that Mr. Boak has no interest in the claims, but is to get 10% of anything in the way of profit received by the Booths. Booth never heard of the Liberty Manganese Co., and was amazed when I told him of the application.

Mr. Kirkpatrick claims to be a Consulting Engineer in Los Angeles. Boak initiated the business with Kirkpatrick, then Boak took in a man by the name of Pollock with him. Pollock claims to be a mining engineer, but has been hanging around Mina for the past few months; then Boak, Kirkpatrick and Pollock interested Coyle in the property. Lowell Daniels was the attorney who drew the papers, and Booth informs me that these mining operators compelled him to pay for drawing the lease, and all the other papers.

This should give you a preliminary idea of the status of the whole mess. Booth states that Coyle has never seen the property.

I am now preparing my report, which has been delayed a few days on account of a lot of accumulated work occasioned by my absence from the office for a period of some eight days, but I am going to write Mr. Rait, and ask him to make available to you the information which will be contained in the report.

There is not any manganese on the property which can be shipped to a Metals Reserve depot. In one of my samples I took the very best pieces I could find, and even they did not show a commercial grade of manganese.

These operators are now proposing to build a plant for processing manganese at a point some twenty miles north of Tonopah, twenty miles from a power line, and six miles from the nearest water, without anything done on the property except some shallow trenches and cuts.

The manganese occurs in the form of psilomelane in rhyolite and andesite of tertiary age. Along pre-mineral faults in those rocks where brecciation occurs, there are meager showings of manganese, but as far as tonnage is concerned, there just isn't any available ore indicated.

I have known C. C. Boak since I was a very young man. He is intelligent, honest and trustworthy, but extremely visionary, and knows absolutely nothing about mining. I doubt if he ever has been underground for more than a few

Page #3  
Hon. Pat McCarran

hours at a time in his life. I would like to do anything I could to be of assistance to him, but he is absolutely wrong in all of his statements regarding this property, and if he had ever had to dig ore out of the ground with which to meet a payroll, his conception might be different. The only experience Boak has ever had has been in selling stocks to finance exploration work on property, and it is amazing to me that he should have made the positive statements he made regarding this property.

This fellow Coyle I have never met, but he has endeavored to influence me by writing me "as one native son to another". I do not get this angle as fortunately, or unfortunately, I was not born in California. He certainly makes some wild statements in view of the fact that Booth states he has never seen the property. In his letter he stated: "We believe we have there one of the major low grade deposits of manganese in the country."

If you will pardon me, Senator, I feel you are permitting yourself to be imposed upon by men of this type, and you are too fine a man to permit them to continue such a practice. I might say without prejudice, and this is my own personal opinion, I have no sympathy for these bunk-house geologists, curbstome operators, or night club mining engineers. Booth is a very deserving person, and has really tried all of his life to make an honest living out of the ground, but in my opinion he is mixed up with a bunch which will do him no good. The mere spectacle of a prospector who has located some mining claims, done practically no work on them, turning the thing over to a bunch of high-powered promoters who make the extravagant statements they have made is nauseating to me, and I know would be to you were you familiar with the entire situation.

If, in the future I may be of any assistance to you in preventing men of this type imposing upon you, it will give me pleasure.

Believe me, with kindest regards and best wishes -

Very sincerely yours,

L. D. Gordon (signed)

L. D. GORDON  
Supervising Engineer

LDG:OM

UNITED STATES ~~SENATE~~

February 23, 1943

Mr. Louis D. Gordon  
43 Sierra Street  
Reno, Nevada

Dear friend Gordon:

I hate to bother you again about the manganese property in which Mr. C. C. Boak and Mr. Albert Coyle are interested, but I keep receiving communications from them quite regularly and I am wondering what the status of their new application for a pre-development loan is.

It may be that you have not had an opportunity to make an examination of this property as yet, and I hope you won't think I am trying to rush things. However, I do hope the matter is progressing, and that it will be possible to open up a large manganese development in the vicinity of Tonopah. I would appreciate a word or two bringing me up to date, and indicating if possible what may be the outcome.

I find Washington just as hectic after my return as it was before I left, -- only more so, if that is possible.

Kindest personal regards.

Sincerely,

Pat McCarran (signed)

43 Sierra Street  
RENO, NEVADA

March 5, 1943

Mr. Albert F. Coyle  
Yale Club  
Vanderbilt Avenue and Forty-fourth Street  
New York, New York

Re: Liberty Manganese Co.  
Docket No. C-ND-8026

Dear Mr. Coyle:

Receipt is acknowledged of your letter of February 26, 1943, in which you state Senator Pat McCarran has written you that he has kindly asked me to expedite the examination of the Liberty Manganese claims north of Tonopah, Nevada.

Please be advised that I have completed the examination of the claims in question, and my report is now in course of preparation, and will soon be forwarded to Mr. D. M. Rait, Chief, of the Mining Section, Reconstruction Finance Corporation, Washington, D.C.

As you surmise, Assemblyman C. C. Boak has been in to see me a couple of times.

In the matter of your reference to the Bureau of Mines' examination, please be advised that the Bureau of Mines did make an examination of the property last December, and I presume their report will also be made available to Mr. Rait.

You will no doubt be advised within a short time of the decision of the Board of Directors of the Reconstruction Finance Corporation, regarding your loan.

Very truly yours,

L. D. Gordon (signed)

L. D. GORDON  
Supervising Engineer

LDG:OM

February 26, 1943

Mr. Louis D. Gordon  
R.F.C. Loan Agency  
Reno, Nevada

Dear Mr. Gordon:

Our mutual friend, Senator Pat McCarran, has just written me that he has kindly asked you to expedite examination of the Liberty Manganese claims near Millers, Nevada, in connection with the application made to the R.F.C. on Jan. 8th. last for a pre-development loan of \$5,000, and which Mr. D. M. Rait told me would be subject to your examination and approval of the property.

Possibly my associate, Assemblyman C. C. Boak, has also spoken to you about this matter; and I should not write this letter directly to you about it were it not for a letter just received from Tonopah advising me that someone from the Bureau of Mines had seen this property last December and reported adversely on it. Since our pre-development loan application was not made until Jan. 8th., this seems strange to me. It is probably just another rumor. Fortunately, W. C. Kirkpatrick, the able engineer who prospected and opened up the Cushman-Batesville, Arkansas manganese field during the last world war, has examined the Liberty and Defense claims, and fully confirms the reports made by a competent Nevada mining engineer. We believe we have there one of the major low grade deposits of manganese in the country.

Faithfully yours,

Albert F. Coyle (signed)

43 Sierra Street  
RENO, NEVADA

February 26, 1943

Mrs. Oline C. Stewart  
County Recorder  
Nye County  
Tonopah, Nevada

Dear Mrs. Stewart:

I will appreciate your sending me certain information regarding the following lode mining claims, situated in the Liberty Mining District, Nye County, Nevada:

Defense  
Defense No. 1  
Defense No. 2  
Defense No. 3  
Defense No. 4  
Victory  
Victory No. 1  
Mabel B.  
Mango

1. The date the location notices of these claims were recorded, and the book and page number in which such location notices were recorded.
2. Have certificates of location covering these claims been recorded, and if so, the date they were, and the book and page number of your records in which they were recorded.
3. The date, book and page, in which a certain lease from E. M. Booth and Mabel E. Booth to Wm. C. Kirkpatrick was recorded.
4. Have there been any assignments or transfers of any kind in the leasehold from Wm. C. Kirkpatrick to other parties.

I am enclosing herewith a self-addressed envelope for your convenience in replying.

With kindest personal regards and best wishes, I am always

Very sincerely yours,

L. D. GORDON (Signed)

Supervising Engineer

LDG:OM  
Enclosure



NYE COUNTY  
STATE OF NEVADA  
TONOPAH

March 3, 1943

Mr. L. D. Gordon,  
Supervising Engineer, Mining Section,  
Reconstruction Finance Corporation  
43 Sierra Street,  
Reno, Nevada.

Dear Sir:

This to acknowledge receipt of your  
communication of the 26th. inst. and we  
are handing you herewith the information  
requested.

Trust you may find this in order.

Very truly yours,

Oline C. Stewart (signed)

Recorder and Auditor  
Nye County, Nevada

Enc.

Tonopah, Nevada  
Feb. 4, 1943

Dear C. C.:

Since reading the correspondence between Gordon and McCarran, I am convinced beyond all doubt that our past efforts have been wasted, and to continue along these lines is useless. I have written and mailed this date, asking the release of the ground. A little later I will try to develop a minable width of shipping ore on our own account, which seems to be the only means of realizing anything on the Liberty manganese, however we greatly appreciate your extreme effort in trying to put the ground over. Perhaps at some future time we may be more successful in our dealings together.

I hope your stay in the Legislature will be satisfactory to you, and every one concerned.

Respectfully yours,

E. M. Booth (Signed)

WILLIAM C. KIRKPATRICK  
CONSULTING ENGINEER  
1121 West Commonwealth  
ALHAMBRA, CALIFORNIA  
Atlantic 1-4688

2/10/1943

Mr. E. M. Booth  
P. O. Box 826  
Tonopah, Nevada.

Dear Mr. Booth:

In accordance to your request under date of Feb. 4th., 1943, I herewith cancel and/or quitclaim all my right title and interest in and unto the contract lease agreement entered into between you and Mrs. Booth and myself May 26th., 1942, and recorded May 26th., in Book "Y" of Miscellaneous page 134 in Nye County Nevada, records by Margaret Barnes, County Recorder.

Sincerely yours,

W. C. Kirkpatrick (Signed)

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W. C. Kirkpatrick

1121 West Commonwealth  
Alhambra, California.  
2/10/1943

Mr. E. M. Booth  
P. O. Box 826  
Tonopah, Nevada.

Dear Mr. Booth:

I was indeed glad to hear from you as of the 4th., and replying will say you and Mrs. Booth have been real sports in trying to believe it the right thing not to request cancelation of the Liberty Lease long ago, and I greatly appreciate your wonderful co-operation.

I am indeed sorry Mr. Coyle changed from private financing to that of Governmental Agency Financing after the negotiations for lease had been based on his assurance that the funds required were available and that he was not financing mine development through Governmental Agencies, but unfortunately this was beyond my control, but I assure you I tried dilligently to point out the error which in my opinion was being made by changing, because as I pointed out, it would be wholly unsatisfactory even if the government ever got around to approving loans, but also in error because every dollar invested by the government in industrial development in war or peace time would drift the American people that much closer to National Socialism, and farther away from the principle of democracy and our free enterprise that in past history done everything and was the incentive and creating force making of United States the greatest nation in the world.

Not having no word from Mr. Boak or any one regarding even the fact Mr. Gordon inspected the property, or reported on it, or what Senator McCarran may have written as referred to by you, I assume from your letter Gordon inspected the property, reported negatively and McCarran had so notified Mr. Boak and he so notified you, but under date of 1/7/43 Mr. Coyle writes he "just had another letter from Senator McCarran about Liberty, and "I don't think there is any cause for not believing the loan will not be granted," and "I have written Mr. Boak to follow it up". In a letter dated 2/8/43, just received he says, "I trust to have some real news to send you about Liberty within the next few days", and so I am wondering what was in the letters you seen that had been written by McCarran and Gordon.

I really believe Mr. Coyle will without question succeed in getting the initial \$5000 pre-prospect development loan, which I proposed to be used in putting a bulldozer on

the No. 1 and Two groups, then drill and shoot numerous strategically located open cuts for blasting out and exposing maximum ore bodies with that amount, in which the exposure would definitely block out ores in quality and quantity in justification of placing into operation a complete unit for mining from 50 to 75 ton crude ore per day, concentrating (after milling leaching out the vanadium) 3.5 to 1, then by the corrosion method throw the manganese into solution and precipitate as 99.9% pure powdered manganese metal electrolytically, producing about 14000 pounds (when mining fifty ton per day) of this high grade product per day having an F.O.B. plant value around \$6.00 in addition to probably \$1000 to \$1500 per day from FERRO-MANGANESE from this small tonage operation, giving your mine long life in production of high grade refined products just as much, and probably more needed in peace time as in war.

With the \$5000 RFC loan thus used, in which I intended making good use of your mining experience as one knowing more of the ore bodies than any one else, and knowing how to mine hard rock, and having a good pick-up truck, in superintending mine development operations and paying you equitably for it.

With this work then done as it could be, the factual data would become (including mill test determinations) the basis of private investment financing to place the plant into successful operation, and then you will realize that in event this development work was thus done, but failed to justify financing my planned development, it would do exactly that which you would have to do if you plan a profitable mining and shipping program, and therefore may I suggest you just hold my "quitclaim", and not record till a few weeks later, especially if you are not prepared to place into operation a mining and shipping unit, because IF Mr. Coyles pre-prospect development loan is granted, or IF it is not and he supplies the funds in same amount from Private sources, it would be far better for you and Mrs. Booth, and naturally a lot better for me after I spent the several hundred dollars and a long time trying to be beneficial.

With sincere best wishes to both Mrs. Booth and yourself, I am sincerely yours,

W. C. Kirkpatrick (signed)

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W. C. Kirkpatrick

Copies to,  
Messrs. Coyle and Pollok

43 Sierra Street  
RENO, NEVADA

January 27, 1943

Mr. Albert Silver  
Tonopah  
Nevada

Dear Al:

For your confidential information, there is persistent pressure being put upon me to examine the Liberty Manganese Mine north of Tonopah, owned by Mr. Booth, and supposed to be leased to Mr. C. C. Boak and Mr. Albert F. Coyle, an erstwhile resident of Tonopah, but now domiciled in the Yale Club in New York City.

I will have to go down there, but in the meantime, anything you may see fit to tell me will be considered strictly confidential. I have a lot of other depe, but for certain reasons, want to get all the information I can.

Best personal regards -

Yours very truly,

L. D. Gordon (signed)

L. D. GORDON  
Supervising Engineer

LDG:OM

ALBERT SILVER

Tonopah, Nevada  
1-29-43

Mr. L. D. Gordon,  
43 Sierra St.,  
Reno, Nevada.

Dear Lou:

I have your letter of the 27th inst. re the Liberty Manganese Mine north of Tonopah.

I made one trip out to this property with the idea in mind of determining whether there could be made available a reasonable tonnage of 35% or better Mn ore for direct shipment to a steel mill. There was alleged to be three deposits. The only one which I considered worthy of any work is the one nearest to Liberty known to some as the "potato patch". The origin of the MnO<sub>2</sub> is the Rhyolite flows and accretions of the botryoidal form are found on the up turned edges of the rhyolite. Lying in a trough between two upturned segments of the rhyolite are found concretions embedded in a residual clay (probably from the weathering of the rhyolite). This has been prospected by a shallow trench and concretions which have been sorted out piled up in small piles at the edge of the trench. This stuff will run about 30% Mn and upwards of this in SiO<sub>2</sub>; probably comprises less than 20% of the total mass. I was not satisfied with the grade and could only see the possibility of a limited tonnage hence I did not go further with it. I didn't like the apparent source of the Mn and couldn't see where the residual clay could have much depth but this is a matter of opinion as the deposit is not developed. The owners consider what they call dykes (really the broken ends of faulted rhyolite flows) as potential ore- this is purely bunk. If the residual clay isn't of sufficient volume to support a reasonable tonnage of a good grade of MnO<sub>2</sub> concretions then the thing isn't worth much.

It has always been my policy not to discourage prospecting however lean the proposition might look to me

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as Mother Nature often plays tricks on those who attempt to peer too deeply under the surface; most of her tricks are against the too optimistic, however. As it is a well known fact that worth while deposits are to be found in sedimentary rocks (of the calcareous type) and igneous rocks are a poor source of Mn I didn't choose to take a chance.

Hope the above will be of help to you although I would prefer that you not accept my word as final.

With kindest personal regards, I am,

Sincerely,

Albert Silver (Signed)



43 Sierra Street  
RENO, NEVADA

January 15, 1943

Honorable Pat McCarran  
U. S. Office Building  
Washington, D. C.

Dear Senator Pat:

With further reference to the C. C. Boak manganese deposit in the vicinity of Tonopah, I am enclosing, herewith, copy of the file in this matter.

When I first wrote Boak, I had been authorized to make an examination of a property near Tybo, Nye County, and thought while near Tonopah, I could take a preliminary look at his property. However, this examination has been temporarily postponed on account of other examinations to be made of mines situated in higher altitudes, where weather conditions might interfere if these examinations were postponed.

Preliminary Development Loans, as you know, are granted for one purpose only, and that is to make ore accessible for sampling, such as unwatering shafts, clearing up caved areas, etc.

I presume I could have had Boak file a Preliminary Loan Application, and based on said application, take a look at his property. However, that would not do him very much good, as he would then have to apply for a Development Loan. I imagine his associates have applied for a Development Loan, but have submitted inadequate information, and I would be sticking my neck out if I, in my position, supplied this information, as the supplying of information to support loan applications is the job of the Applicant. In other words, when an application is made for a Development Loan, I cannot examine the property until authorized to do so.

Mr. Coyle, in his letter of December 4, 1942, seems to be under the impression that I should examine the property

and make a report, and based on this report, action would be taken. Whereas, the reverse is the case. The applicant submits all possible supporting data with his application, after which, and when authorized, I make an examination and a report.

You, of course, appreciate the fact that a lot of this procedure is not discretionary, but based on rules and regulations of the heads of the Reconstruction Finance Corporation.

I would have gone out to see the property, simply to appease Mr. Boak, had I been able to get into Southern Nevada on other business, but doubt the advisability of making a special trip for the purpose.

I do want to say for your advice, that the value of the property seems to be questionable. I have discussed it with a very able Engineer, who has been a friend of mine of long-standing, and he is not much impressed with the property's possibilities. I have also discussed it with one of the better Engineers of the local Bureau of Mines, who is in my opinion, very capable. He states that the best assay he could obtain was 29% manganese, and the remaining samples were very low.

When I make a trip to Southern Nevada on authorized business, I will go out and take a look at the Boak property, even if it will necessitate my doing so, on my own time. I have known Boak a great many years, and want to be of assistance to him, but you must appreciate the fact, that in many cases, such as this, they throw the burden upon you and the local Engineers, to prove the potential merit of the property, rather than attempt to do so on their own account.

I want to be helpful to you in every way, and will do my best in this matter, but I am necessarily controlled by established procedure and regulations.

With kindest regards and best wishes, I am

Very sincerely yours,

L. D. Gordon (signed)

L. D. GORDON  
Supervising Engineer

LDG:hm  
Enclosures

43 Sierra Street  
RENO, NEVADA

December 7, 1942

Albert F. Coyle, Esquire  
50 Vanderbilt Avenue  
New York, New York

Dear Mr. Coyle:

I am glad to have your letter of December 4, 1942.

In the matter of the Liberty and Defense manganese claims near Millers, Nevada in which you are interested with Mr. C. C. Boak, of Tonopah, I note that you state in your letter that the application for a development loan is held up by the RFC pending some report on its value.

Please be advised that in a case of development loans, the applicant sends the application, in duplicate, to the Washington office, Mining Section, Reconstruction Finance Corporation, and we do not make an examination of the property until authorization to do so has been received from Washington.

I presume that the Washington office desires more information regarding the matter before authorizing an examination, and it is my suggestion that you have some independent engineer examine the property, sample it, and forward such report to the Washington office to supplement any data already on file there.

I did write Mr. Boak that I expected to be in Tonopah to look at a property for which an authorization to examine had been received, and that while there I would endeavor to take a look at his property, but I did not mean that I could conduct any sampling or any definite investigation, and proposed to visit the property on my own time, and at my own expense, as a favor to Mr. Boak, as Senator McCarran had asked me to do this.

All Supervising Engineers work under the same definite instructions and restrictions, and it seems that the Washington office does not feel that you have furnished sufficient information regarding the property for them to authorize an examination.

Very truly yours,

L. D. Gordon (Signed)

L. D. GORDON  
Supervising Engineer

LDG:OM

ALBERT F. COYLE

Consultant

50 Vanderbilt Avenue  
New York, New York

December 4, 1942

Mr. L. D. Gordon,  
R. F. C. Loan Agency,  
43 Sierra Street,  
Reno, Nev.

Dear Mr. Gordon:

May I introduce myself as a Native Son, with some mining interest in Nevada, Utah, and California, who is interested with our mutual friend, C. C. Boak of Reno, in the development of the Liberty and Defense manganese claims near Millers, Nevada.

The application for a development loan on this property is held up by the R.F.C. pending some report on its value. Mr. Boak has written me that on Nov. 19th. you kindly wrote him that you would get down to look at the property in a couple of weeks. Will you kindly advise me by return airmail whether you have been able to do this, and if so, if you have forwarded your report to Mr. Rait or Senator Henderson, so that I may go down to Washington and close up this matter, and come on to the Coast.

Thanking you for your helpfulness in this matter, I remain -

Faithfully yours,

Albert F. Coyle (signed)

AFC/IM

43 Sierra Street  
RENO, NEVADA

November 19, 1942

Mr. C. C. Boak  
Tonopah  
Nevada

Dear Cady:

Upon my return from Salt Lake City this morning, I find your letter of November 14, 1942.

It will no doubt be possible for me to come to Tonopah within the next couple of weeks. I cannot leave immediately, as I am overwhelmed with loan applications, in addition to supervising loans already granted, to say nothing of the regular office routine.

You may rest assured that I want to be of assistance to you, and will get to Tonopah as soon as conditions permit.

With best personal regards, I am

Yours sincerely,

L. D. Gordon (signed)

L. D. GORDON  
Supervising Engineer

LDG:OM

C. C. BOAK  
Mines and Mining  
Tonopah, Nevada

November 14, 1942

Loan Agency,  
Reconstruction Finance Corporation,

Mr. L. D. Gordon, Supervising Engineer,  
43 Sierra Street,  
Reno, Nevada.

My dear Louie:

Your very enlightening letter of the 11th. with data in re R.F.C. loans, received, and greatly appreciated.

Senator McCarran has shown a great deal of interest in the Liberty Manganese deposits and has been giving us all the aid within his power. He told us recently that he was going to take the matter up with you, wholly on his own initiative, and we are certainly glad he has done so.

For your information, a brief history of what has been done to date, will not be amiss.

Mr. E. M. Booth, the father of the Cimerone gold district north of Tonopah, is the owner. I have cooperated with him from the first, aiding him in every way possible and handling the business end of it for him. He has traced out a considerable area in which manganese (psilomelane) is the predominating mineral. On it are at least two very extensive deposits. One of them, No. 1, crops very conspicuously in way of large dykes of ore, while on No. 2, the occurrence is different and closer prospecting and a study of the geology coupled with development work, is necessary. No. 1 deposit is within itself, an enormous deposit of ore--enough to justify a sizable operation, by power shovel and concentration--concentrating three to four tons into one, etc., and make a high grade product for stock piling.

I interested Mr. Wm. C. Kirkpatrick, of Alhambra, in it. Mr. Kirkpatrick is a high grade consultant operator. Probably one of the best informed men on Manganese and the handling of same, I know of. It was he who rounded up all that vast area of Manganese many years ago, in Arkansas, and put it into successful production. Mr. Kirkpatrick took Mr. Albert F. Coyle, Yale Club, New York City, in with him, to handle the finances.

Mr. L. D. Gordon

November 14, 1942

Mr. Coyle made a fortune in mining in Calif., and retired. We gave them a 35 year lease on royalty basis. Mr. Coyle at first favored handling it entirely with private capital, and at that time assured us he had \$250,000 for the initial operation. But later, not being sure of just how large a plant to plan for, he decided to make application to the R.F.C. for a loan to cover expense of blocking out and proving the deposits to depth - possibly by drilling or otherwise.

Mr. Coyle himself, made the application several months ago. He, Coyle, is handling that end of it, from New York, but apparently has not gotten very far yet with Mr. Henderson.

Mr. Coyle has not yet seen the deposit personally, but has explicit confidence, as well he could have, in the judgment of Mr. Kirkpatrick. At any rate, I am sure an inspection of the deposits by yourself, will tend to clear up any doubts Mr. Henderson may be entertaining as to the merits of the mine. We will therefore be very glad to have you take a day or two and give the deposits a thorough going over and, if you like, sampling. And, by the way, following running of all the big samples last summer by Mr. Sill of Los Angeles, Mr. Kirkpatrick thought he detected the presence of vanadium in the ore. A check analysis of the composites, showed .63% vanadium ( $V_2O_5$ ) a valuable by-product - easily saved and one that will go quite a ways toward paying operating costs.

The deposits are situated about two miles south of Old Liberty and are easily accessible.

Let us know when we may expect you. Mr. Kirkpatrick says he considers it one of the largest and most important sources of manganese in the west.

With best personal regards, I am

Very truly yours,

C. C. Boak (signed)

C. C. Boak

WILLIAM C. KIRKPATRICK  
CONSULTING ENGINEER  
1121 West Commonwealth

ALHAMBRA, CALIFORNIA  
Atlantic 1-4688  
7/2/1942

Mr. E. M. Booth  
P. O. Box 826  
Tonopah, Nevada.

Dear Mr. Booth:

Glad to receive your good letter of the 24th., which you forgot to mail till the 29th., but that is permissible by folks like you, Mrs. Booth, the little daughter and the dog as long as you enjoy digging around in the hills, which to me is the most interesting, healthful and pleasant satisfactory way of putting in time between arrival and exit in this existence.

Just one of the unusual things about your so-called Manganese Mine was discovered while doing analytical work, as for example taking composite samples of the heads of each sample and analyzing it, a pale yellowish color appeared on all, indicative I decided to find out which element it was and how much, finding in a composite of the 16 samples taken from 750 pounds gave 0.63%  $V_2O_5$ , (Vanadium), or 12.6 pounds per ton crude ore.

Just what its economic value will be in production of Stock Pile concentrates will depend on much more analytic and mill-test determinations, but if in blocking out ore bodies in justification of major mining, milling and shipping units, and if there was found a justification for a 300 ton per day unit, at 95% recovery the gross receipts would be about \$950.00 per day on the vanadium, and therefore it presents a good problem in practical scientific development and operation, but we must work out our method of concentration so that the concentrates will carry the highest possible within operating economics,  $V_2O_5$ , then leach the concentrates to separate the vanadium from manganese, recovering it as a by-product.



In event core drilling did not show justification for large daily tonnage operation, then doubtless the ore would be mined only in small daily tonnage, probably not more than 25 ton per day, making the highest netallic concentrate of both manganese and vanadium same as in the larger operation, but throw the manganese and vanadium into solution precipitating the vanadium out as chemically pure oxides, then precipitate the manganese out as 99.5% powdered metal, and in this manner the mine regardless of high or low tonnage, would have a long life and excellent gross receipts--For example if 25 ton only 20% Mn, content ore was mined and 90% net recovery of pure powdered metal was produced, it would mean about 9.000 pounds having a value from 25¢ to 40¢ per pound, or at 30¢ gross receipts would be approximately \$2.700 per day on manganese, and if 300 ton a day operations are justified, gross receipts range around \$4500 per day, around \$15.00 per ton on the heavy operation and over \$100.00 per ton on the other.

With kindest regards to Mrs. Booth and  
yourself,

Sincerely yours,

W. C. Kirkpatrick (Signed)

WILLIAM C. KIRKPATRICK  
CONSULTING ENGINEER  
1121 West Commonwealth

ALHAMBRA, CALIFORNIA  
Atlantic 1-4688  
6/15/1942

In re: LIBERTY MANGANESE.

Mr. E. M. Booth  
Tonopah, Nevada.

Dear Mr. Booth:

I know you must be, also Mrs. Booth, anxious to know if I had fell in the ocean, but I haven't as yet, but rather after the long wait for the railway company to deliver 750 pounds of ore constituting 16 samples, after Mr. Pollok delayed shipping several days, it arrived and it started through research by milling it all.

Naturally as expected, there was negative elements that had to be carefully considered and way of practical low cost elimination worked out, and this required 12 days time and a lot of analytical work, but so that you good folks can get a better understanding of your mine, I give you the following:-

(Note) Report to E. M. Booth by Nevada Analytical Laboratory.

Date of Report.	Laboratory Number.	Character of Ore.	Manganese Content.
2/19/42.	6154	Mang, Oxide-Quartz.	16.80%
3/26/42.	6385	" " "	19.70%
4/13/42.	6520	" " "	No.1, 12.70%
			No.2, 9.30%
			No.3, 26.40%
5/8/42.	6820	" " "	23.20%
	<u>C. C. Boak by Columbia Steel.</u>		
5/14/42			No.1, 15.60%
			No.2, 12.40%
			No.3, 24.20%
	<u>Harley A. Sill.</u>		
6/10/42 .....	No. 1.	15.10%	No.9, 20.60%
"	No. 2	9.70%	No.10, 11.00%
"	No. 3	6.00"	No.12, 24.30%
"	No. 4	16.00%	No.13, 21.00%
"	No. 5	9.20%	No.14, 26.60%
"	No. 6	14.40%	No.15, 33.70%
"	No. 7	17.90%	No.16, 23.80%
"	No. 8	14.50%	No.11, 18.50%

The Potato Patch, or running rom the South East Gulch over to the North East Gulch, numbering 11 to 16 inclusive gave an average of 25.90% Mn, while the large Dykes South, 12.40%, and the total 16 samples 17.7%, and including your and Boaks sampling approximately 18.00% Manganese.

A composite sample run for major elements considered negative and likely to cause difficulties in milling and concentrating for stock-pile specifications, decidedly show good beneficiation is necessary, or as follows:

Manganese	17.70%	
Iron	1.60%	
Copper	None	
Zinc	"	
Sulphur	"	
Phosphorous	"	
Aluminum	5.90%	*
Silica	45.20%	*
Calcium (Lime	2.75%	
Barium	4.71%	*
Vanadium	.63%	

Those marked (\*) are important negative elements which causes serious difficulties in so many manganese development especially of low grade ores, and the most difficult is the Barium, but the preliminary mill test determination shows that by fine grinding and proper tabling a 45-50% Mn, concentrate can be produced at reasonable profits that will pass the Government specifications, and this is the important point in development, and these facts had to be established authentically so the several governmental agencies can intelligently consider and act wisely, and such as getting approval of the Steel Branch, and this then passed on to the Priorities Branch so material and equipment can be obtained, and these then form the basis for intelligent consideration of the Reconstruction Finance Corporation for guaranteed private bank loans, and the same for Private Investor Bank funds, and so the many pages composing the analytical report, the geological and metallurgical reports were compiled and mailed today, and now let us all hope only good will follow.

With kindest regards to your family and self,

Sincerely yours,

W. C. Kirkpatrick (Signed)

W. C. Kirkpatrick

WILLIAM C. KIRKPATRICK  
CONSULTING ENGINEER  
1121 West Commonwealth

ALHAMBRA, CALIFORNIA  
Atlantic 1-4688  
6/15/1942

Mr. C. C. Boak  
Tonopah, Nevada

Dear Mr. Boak:

Your letter of the 12th., also note regarding  
Liberty Manganese just received, and replying:

PUBLIC DOMAIN:

The difficulties you encountered is not surprising, but I feel certain we cannot lay the blame on the President, Ickes, and/or the so-called New Deal, but rather upon you and I and some 100,000,000 American Citizens for bringing about conditions creating the CAUSE AND EFFECT manifested by the NEW DEAL.

LIBERTY MANGANESE:

Obviously the Lease was not acquired without considering every factor which to those not directly associated with mine development even of strategic minerals are not understood, those things which in addition to leases and rights to develop, are fundamentally necessary to successful procedure, and that is carrying on scientific determinations on ores to be mined in that manner required to prepare factual data for intelligent consideration by the Priorities Branch of the War Production Board. The Steel Division and the Reconstruction Finance Corporation, and/or private Investment Bankers.

For example no one, even you and I would be foolish enough to finance such development unless every reasonable method of determining facts as to whether the ore could be mined, milled, concentrated and prepared to meet Stock-pile specifications, and being practical in these things, I planned accordingly, and the FIRST STEP had to be obtaining operating rights, and SECOND STEP,

obtain by practical sampling ores which may be representative of the whole ore body of one group of claims, and THIRD STEP, mill, thoroughly analyze, run mill tests and run many other analysis to see if negative elements contained in the ore could be eliminated in a practical and efficient manner, and in this event 750 pounds of ore was used and 12 days time in doing the work, and these three steps have been taken and during the past three hours was posted in form of an analytical, geological and metallurgical report to New York, and from there it will be taken to Washington in person by Mr. Albert F. Coyle, to his friend, Charles B. Henderson, Chairman of the R.F.C. Board, who has already stated it would have his personal attention...A copy of the Bureau of Mines, and to the Steel Branch of the WPB., where it must be approved before going to the Priority Branch so equipment for development can be had, and therefore, you may visualize at least "I" have not been DRAGGING, but you may expect some from now on.

Please hand the inclosed letter to Mr. Booth.

Sincerely yours,

W. C. Kirkpatrick (Signed)

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W. C. Kirkpatrick

Nye County, Nevada  
March 2, 1943

Instr.	Rec.	Notice of		Location		
Date		Claim	District		Locators	Book Page
1/15/42	8/17/42	Defense	San Antonio		E. M. Booth Mabel E. Booth	98 318
4/2/42	6/30/42	Defense No. 1	San Antonio			98 558
4/18/42	6/30/42	Defense No. 2	San Antonio			98 559
4/18/42	6/30/42	Defense No. 3	San Antonio			98 559
5/11/42	6/30/42	Defense No. 4	San Antonio			98 560
2/10/42 3/20/42		Victory	Liberty			98 318
4/20/42	6/30/42	Victory No. 1	San Antonio			98 560
3/25/42	4/20/42	Mabel B.	San Antonio			98 322
4/14/42	6/30/42	Mango	Liberty			98 561

Date	Lease	<u>No</u>	<u>Certificate of Location</u>	
5/26/42 Recorded 5/26/42	E. M. and M. E. Booth to Wm. C. Kirkpatrick		all above claims	Y 134

No Assignment

County Recorder of Nye County, Nevada

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Item 17