UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

Office of
Executive Officer
DMEA Field Team
Region III

January 4, 1952

Memorandum

To: Charles W. Merrill, Acting Chief, Minerals Division, Bureau of Mines, Washington, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Information available in Region III on E. F. Hunter Tungsten Property, Elko County, Nevada - Docket DMA-2083

Reference is made to Lowell B. Moon's letter dated December 17, requesting what information we have on the subject property.

Attached are two copies of all the information in the files of our Mining Division at Reno, Nevada, pertaining to the subject property.

H. C. MILLER

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachments

HCMiller:ejs

Files
Chron

C O P Y

Mining Division
Region III

Nevada - California

P. O. Box 1551
Reno, Nevada

October 23, 1950

Mr. E. F. Hunter
% Grant Sawyer
First Nat'l Bank Bldg.
Elko, Nevada

Dear Mr. Hunter:

This will acknowledge your letter of October 20, the Statement of Facts form, and engineers' reports and assay returns. Copies have been made of the reports for our files and we are returning, herewith, the original reports. No further information has been received in this office regarding mining loans under the Defense Production Act of 1950.

An examination will be made of the Lone Wolf mine when a Bureau of Mines engineer is in the vicinity of your property. You will be notified in advance of this examination.

Very truly yours,

A. C. Johnson, Chief
Mining Division
Region III

Encls.
cc: H. C. Miller & copy of incloming letter.
Files

C O P Y

Elko, Nev.
Oct. 20th/50

Mr. A. C. Johnson
Mining Division
Region III - Reno, Nev.

Dear Sir:

I am a little bit late in sending in this report as I have been out to the mine and did not receive your letter. I am enclosing engineers report from Fred DeLongcamps of Reno, Nev. to Roy Haslett who was to take a lease on one vein but failed to do so on acct of drinking. I am also enclosing letter from F. H. Hayes, Industry Operations Bureau W.D.C. also assay sheets and analytic reports. These I wish you would return to me. This property you will find just as represented. You can drive a car directly to all workings and no hard walking. I have machinery and equipment on the property. Please bring a tungsten light with you. I think it advisable for you to come in at once as we may get a storm. The roads are in perfect shape and only 2-1/2 miles off the old Tuscarora highway, 40 min. drive from Elko, Nev.

Thanking you very kindly and hoping to see you, I beg to remain yours truly.

/s/ E. F. Hunter
% Grant Sawyer
Att. First Nat'l Bank Bldg.
Elko, Nev.

Budget Bureau No. 42-R425.3
Approval Expires June 30, 1950

COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

STATEMENT OF FACTS AS TO THE LOCATION AND NATURE OF MINERAL DEPOSITS

The Bureau of Mines is directed by Sec. 7(a) of Public Law 520 - 79th Congress - to investigate domestic mineral resources with a view to developing greater reserves of those minerals which are essential to national defense or industry, and of which our present or probable future supplies are inadequate. The development program resulting from this legislation is based largely on the systematic examination of known mineral occurrences; a few carefully selected deposits are developed further by trenching, test-pitting, drilling, or other means. A development project must show promise of making a substantial contribution to the national security or economy, relative to the effort expended. The emphasis placed upon different mineral commodities will vary from time to time in accordance with changes in the trend of industrial demand and the needs of the stockpiling program.

It is not intended that the Bureau's development work shall duplicate or supplant the efforts of private industry, hence its projects are largely centered on deposits which are marginal in character or for some reason do not appear to justify private investment.

The results of preliminary examinations are not ordinarily released for publication, nor can the examination reports be made available to owners or other than Government agencies. The factual data resulting from development projects, including sampling and assaying data, are made available to owners upon conclusion of the projects, however, and are published as soon as possible afterward.

Applications for examinations or development projects are unnecessary, but initial investigation may be greatly assisted by complete factual information from interested parties. Examinations and other investigations will be made only in accord with the best judgment of the Bureau's engineers and the limitations of funds and personnel.

The following statement lists data especially desired. A supplementary sheet may be used if necessary for extended remarks.

STATEMENT

Made by E. F. Hunter Address % Grant Sawyer Att. First Nat. Bank Bldg. Elko, Nev. Date Oct. 15th/50

Name of Property Lone Wolf Mines Co. Metal Tungsten, copper Magnesite- lead alluminum, gold silver

Owned by E. F. Hunter Address % Grant Sawyer Att. First Nat. Bank, Elko, Nev.

Leased or optioned to _____ Address _____

Situated in: Merrimac, Lone Mt. Mining District, Elko County Nevada

Section _____; Township _____; Range _____; Elko (County) Nev. (State)

(over)

Give detailed directions for reaching property from nearest town: Elko, Mtn City Highway to junction of old Tuscarora road - 1 mile from Park Station or Dinner St. Take old Tuscarora road or highway - Pass one ranch. John Oldams,--3/4 mile. Sign on road to mine 2-1/2 miles, Malachite mine, or Lone Wolf Mine.

Name and address of local resident who can direct to the deposit

Grant Sawyer Att. First National Bank Bldg., Elko, Nev.

History of deposit Ore has been blocked out, stockpiled and left in the property for 14 years along the course of the vein for 2,500 ft. Vein averaging from 10 ft. to 30 ft. wide, shafts, tunnels, etc.

Shipments of ore made 85 tons Net for gold, silver, copper $14.00 per ton not including tungsten, magnesite, alluminum, lead

Known dimensions of the deposit:

Length 2,500 feet; Width 10 ft. to 30 feet; Depth 36 ft 2 shafts/120 feet. 265 ft. tunnel-depth 125 ft. 60 ft. tunnel-depth

Inclination:

Workings Vein cut on both ends, shafts, tunnels, all ore. 4 places along the course for 2500 ft, 2 in center of vein 300 ft. apart.

General description of mineral showings:

This property has been examined by several Geologist and considered one of the largest deposit of minerals mentioned above and why it is not under production. That question is this, lack of finances, This property is opened up and ore blocked out and stockpiled and machinery such as mill etc. installed, Bench or open pit mine and will average around $20.00 per ton in copper, Gold & Silver from 10' to 30' wide, not including tungsten all 3, Ferb. & Wolf from 2.3% to 12% Lead 14%, Magnesite 60% - Allumina 29%, - 19%- etc.

Sampling and assays Assays run as high as from 2% up to 20% copper Lead - 2-1/2% to 14% - Tungsten, Scheelite, Ferberite, Wolframite 2.3% to 12% Magnesite, Pure, feathery, alluminum 29%, Gold .02 to 1.70 oz. Silver 6 oz. to 80 oz. This property is outside the ordinary but just as represented

Maps or sketches, especially those showing location of individual samples, their widths and values.

(If available) Engineer's report by _____ submitted (to be returned) (not to be returned)

I am enclosing engineers report from Mr. DeLongcamps please return this. Vein has 120 ft. of backs to surface non metallics mnt mentioned please return

/s/ E. F. Hunter % Grant Sawyer, Att. Elko, Nev.

2121

C O P Y

DEPARTMENT OF COMMERCE
National Production Authority
WASHINGTON 25
October 5, 1950

Mr. E. F. Hunter
P. O. Box 1144
Elko, Nevada

Dear Mr. Hunter:

Your letter of September 14 to Mr. Harrison, the Administrator of National Production Authority, regarding the mining of tungsten, copper and other strategic materials, is being referred to the Bureau of Mines, Department of the Interior, for their attention.

Yours very truly,

/s/ F. H. Hayes
F. H. Hayes
Industry Operations Bureau

C O P Y

Certificate of Assay

Phone 4-6351

ALONZO P. BARDWELL & CO.
Assayers and Chemists
C. B. Sewell, Mgr.
158 South West Temple Street
Salt Lake City 1, Utah

Joe Yragesen
Commercial
Hotel
Elko, Nevada

July 6, 1950

Mark	No.	Gold ozs. Per ton 2000 lbs.	Silver ozs. per ton 2000 lbs.	Copper per cent wet	
Sample	1	0.02	18.00	16.55	
Silver 90¢ oz.		70¢	16.20		= $87.26 per Ton

Copper 21-1/2¢ per lb.
1% = 20 lbs. - 16.55% = 331 lbs. = $70.16

Charges $ 2.00
1.50 Paid

Signed:
/s/ C. B. Sewell

C O P Y

Walter S. Palmer, Director
Vincent P. Gianella, Geologist
William I. Smyth, Analyst

No. 939

Reno, Nevada

February 3, 1949

UNIVERSITY OF NEVADA
State Analytical
Mining Laboratory

Mr. Herbert N. Drake
R.F.D. #2 Box 149
Reno, Nevada

Report on sample or specimen received from you on January 28, 1949, is as follows:

No.	Minerals or rock	Ounces per ton Gold	Silver	
	Garnet rock with scheelite	None	None	Tungsten trioxide - 2.25%

/s/ W. S. Palmer
Director

C O P Y

KENNECOTT COPPER CORPORATION
Nevada Mines Division
McGill, Nevada
April 28, 1948

Mr. D. F. Hunter
General Manager
Malachite Mines Company, Inc.
Elko, Nevada

Dear Sir:

Enclosed is a certificate showing the assays and analyses of the samples you recently submitted.

It appears that your Nos. 1 and 4 samples do not contain sufficient values to warrant shipment.

Sample No. 2 would have a smelter settlement valuation of approximately $35.30 per ton in silver and copper, and Sample No. 3 - $20.50 per ton in gold and copper. The treatment rate on material of the character and valuation represented by your samples No. 1 and No. 2 would be approximately $12.00 per ton.

Yours very truly

/s/ Leonard Larson
Leonard Larson
Genl. Supt. of
Reduction Plant

LL:m
Encls.

C O P Y

KENNECOTT COPPER CORPORATION
Nevada Mines Division
McGill Laboratory--Certificate of Assay

Name E. F. Hunter Date--McGill, Nevada, April 28, 1948

Sample Marked	Oz. per ton Au Gold	Ag Silver	Percent Cu Copper	Per Cent SiO_2 Silica	Percent Fe Iron	Per Cent CaO Lime	Per Cent Al_2O_3 Alumina	Per Cent S Sulphur
1	None	None	.71	45.7	4.4	8.3	14.0	1.2
2	None	13.52	7.15	46.5	4.7	2.6	12.8	0.1
3	.52	.96	1.62	41.7	7.0	3.6	17.1	0.1
4	None	None	.56	40.9	5.9	4.5	15.8	0.1

/m /s/ P. A. Lawrence Chief Chemist

COPY

NEVADA STATE BOARD FOR
VOCATIONAL EDUCATION

Donald C. Cameron
State Director

CARSON CITY
November 18, 1949

Mr. E. F. Hunter
Ash and 5th Streets
Elko, Nevada

Dear Mr. Hunter:

In working over papers and material in a desk drawer, I encountered the envelopes containing the samples of products from your Malachite mining property. I am returning them to you with the thought that they will be useful to you.

Regardless of what might develop respecting tungsten in your property, you still have, the fact that it is mineralized in copper and gold and has a production record in these metals.

I am hoping that you can get the assistance needed to show up your property before too long.

Sincerely yours,

/s/ Donald C. Cameron
Donald C. Cameron
State Director
Vocational Education

Encl.
DCC:jge

C O P Y

Assay Certificate

AMERICAN SMELTING AND REFINING COMPANY
Utah Mining and Smelting Departments
700 Pacific National Life Building, Salt Lake City 1, Utah

Mine MALACHITE MINE

Address % A. BERKOURTZ

Box 108 Elko, Nev.

Sample No. 3477

Date May 5, 1948

No.	Gold ozs./ton	Silver Ozs./ton	Copper Per Cent	
1	.02	15.0	6.6	Main vein - lower tunnel (left)
2	.01	.2	0.7	Hanging wall porphy
3	none	none	0.7	Foot wall lime

Assayer /s/ L. W. Butcher

No map accompanied this report.

Hooper
U.S.Bureau of Mines

C O P Y

January 5, 1948

Mr. Roy Haslett

Reno, Nevada

Dear Sir:

Pursuant to my recent preliminary examination of the Malachite Mine on Lone Mountain in Elko County, Nevada, I wish to report the following:

This preliminary examination was made on December 31, 1947. Due to snow conditions it was impossible to make any more than a casual examination of the surface. The various openings and dumps were examined as far as was practicable and a rough survey of the main tunnel was made as per the accompanying map.

As far as could be observed in the short time spent on the property a general description of the geology appears to be as follows: The mineral deposit occurs at or near a contact between a granitic rock (probably monzanite) and limestone. The vein appears to be a fissure cutting through both the monzanite and the limestone. The shallow shaft above the main tunnel indicates a vein of oxidized ore at least six feet wide carrying values in gold, silver and copper. I am informed that a carload of commercial ore was shipped to the smelter from this shaft.

A tunnel was driven to intersect this vein at a level of slightly over one hundred feet below the collar of the shaft. At a point 194 feet from the portal of this tunnel a crosscut was driven to the right and the vein intersected at approximately 15 feet from the main tunnel. Although the crosscut did not cross the entire vein nor was there any drifting done there appears to be a mineralized width of about nine feet. Three samples were taken with the following results. Sample No. 1 begins at the east wall and covers a width of three feet. Sample No. 2 covers the next three feet and Sample No. 3 covers the west three feet or as far as the crosscut was driven.

Sample No.	Gold	Silver	Copper	Total Assay Value
1	.08 oz.	Trace	.90%	$ 6.67
2	1.19 oz.	.80 oz.	.20%	43.23
3	.05 oz.	2.00 oz.	3.20%	17.31
Selected Sulphide	.20 oz.	1.10 oz.	8.10%	42.84

You will note on the map that a fault was encountered at the end of the crosscut. There is very little indication of the amount of displacement by this fault. Assuming that the fault is normal the downward extension of the mineralized zone should be west of the fault at an undetermined distance. The general topography of the surface indicates that the displacement might not be very great.

This preliminary sampling indicates that there is a sizeable deposit of commercial ore and that it deserves further development. I wish to recommend that the present crosscut be extended beyond the fault a reasonable distance in order to determine the location of the southerly as well as the downward extension of the vein. If the vein is not intersected with a reasonable distance, I suggest that a drift be run northerly among the vein already exposed. It would also be desirable to crosscut the vein again after the drift has been run a reasonable distance. I wish here to refer to a drill hole which has been driven from the main tunnel about forty-five feet to the north, which, I am told, intersected five feet of commercial ore. (see map for location of drill hole.) It might be advisable to extend this crosscut to and through the vein in the place of crosscutting from the proposed drift.

If the vein is intersected beyond the fault by main crosscut, I would recommend drifting southerly on the vein toward the location where shear zone intersects the southerly extension of the vein system. This may be a very important zone to investigate.

This report is written from very meagre information secured during the rather casual examination of December 31, 1947. I should like very much to continue this examination later when more work has been done or when the snow is melted so that a better study of all the surface can be made.

In my opinion this property deserves further development as it gives a great deal of promise.

Yours very truly,

F. J. DE LONGCHAMPS, MINING ENGINEER

/s/ F. J. DeLongchamps

FJDeL:Bbj

C O P Y

Mining Division
Region III

Nevada - California

P. O. Box 1551
Reno, Nevada

October 4, 1950

E. F. Hunter
P. O. Box 1144
Elko, Nevada

Dear Mr. Hunter:

Replying to your letter of September 28, addressed to Mr. Benson, regarding your copper property near Elko, Nev.

Under the defense production act, there is some liklihood that loans will be made available for the expansion of mineral production. However, to the present time, it is rather indefinite as to how the loans will be made. In the past, the only agency authorized by law to make loans for the development of mining properties was through the Reconstruction Finance Corporation. This will probably be the procedure that will be followed for companies desiring loans for the development of mineral properties.

There is enclosed a Statement of Facts form that you should fill in as completely as possible, giving pertinent information on your property so that it may be considered for examination by the Bureau of Mines.

In the event that you are contemplating a loan, you should also furnish information as to the tonnage of ore that you are planning on producing, equipment, supplies and manpower that will be needed. Information should also be furnished on the quantity and grade of reserves that might come into production under a Federal loan.

Very truly yours,

A. C. Johnson, Chief
Mining Division
Region III

cc: H. C. Miller and incoming letter.
Files

C O P Y

Elko, Nev.
Sept. 28th/50

Mr. Benson
U. S. Bureau of Mines, Reno, Nev.

Dear Mr. Benson:

I am taking the pleasure in writing you in regards to a Government loan. This property is known as the Malachite Mines Co. Inc.and consists of large ore bodies of the following minerals Copper, Lead, Tungsten, Magnesite Allumin also carries good Gold and Silver values. This property has been under development by me for the last ten years and the ore blocked out and left in the holes. This ore body shows some 2,000 ft. long with shafts and tunnels exposing the ore bodies from 36 ft. to 100 ft. depth. All carrying commercial values in any one mineral to pay all opporations. My copper averages from 2% to 20%, Tungsten, Scheelite, Ferberite & Wolframite from 2% to 12%. I win the Prize on this ore in 1949 & 1950 on this ore, Elko County Fair. I have ore stockpiled on all my dumps and in fact some of my dumps are all ore. This property is situated 33 miles north from Elko and 2-1/2 miles off the Tuscarora old highway. I would certainly appreciate it if you would come in an examine the mine as I have what the Government needs. Thanking you very kindly, I beg to remain, Yours respfully.

/s/ E. F. Hunter, P. O. Box 1144
Elko, Nev.

2083

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, California

December 21, 1953

Mr. E. J. Hunter
c/o Grant Sawyer, District
Attorney
Elko, Nevada

Dear Mr. Hunter:

Reference is made to your letter of recent date and to ore samples we have received under separate cover.

The Bureau of Mines is not permitted to do quantitative analytical work in competition with commercial assayers. We are, therefore, enclosing a list of commercial assay and testing laboratories.

The samples you sent based on visual inspection contained various copper minerals, (bornite, chalcopyrite, and copper carbonates) and looked like fair grade copper ore. The samples in the match box contained appreciable scheelite based on examination with the ultraviolet light.

The General Services Administration, 49-Fourth Street, San Francisco, California, purchases tungsten ores and concentrates for the Government. Minimum WO_3 content in ores that they purchase is 55 percent. You may wish to communicate with that agency regarding sale of your ore.

For information on the possibility of obtaining funds for erection of a concentrating plant we suggest you write to Mr. Irving Gumbel, Director, Materials Division, Emergency Procurement Services, General Services Administration, Washington 25, D. C.

In case you are interested in an exploration loan, we are enclosing the booklet entitled, "The Defense Minerals Exploration Program," which explains the Government's participation in exploration of certain minerals.

We are also enclosing DMEA Order-1 and amendments as well as one set of application for aid forms MF-103. These forms are self-explanatory, but we will be pleased to help you should any questions arise in your mind concerning them.

Sincerely yours,

H. C. MILLER

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Enclosures

SRicker:fc

Copy to: SRicker

Files
Chron

	Noted	Date
S Rubin		12/21
	Answered	

Executive Officer, Defense Mineral Exploration Adm.
1012 Flood Bldg.: 870 Market St.
San Francisco 2, California

Gentlemen:-

About thirty five days ago I sent samples of the grade of ore I am sending you to P. M. Ambrose, Chief Metallurgical Division, Region VIII, U.S. Dept of Interior Bureau of mines for aid in helping me in installing a mill on this property known as the Lone Wolf Mine Situated 33 miles North of Elko, Nev and 2½ miles off the Jiscorora Road and 3½ miles off the Mt. City Highway at the base of Lone Mt. Mr. Ambrose referred me to you. I have extensive ore bodies of this ore Blocked out in mine Dumps and Stock Piled at present. These veins are large veins the formation is Monzonite Porphy, lime and Shale, with Intrusions of Andesite. Now if you will please let me know what course to take I will appreciate it very much. Also please let me know the Tungsten Content of the Samples and 2 average and if they are rich enough for Government stockpile and where to ship them. This Tungsten represents a six foot Vein from Surface to 70 ft of Depth, in a Stope off the tunnel Level

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED

1953 DEC 15 AM 8:44

SAN FRANCISCO, CALIFORNIA

The vein is some what weathered but this high grade is continuous throughout the vein, I have at present 1000 lbs of this ore in containers ready to go and no place to ship to.

I have tried to secure mill to handle my ores for the last 5 years with no result to and I think this conspiracy against me and the Government as these strategic metals are critically needed.

I do not want to go into any details pertaining to this at present, although I have this property up for an investigation with the H.B.J. Edgar Hoover whom I have a very encouraging letter in my behalf.

If you will please let me know how to handle this high grade I will ship at once.

I am an Engineer myself also a Mill Operator, Machinist, draftsmen etc so I know how much I figure to invest with 50 ton mill and within the course of one year can build it up to 1000 tons per day and pay for it out of the proceeds of my ore. I have several thousand tons of this ore Stock piled in dumps and mine at present.

Please let me know as soon as possible what to do and thanking you very kindly I beg to remain yours truly

E. J. Hunter
% Hunt Sawyer Dist. Att. Elko Nev.

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED

1953 DEC 15 AM 8:43

SAN FRANCISCO, CALIFORNIA

W.M.M.
Nov. 41

C O P Y

WAR MINERALS MEMORANDUM 1/

UNITED STATES DEPARTMENT OF THE INTERIOR - BUREAU OF MINES

Report of the Bureau of Mines to Hon. Harold L. Ickes,
Secretary of the Interior.

MALACHITE GOLD, SILVER & COPPER CO., INC.
Elko County, Nevada

- Copper -

Summary

The Malachite Gold, Silver and Copper Company's mine (known locally as Hunter's mine) is situated low on the eastern slope of Lone Mountain, about 28 miles northwest of Elko, Nevada, on the Southern Pacific railroad and U. S. Highway 50.

The limestone was intruded by a large mass of quartz monzonite which forms the crest of Lone Mountain.

In 1879 that section was intensively prospected and a small vein, carrying copper was opened by a number of shallow opencuts in the limestone near the contact low on the eastern slope of Lone Mountain.

Recently the mine was revived by E. F. Hunter.

The vein, seldom over a foot wide, carries a low grade copper ore, mostly chrysocolla, some malachite and azurite with sulphides in evidence. The gangue is limonite, magnetite, quartz, and silicified lime.

1/ These memoranda present the facts reported by Bureau of Mines engineers regarding properties for which no further consideration is recommended. Therefore, they should be treated as confidential, for the sole use of Bureau employees. They should not be given out to the public or to the owners of the properties concerned.

From two small shafts, 20 feet apart, with 15-foot drifts from the bottom, 36 tons of ore was saved. From this 36 tons, 6 tons of high-grade ore was sorted which assayed 0.012 ounces gold per ton, 11.20 ounces silver per ton and 6.8 per cent copper.

A 140-foot crosscut tunnel failed to locate the vein worked about 60 feet above.

The present exposures show a vein too small and values too low to make an economic proposition.

It is recommended that this property be given no further consideration.

MALACHITE GOLD, SILVER & COPPER CO., INC.
Elko County, Nevada

Introduction

The Malachite Gold, Silver and Copper Mine (also known as Hunter's mine), probably in Section 1, T. 37 N., R. 53 E., Elko County, Nevada, was examined by an engineer of the Bureau of Mines in August, 1942.

It is situated on the eastern slope of Lone Mountain 3 miles from a point on the Elko-Tuscarora County road about 5 miles northwest of the Dinner Station and 28 miles from Elko on U. S. Highway 50 and the Southern Pacific railroad. E. F. Hunter stated that the property was in the Merrimac Township.

History

In 1879 a narrow vein of low grade copper ore was opened by a number of shallow cuts. E. F. Hunter and J. E. Frith acquired the property and transferred title to the Malachite Gold, Silver and Copper Company, which they organized. With money and supplies secured by sale of some stock, they ran a 140-foot crosscut tunnedl, did some shaft work and about 30 feet of drifting.

Physical Features

A great measure of Carboniferous limestone (according to Emmons) has been intruded by quartz monzonite.

The contact is marked by a bold outcrop of quartz monzonite in the form of a horseshoe, opening to the south. The westerly side marks the very crest of Lone Mountain, a series of jagged peaks that can be seen for miles in all directions. The easterly side runs southerly along the base of the mountain, the contact disappearing under the talus slopes about 500 feet south of camp.

Description of the Deposit

The geology of this district is discussed in U. S. Geological Survey, Bulletin 408, page 35, by William H. Emmons.

A small vein, averaging about 1 foot wide, carrying some low grade copper ore, has been exposed in the limestone, near the contact with the quartz monzonite, by a number of shallow opencuts and in short drifts from the bottom of two shafts about 20 feet deep. The vein contains limonite, magnetite, quartz, silicified lime and a copper ore principally, chrysocolla, azurite and malachite. Occasionally sulphides are found.

There are two piles of ore on the dump at the collar of the shafts. Average sample of the ore piles:

	Ozs. Au/Ton	Ozs. Ag/Ton	% Cu	% Pb
1. About 6 tons of carefully sorted ore	0.012	11.20	6.80	Trace
2. About 30 tons of ore from which the above 6 tons were sorted	0.012	2.10	1.05	

Above the shafts, up the hill about 150 feet west of the contact, an island of lime was found in the quartz monzonite. Here a vein, identical with the one described above, was found and some ore taken out. A carload of carefully sorted ore was shipped. E. F. Hunter reports that all his samples showed about 20 per cent copper and 30 ounces silver per ton. The smelter returns gave about 4 per cent copper and low silver values. E. F. Hunter is convinced that the smelter did not secure a fair sample.

A 140-feet crosscut tunnel, run to cut this vein at depth, encountered the lime, but no vein or copper showing.

This vein has been opened intermittently along the contact for a thousand feet. In all exposures the vein is too small and of too low a grade to support an economic operation.

It is recommended that this property be given no further consideration.

C O P Y

Project

P. O. Box 1551
Reno, Nevada
January 20, 1943

GLA/mc

Mr. E. F. Hunter
Malachite, Gold, Silver & Copper Co., Inc.
Park Station, Nevada
via Elko, Nevada

Dear Mr. Hunter:-

In acknowledgement of your letter of January 18th concerning your application for a mining loan, will say that I have handed your letter to Mr. L. S. Gordon, who will no doubt communicate with you.

Yours very truly,

GLENN L. ALLEN,
District Engineer

cc WR
SL
LSG
GLA

C
O
P
Y

Properties
Lone Mountain
Elko County, Nevada.

Malachite, Gold, Silver & Copper
Company, Inc.

Principal Office
1126 B. Street
Sparks, Nevada.

Park Station, Nevada
via Elko, Nevada.

January 18.43

U. S. Bureau of Mines
Reno,
Nevada

Gentlemen:

Your letter of January 11th received and wish to thank you for the courtesy shown us in this matter.

We have some of the earlier papers here from the Reconstruction Finance Corporation and we would be pleased to know if there has been any changes in their forms for securing a loan.

If so please have Mr. L. D. Gordon mail them to me.

Snow conditions at the mine at present make it almost impossible for a thorough examination; although our underground showings show plenty of ore.

Thanking you very kindly I remain

Yours truly

/s/ E. F. Hunter
Secretary & General
Manager

C O P Y

Project P.O.Box 1551 GLT/rs
Reno, Nevada

January 11, 1943

Mr. E.F. Hunter, General Manager
Malachite Gold, Silver & Copper Co., Inc.
Park Station, Nevada.

Dear Mr. Hunter:-

Your letter of December 31 addressed to the Bureau at San Francisco has been forwarded to us for reply, as all activities of the Bureau in this state are under the supervision of the District Engineer's office in Reno.

In your letter you state that you desire a loan to be made to you by the Government for the purpose of equipping and operating your copper property. An application for this purpose should be made to the Reconstruction Finance Corporation, c/o L.D. Gordon, District Director at 43 Sierra Street, Reno, Nevada. The Bureau of Mines has no funds allocated to it for this purpose and any application for a loan as stated, must be made to the Reconstruction Finance Corporation.

It is probable that the matter should have been taken up with the Reconstruction Finance Corporation originally, instead of with the Bureau of Mines, However, if the Bureau can be of further service to you we will be glad to have a letter from you to that effect.

Yours very truly,

GLENN L. ALLEN
District Engineer

By: /s/ GLT
Glenn L. Thompson
Mining Engineer

WR
SL
GLA
Files

P.S. Please address reply to Bureau of Mines, Attention Glenn L. Thompson.

C O P Y

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Western Region
Economics and Statistics Service

206 U.S.Post Office Bldg.
San Francisco, Calif.

January 7, 1943.

Mr. E. F. Hunter, General Manager,
Malachite Gold, Silver & Copper Co., Inc.,
Park Station, Nevada.

Dear Mr. Hunter:

Your letter of December 31 and your report on the Malachite Gold, Silver & Copper Co., has been received, and I thank you for it.

As the investigation of potential producers of critical minerals such as copper is handled through our Reno office, it appears that you are already in touch with the agency of the Bureau of Mines which can consider your problems. However, I am sending a carbon of this letter to Mr. Glenn L. Allen, district Engineer in charge of our office in Reno, to make sure that the matter has come to his attention.

The map you enclosed is returned herewith.

I also suggest that you contact the Reconstruction Finance Corporation, 811 Vermont Avenue N.W., Washington, D. C., which is the agency that makes loans for developing critical minerals.

Yours very truly,

CHARLES W. MERRILL,
Supervising Engineer.

Enclosure.

cc - Glenn L. Allen - Reno.

C O P Y

MALACHITE GOLD, SILVER & COPPER COMPANY, INC.

Properties
Lone Mountain
Elko County, Nevada

Park Station, Nev.
Dec. 31st/42

United States
Department of the Interior
Bureau of Mines

Gentlemen:

I am enclosing herewith a map of the Malachite Gold, Silver & Copper Company, Inc., showing the development work and the amount of tonnage blocked out from 1938 to the year ending 1942.

The shipments made by us from the property were in 1939 and were so unsatisfactory we decided to develop, block out the ore and leave it in the mine.

During the year of 1942; as per map, we traced this ore body from shaft(1) on map to shaft (A) and contacted the vein under the overburden and sank a shaft 36 ft showing the vein 24 ft wide; contacting the foot wall we went to the 36 ft level and cross cut and are in 14 ft and all ore.

In doing this we have blocked out at least 5000 tons of 15% copper ore between shaft (A) and shaft (B).

We then took the matter up with the U. S. Bureau of Mines at Washington, D.C. and they finally transferred us to Reno, The engineer a Mr. LaDell made the examination and passed faverable to us. This was some 3 months ago.

Page 2

with no further word from the office in Reno, Nev.

We wanted a small loan enough to put on 2 shifts, purchase a $750.00 International engine to run our compressor, break 5 ft of highgrade copper and start shipping at once and leave the $10.00 stand in the mine.

Therefore we had to shut down in November as the two of us could not put up any more money.

If you will kindly return this map to me will appreciate it very much and if you can do anything in regards to this matter please do so.

Thanking you very kindly and hoping to hear from you, I remain yours truly.

/s/ E. F. Hunter - Gen. Mgr.

C O P Y

P. O. Box 1551 AJE/fs

Reno, Nevada
August 11, 1942

Mr. E. F. Hunter
Malachite Gold, Silver & Copper, Inc.,
Park Station, Via Elko, Nevada

Dear Sir:

Correspondence relating to the Malachite property at Lone Mountain has recently been forwarded to this office from the Salt Lake City office of the U. S. Bureau of Mines.

I plan to have an engineer from this office in the area north of Elko shortly, and will try to arrange to have him examine your property at an early date.

Very truly yours,

GLENN L. ALLEN
District Engineer

By
A. John Eveland
Mining Engineer

cc Project Files
Files

C O P Y

MALACHITE GOLD, SILVER & COPPER COMPANY, INC.

Park Station, Nev.
Via: Elko, Nevada

Aug. 11th, 1942

Properties
Lone Mountain
Elko County, Nevada

Mr. Glenn G. Allen
District Engineer: Bureau of Mines
Reno, Nevada

Dear Sir:

Upon receiving a letter from Mr. M. W. St. Clair Assistant Regional Engineer, Western Region that you were to make an examination of the Malachite Gold, Silver & Copper Co. Inc. property, situated on Lone Mt., 30 miles north of Elko, Nevada on the Mt. City Highway. If you are traveling by automobile please stop at Park Station 23 miles out of Elko for further information concerning where to locate us and about what date we can expect you. If you travel by rail we could meet you in Elko and drive you to the property.

Thanking you very kindly and hoping to hear from you I am. Your truly:

/s/ E. F. Hunter, Gen. Mgr.

C O P Y

July 30, 1942

/jb

Mr. E. F. Hunter, Gen. Mgr.,
Malachite Gold, Silver and Copper Co., Inc.
Park Station,
Via Elko, Nevada.

Dear Mr. Hunter:

The correspondence relating to your gold, silver and copper property located in Elko County, Nevada, sent to this office from the Washington office of the Bureau of Mines, has been studied and referred to Mr. Glenn L. Allen, our District Engineer for the state of Nevada, for further investigation.

Further correspondence in this regard should be addressed direct to him. His address is Mr. Glenn L. Allen, District Engineer, Bureau of Mines, Box 1551, Reno, Nevada.

Very truly yours,

H. W. St. CLAIR,
Assistant Regional Engineer,
Western Region.

cc:Mr. Glenn L. Allen -- (Attached)
File — 6/2/42 letter -E.F.Hunter to Bureau of Mines
WR — 6/18/42 letter -Bureau of Mines to E.F.Hunter
DF — 6/25/42 statement -E.F.Hunter to Bureau of Mines
7/16/42 C.E.Julihn to E.F.Hunter

C O P Y

July 16, 1942

Mr. E. F. Hunter, General Manager,
Malachite, Gold, Silver & Copper Company, Inc.,
Park Station,
Via Elko, Nevada

Dear Sir:

The Bureau of Mines acknowledges receipt of your statement of June 23, concerning property of the Malachite, Gold, Silver & Copper Company, Inc., that contains gold, silver and copper and is located in Elko County, Nevada.

This statement is much appreciated and has been referred, together with our previous correspondence, to Mr. S. R. Zimmerley, Regional Engineer, Bureau of Mines, Salt Lake City, Utah, with instructions to give your property his earliest attention consistent with his previously arranged schedule of proposed examinations. Mr. Zimmerley has charge of all mining and exploration work of the Bureau in the Western Region, which includes Nevada.

Very truly yours,

C. E. Julihn,
Principal Mining Engineer,
Resources and Laboratories Service.

cc: Mr. Zimmerley....Attached:
6/2/42 letter - E. F. Hunter to Bureau of Mines.
6/19/42 letter - Bureau of Mines to E. F. Hunter.
6/23/42 statement - E. F. Hunter to Bureau of Mines.

Mr. Julihn

W. O. Files

C O P Y

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON

Statement of Facts as to the Location and Nature of Properties Containing Strategic Minerals or Metals

The Bureau of Mines was authorized by the Strategic Materials Act, Public No. 117, 76th Congress; Chapter 190, 1st Session, to make investigations of ore deposits containing strategic minerals. Deposits of antimony, chromium, manganese, mercury, nickel, tin, and tungsten were of especial interest, at first. At present other metals and minerals are being investigated as well.

No application for preliminary examination of properties is necessary, but the Bureau of Mines welcomes statements of facts as to the location and nature of properties anyone deems worthy of investigation, as this will aid in determining whether they are of sufficient promise to warrant their examination.

Information especially desired by the Bureau in regard to such properties may be listed below. Extend remarks on a supplementary sheet as necessary.

Statement

Made by E. F. Hunter, Gen.Mgr. Address Via Elko Park Station Nevada Date June 23rd, 1942

Name of Property Malachite, Gold, Silver & Copper Co. Inc. Metal Gold, Silver & Copper

Owned by Controlled by J. E. Firth & E.F.Hunter Address Park Station, Nev.

Leased or optioned to _____ Address _____

Situated in:

Section ___ ; Township Lone Mt. ; Range Merrimac ; Elko County ; Nev. (State)

Give detailed directions for reaching property from nearest town:

Call at Park Station 23 miles north of Elko on Mt. City Highway Property 7 miles from there road conditions excellent.

Name and address of local resident who can direct to the deposit Mrs. J. E. Firth or Mrs. E. F. Hunter Park Station

History This property has been under development by us since 1938.

Shipments of ore made Two to American Smelter Salt Lake ore Mt. 10.00 per ton.

(over)

(Continued from other side)

Known dimensions of the deposit:

Length 2,000 feet; Width 8 to 24 ft. feet; Depth 40 to 100 feet.

Inclination:

Workings 3 shafts all ore 2 tunnels in ore, 140 ft and 80 ft. open cuts exposing ore 2

General description of mineral showings; We have copper in sulphide form assaying from 4 to as high as 25%. Our ore also contains 18% magnesium carbonate, AND SOME OF OUR VEINS CARRY MAGNETITE IRON AS HIGH AS 49%. THIS PROPERTY IS A big low grade mine with an estimate of between $5.00 and $10.00 per ton. That is take everything across 24 ft width

Sampling and assays We have assay from 5.00 to over $100.00 per ton, averages not picked samples.

Maps or sketches, especially those showing location of individual samples, their widths and values.

(If available) Engineer's report by _____ submitted (to be returned
(not to be returned

Engineer's have examined property and all reported favorable but we have no reports by them as they represent large mining interests.

COPY

June 19, 1942
EJC/rs

Mr. E. F. Hunter, General Manager,
Malachite Gold, Silver & Copper Company, Inc.,
Park Station,
Via Elko, Nevada.

Dear Sir:

Replying to your letter dated June 2, regarding a copper mine on Lone Mountain in Elko County, Nevada:

Since 1939 this Bureau has been conducting the Strategic Minerals Investigations. In this work numerous domestic deposits of antimony, chromium, manganese, mercury, nickel, tin, and tungsten have been examined and some of the more promising have been explored at Government expense.

The nature of this work and the procedure of the Bureau in conducting it are explained in the enclosed copy of "Exploration of Strategic Mineral Deposits."

In anticipation of an expansion of its Strategic Minerals Investigations, the Bureau of Mines is gathering preliminary information on ore deposits of copper.

It is requested that you supply further information on the enclosed form, together with any other data that may be significant, in order to facilitate consideration by the Bureau of Mines of the deposit to which you refer.

Very truly yours,

CHAS. F. JACKSON (Stamp)

Chas. F. Jackson,
Chief, Mining Division.

Enclosure 29

cc: Mr. Julihn
W. O. Files

COPY

MALACHITE GOLD, SILVER & COPPER CO., INC.

Park Station
via: - Elko, Nev.
June 2, 1942

U. S. Bureau of Mines

Washington, D. C.

Gentlemen:

We have uncovered and developed a large copper on Lone Mountain and as we understand copper at present is very important. Thought it possible for you to send in Government Engineers to sample and look over property and put under immediate production:-

Thanking you very kindly I remain

E. F. Hunter, Gen. Mgr.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

P. O. BOX 1551
RENO, NEVADA

Refer to	Noted	Date
	[illegible]	1/4
Answered		

January 3, 1952

Memorandum

To: H. C. Miller, Regional Director, Region III

From: Chief, Mining Division, Region III

Subject: Docket DMA-2083

In compliance with your memorandum of Dec. 21, relative to the above DMA docket, there is enclosed all of the information that we have in the Division Office on Mr. E. F. Hunter's mineral property in Elko County, Nevada, for your information.

A. C. Johnson

A. C. Johnson

Encls.

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED

1952 JAN 4 AM 11 : 07

SAN FRANCISCO, CALIFORNIA

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco, 2, Calif.

December 21, 1951

Memorandum

To: A. C. Johnson, Bureau of Mines, Reno, Nevada

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DM-2083

A copy of a letter received today from Lowell B. Moon is attached.

Kindly let me have any information you have on the Hunter deposit.

H. C. MILLER

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

HCMiller:ejs

Files
Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

Refer to	Noted	Date
Answered		

December 17, 1951

AIR MAIL

Mr. Harold C. Miller, Regional Director
Region III, U. S. Bureau of Mines
1012 Flood Building
870 Market Street
San Francisco 2, California

Dear Mr. Miller:

Mr. E. F. Hunter, P. O. Box 381, Elko, Nevada, has filed an application for a direct loan of $50,000 (DMA-2083) to be used at a tungsten property in Elko County, Nevada. This is now being considered by DMPA.

Mr. Hunter states, "U. S. Bureau of Mines engineer at Reno, Nevada has my reports, assays, etc. I sent them to him about 7 months ago to be presented to the RFC."

The property is 33 miles north of Elko, Nevada on Mountain City Highway, 2½ miles off Tuscarora gravelled highway, and 7½ miles from the Rip Van Winkle mine.

If the Bureau of Mines has any information on this deposit, it will be appreciated by DMPA for use in consideration of the application. Please forward any data pertinent to this matter to me. Any documents you wish to have returned will be sent back in a few days.

Very truly yours,

Lowell B. Moon

Lowell B. Moon, Chief,
Minerals Division

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION III
RECEIVED

1951 DEC 21 AM 8:50

SAN FRANCISCO, CALIFORNIA