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R.F.C. file

WESTERNER GOLD LEAD MINES (file)

SENATOR DIST. (CROOK CANYON)  
YAVAPAI COUNTY

See: VINDICATOR MINE (file)

See: VENEZIA MINES (file)

WESTERNER GOLD LEAD MINES

September 10, 1942

Hassayampa Mining District

Earl F. Hastings

Reconstruction Finance Corporation  
Preliminary Development Loan

*Approved*

Docket No.	C-ND-35
Date Application Received	September 4, 1942
Date of Field Examination	None
Date of Report	September 10, 1942

1. Name and address of applicant (correspondent):  
Roma Tomlinson, Prescott, Arizona.
2. Character of Project and estimated cost thereof:  
Extend tunnel 500 feet - \$5,000.
3. Location of property:  
Hassayampa Mining District, approximately 19 miles from Prescott, Arizona.
4. Applicant's interest in or ownership of property:  
Owner.
5. Loan requested:  
\$5,000.
6. Loan recommended:  
None.
7. Comments:  
(A) Since the workings are accessible and the proposed work is of purely a development or exploration nature, this property should not be eligible for a Class "C" loan. The docket should be reviewed as a Class "B" application according to our interpretation of the various types of loans.

ARIZONA DEPARTMENT OF MINERAL RESOURCES

Earl F. Hastings, Assistant Director  
and Projects Engineer

Reviewed and Approved by:

J. S. Coupal, Director

RECONSTRUCTION FINANCE CORPORATION  
MINING DIVISION  
LIQUIDATION REPORT OF SUPERVISING ENGINEER

Docket No. ND-5668 (C-ND-7751)  
Roma Tomlinson  
February 28, 1944

1. NAME AND ADDRESS OF APPLICANT

Roma Tomlinson  
Western Gold Lead Mines  
Groom Creek Stage Route  
Prescott, Arizona

2. LOCATION OF PROJECT

In the Hassayampa Mining District, Yavapai County, Arizona,  
about 16 miles from Prescott.

3. AMOUNT OF LOAN AND DATE OF AUTHORIZATION

\$5,000 December, 1942

4. PURPOSE FOR WHICH LOAN WAS EXPENDED

To rehabilitate an old adit in applicant's lead-zinc mine.

5. EQUIPMENT

a. No equipment was purchased under loan funds as only  
picks, shovels, and a wheelbarrow were used and  
these have no salvable value.

b. No equipment of value on hand.

6. PROPERTY

Borrower holds property by right of location under  
State and Federal laws.

7. COMMENTS

Operations ceased in July, 1943.

8. CONCLUSION

The proposed project failed to develop any material  
quantity of ore and there is no equipment worth  
salvaging.

9. RECOMMENDATIONS

It is recommended that this account be closed.

WILLIAM B. MAITLAND  
Supervising Engineer

Roma Tomlinson

ND 5658 (CND 7757)

Feb 28, 1944

1. Name and Address of applicant

Roma Tomlinson

Western Gold Lead Mines

Groom Creek Stage Route

Prescott, Arizona

2. Location of Project

471  
in the Hassayampa Mining District, Yavapai County, Arizona, about 16 miles from Prescott.

3. Amount of loan and Date of authorization

Dec 1942 \$5000.

4. Purpose for which loan was expended

To rehabilitate <sup>and</sup> ~~applicant's~~ ~~adit~~ ~~to~~ ~~open~~ ~~possible~~ in applicant's lead-zinc mine

5. Equipment

a No equipment was purchased under loan funds as only picks, shovels, and a wheelbarrow were used and these have no salvageable value

b No equipment of value on hand

6. Property

a ~~Property is owned by applicant. Nine unpatented claims.~~

Borrower holds property by right of locator under state and federal laws

7. Comments

operations ceased in July 1943

8. Conclusion

The proposed project failed to develop any material quantity of ore and there is no equipment

worth salvaging

9. Recommendations

it is recommended that this account be closed

Wm B Muthard

Long City

Stope

No 5

Thru  
No 1 - 16"

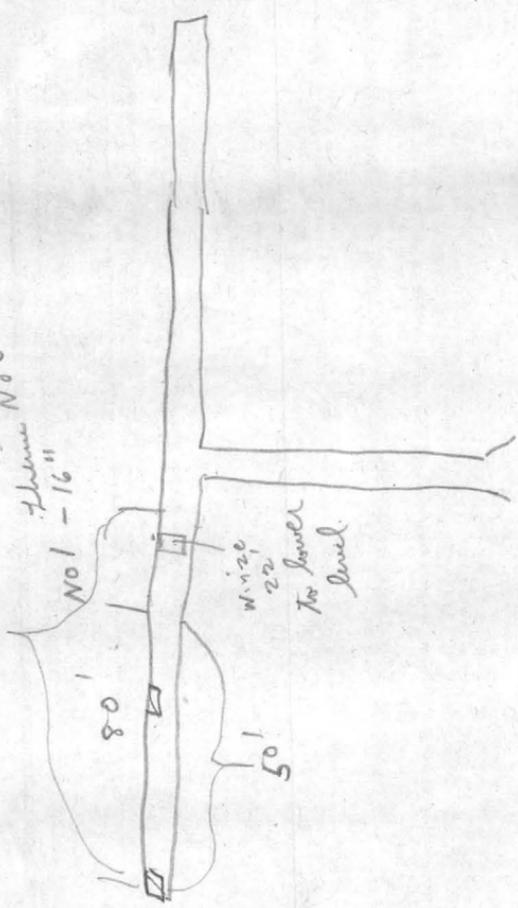
No 1

80

Wire  
22

To level  
level

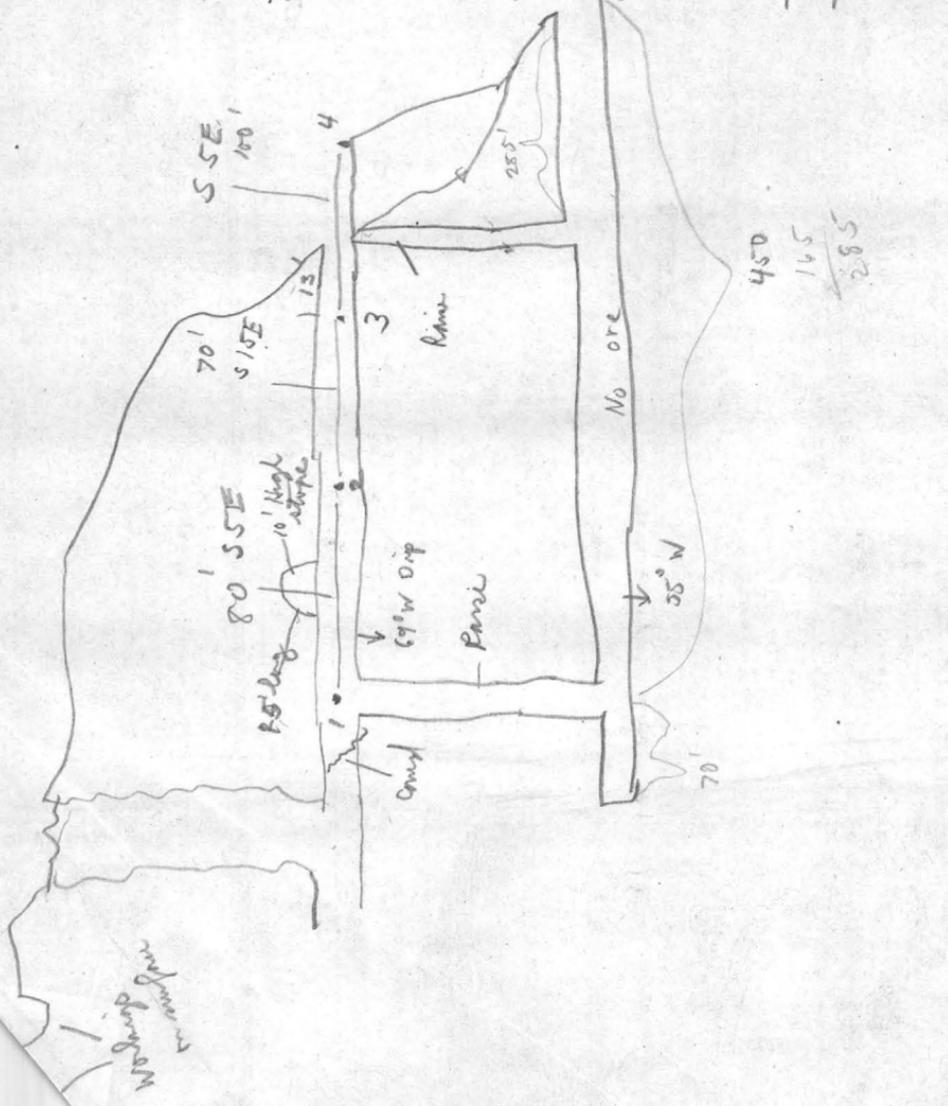
50



Westerman mine

April 30, 1943

Lower tunnel Due N 68° W dip fracture



Working surface

RECONSTRUCTION FINANCE CORPORATION

MINING DIVISION

MEMORANDUM REPORT OF SUPERVISING ENGINEER

Docket No. C-ND-7757. . . .Roma Tomlinson  
Date of Examination . . . .April 30, 1943  
Date of Report . . . . . May 13, 1943

At the request of the applicant, I visited the above captioned mine on April 30, 1943.

After the applicant had cleaned out two tunnels, one 520' and the other 168' long, she found that neither tunnel agreed with the map she had of the mine and that neither tunnels contained any ore. Attached to this report is a copy of the rough map I made at the time of my visit and also a copy of the applicant's map, which was found in error.

Four men were working on this project and no equipment had been purchased. The applicant still has available about \$2,000.00 of the original \$5,000.00 Accessibility Loan. The applicant showed me another tunnel that did contain a fair grade of lead-zinc sulphide ore. This tunnel is on the same vein as the two tunnels mentioned above, but is about 1,000' farther to the north and on the other side of a small mountain. After considerable difficulty, I entered the workings and was able to obtain one sample, the certificate of which is attached to this report.

I recommended that the applicant clean out these workings in order to make them accessible for sampling. If the loan funds had all been spent on this tunnel, it is ~~probable~~<sup>possible</sup> that the property could have started shipping on the original \$5,000.00. It was impossible for me to determine the amount of ore available in these workings as there was considerable water backed up in the tunnel, the vein was covered with leached iron and zinc and some of the timber was so rotten that the taking of samples would be very hazardous. However, the loan funds available should be ample to put the workings in good shape for a thorough inspection.

WM. B. MAITLAND  
Supervising Engineer

Enclosure  
2c maps  
assay certificate

No. 331 Ma

Phoenix, Arizona,

May 4, 1943.

CHAS. A. DIEHL

# ARIZONA ASSAY OFFICE

Phone 3-4001

815 North First Street

P. O. Box 1148

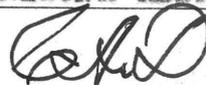
This Certificate That samples submitted for assay by Mr. Wm. B. Maitland.

contain as follows per ton of 2000 lbs. Avoir.

MARKS WESTERNER	SILVER		VALUE (Oz.)	GOLD		VALUE (Oz.)	TOTAL VALUE Of Gold and Silver	PERCENTAGE			REMARKS
	Ounces	Tenths		Ounces	Hundredths			LEAD	COPPER	ZINC	
No. 1 16 <sup>00</sup>	3	7		.28		\$9.80		5.33	.80	6.60	

Charges \$ 4.50

Assayer ARIZONA ASSAY OFFICE



Finished

Memorandum of Visit of  
Supervising Engineer

Applicant Roma Tomlinson  
Docket CND - 7757

at the request of the applicant I visited the above captioned mine on April 30, 1943.

After the applicant had cleaned out two tunnels, one 520 feet and the other 168 feet long she found that neither tunnel agreed with the maps she had of the mine and that neither tunnels ~~had~~ contained any ore. Attached to this report is a copy of the <sup>rough</sup> map I made at the time of my visit and also a copy of the applicants map which was found in error.

Four men were working on this project and no equipment had been purchased. The applicant still has available about \$2000 of the original \$5000 accessibility loan. The applicant showed me another tunnel that did contain a fair grade of lead-zinc sulfide ore. ~~After~~ This tunnel is on the same vein as the two tunnels mentioned above but is about one thousand feet farther to the north and on the other side of a small mountain. After considerable difficulty I entered the workings and was able to obtain one sample, the certificate of which is attached to this report. I recommended that the applicant clean

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workings as there was considerable water packed  
up in the tunnel, the vein was covered with  
leached iron and zinc and some of the timber  
was so rotten that the taking of samples would  
be very hazardous. However the <sup>loan</sup> funds available  
should be ~~apl~~ ample to put the workings in  
good shape for a thorough inspection

Wm B Mather  
Surge. Eng.

Letter of transmittal

Quigley

June 24, 1913  
Upper Summit Stage

Sample No 1 A - 14" at old sample

0.22 oz Au, 8.80 oz Ag No 104  
0.30% Cu, 20.33% Pb, 29.35% Zn

Sample No 2 A - 44" at old sample

0.24 oz Au, 5.10 oz Ag, 0.06% Cu No 110  
9.72% Pb, 8.35% Zn

Sample No 3 A - 20" at old sample

0.38 oz Au, 0.60 oz Ag, 0.25% Cu No 109  
0.20% Pb, 4.35% Zn

Sample No 4 A - 6" at old sample

0.28 oz Au, 5.10 oz Ag No 107  
0.50% Cu, 10.67% Pb  
13.50% Zn.

*Western*

RECONSTRUCTION FINANCE CORPORATION

*mine*

MINING SECTION

REPORT OF SUPERVISING ENGINEER

*Granted  
7-1943*

Docket No. ND-6366 - Harold Johnson and J.A. Quigley, G.D., Prescott, Arizona

Date authorization for Examination  
Received . . . . . June 8, 1943  
Date of Examination, Incl. . . . . June 24, 1943  
Date of Report . . . . . July 5, 1943

(1) NAME AND ADDRESS OF APPLICANT

Name: Harold Johnson and J. A. Quigley  
Address: General Delivery  
City & State: Prescott, Arizona  
Correspondent: Harold Johnson

(2) CHARACTER OF PROJECT

To make accessible a lead-zinc ore shoot developed by three partly caved tunnels.

(3) LOCATION OF MINE

Township, range, section: T 12 N, R 1 W, G. & S.R. B. & M.  
County and State: Yavapai, Arizona  
Name and distance by road to nearest railway station:  
The mine is located 15 miles southeast of Prescott, a town on the Santa Fe Railroad.

Condition and seasonal accessibility of road, from mine to railway: The mine workings are located approximately one mile from the road. This road is a good graded dirt road for about half the way to Prescott and the balance is paved. Except for a few days after infrequent snow storms in the winter time the road should be accessible at all times of the year. The mine is at an elevation of 6,000'.

Before ore can be shipped from this deposit, about one mile of road must be constructed. This should not cost more than \$1,500.00 as the road will follow a stream bed for most of the way. Ore would be shipped to the Iron King Custom Mill, located at Humboldt, which is 25 miles from the mine by way of a graded dirt road.

(4) APPLICANT

Harold Johnson, who will be in charge of the work, is an experienced miner and is now employing two men which is all that is necessary for this project. Mr. Johnson has been in charge of the work on other loans and has proven himself to be an experienced and economical operator.

J. A. Quigley is a graduate mining Engineer with many years experience in the past with the Phelps-Dodge Corporation. He will assist Mr. Johnson on all engineering work.

(5) LOAN REQUESTED

The application calls for a loan of \$5,000.00, but after I had inspected the mine and discussed the project with the applicants, they have agreed that \$3,000.00 will be sufficient as shown by the attached letter.

(6) DESCRIPTION OF PROJECT

A. General Features

The applicants' hold a lease on the property. Under the terms of the lease, they are required to pay a royalty of 10% on all ores whose net smelter return is less than \$20.00 per ton, 12-1/2% on ores from \$20.00 to \$25.00; 15% from \$25.00 to \$30.00; 17-1/2% from \$30.00 to \$35.00; 20% from \$35.00 to \$40.00; and 22-1/2% over \$40.00. Sixty men shifts per month must be performed and the lease is in effect as long as requirements are met. The property consists of six unpatented claims.

To-date, I believe the applicants have not spent more than a few hundred dollars on these claims. A brief report by E. L. Tomlinson, E.M. is attached to their application and this report states that sulphide ore was found in the middle tunnel which is now inaccessible. The applicant also submits a plan map of the workings which was found to be correct. Attached to this report is a Section along the plane of the vein which map was based on the applicants' plan map, but also shows the samples taken by this Engineer.

The applicant has taken 17 samples, the results of which are shown on his assay sheet and on the accompanying map. This engineer took four samples in the best parts of the ore remaining in the margins of the stope above the upper tunnel. These samples were not taken to represent mineable ore left in the mine at this point, but merely to determine approximately what type of ore was originally stoped by the former operators, i.e., the best grade of ore the mine could be expected to produce. Since the most important part of the mine is now inaccessible, (the middle tunnel), no attempt has been made to determine the theoretical grade of ore that can be expected.

B. Economic Considerations:

As stated before, the mine consists of three adit tunnels, each 85' apart and on the same nearly vertical vein. The lower tunnel is entirely accessible and is in fairly good shape. It follows a definite fissure and contains a little low grade

gold quartz mineralization, but this tunnel has not been driven in far enough to reach the sulphide ore shoot exposed in the upper tunnel.

The middle tunnel is caved a short distance back from the portal so is inaccessible. This cave is caused by surface detritus being washed in through a raise that reaches the surface. The dump of this tunnel contains a considerable amount of sulphide lead and zinc ore pieces.

The upper tunnel is mostly accessible except under the old stope. The drift timbers below the stope have failed so the drift is blocked. However, since this stope reached the surface it is possible to examine the upper margins of the ore shoot. The stope has been filled. I believe it advisable to clean out the upper tunnel in order to make the floor of the drift accessible for sampling.

The walls of the vein consist of granite cut by minor basic and acid dikes. A definite fissure partly filled with quartz is found in all three tunnels, although the outcrop of this vein is not discernable due to a heavy soil mantle and vegetation.

Ore minerals are sphalerite and galena, with minor amounts of chalcopyrite.

(7) NATURE OF EXPENDITURES

To clean out middle tunnel	\$2,000.00
To make accessible upper tunnel . . . . .	500.00
Reserve for contingencies . . . . .	<u>500.00</u>
Total for loan . . . . .	\$3,000.00

(8) EQUIPMENT

Under this project no equipment will be necessary as the applicants already have the necessary picks, shovels and wheelbarrows.

If a commercial body of ore is made accessible by this loan, the only equipment necessary will be a small Compressor and a stoper as the mine already has cars and track, and no mill will be necessary as the ore will be shipped to the Iron King Custom Mill. The ore will be hauled by contract trucks.

(9) COMMENTS OF SUPERVISING ENGINEER

I believe that a loan is justified in this case for the following reasons:-

ND-8386

- A. The amount of money required is small.
- B. The applicants appear to be competent.
- C. The assays indicate it is possible that high grade zinc ore will be made accessible.
- D. Little equipment will be necessary to place this property on production later.
- E. Applicants are now employing all the men necessary to operate the mine.

WM. B. MAITLAND  
Supervising Engineer

# Report of Supervising Engineer

Docket No ND 8366

Date Authorization for Examination

Received June 8, 1943

Date of Examination, inclusive

June 24, 1943

Date of Report

## 1. Name and Address of Applicant

Name Harold Johnson and J. A. Quigley

Address Gen. Del ~~Prescott~~

City & State - Prescott, Arizona

Correspondent Harold Johnson.

## 2. Character of Project

To make accessible a lead-zinc ore shoot developed by three partly caved tunnels

## 3. Location of Mine

Township, range, section - T. 12 N., R. 1 ~~W~~ <sup>G+SR</sup>

County and state - Yavapai Co., Arizona <sup>B+M</sup>

Name and distance by road nearest railway

station - The mine is located 15 miles south east of Prescott a town on the Santa Fe Railroad

① Condition & seasonal accessibility of road, mine to railway - The mine workings are located approximately one mile from the road. This road is a good graded dirt road for about

half the way to Prescott and the balance is paved. Except for a few days after infrequent snow storms in the winter time the road should be accessible at all times of the year. The mine is at an elevation of 6000 feet.

Before ore can be shipped from this deposit about one mile of road must be constructed. This should not cost more than \$1500 as the road will follow a ~~water~~ stream bed for most of the way. Ore would be shipped to the Crown King Custom Mill located at Humboldt which is 25 miles from the mine by way of a graded dirt road.

#### 4 Applicant

Harold Johnson who will be in charge of the work is an experienced miner and is now employing two men which is all that is necessary for this project. Johnson has been ~~in~~ in charge of the work on other loans ~~projects~~ and has proven himself to be an experienced and economical operator.

J. A. Quigley is a graduate mining engineer with many years experience in the past with the Phelps Dodge Corporation. He will assist Johnson on all engineering work.

#### 5. Loan Requested

The application calls for a loan of \$5000 but after I had inspected the mine and discussed the project with the applicants they have agreed that \$3000 will be sufficient as shown by the attached letter.

## 6. Description of Project

### A. General Features

The applicants hold a lease on this property. Under the terms of the lease they are required to pay a royalty of 10% on all ore whose net smelter returns is less than \$20 per ton, 12½% on ore from \$20 to \$25, 15% from \$25 to \$30, 17½% from \$30 to \$35, 20% from \$35 to \$40, and 22½% over \$40. Sixty man shifts per month must be performed and the lease is in effect as long as requirements are met. The property consists of six unpatented claims.

To date I believe the applicants have not spent more than a few hundred dollars on these claims. A brief report by E. L. Tomlinson, E. M. is attached to their application and this report states that sulfide ore was found in the middle tunnel which is now inaccessible. The applicant also submits a plan map of the workings which was found to be correct. Attached to this report is a section along the plane of the vein which <sup>map</sup> was based on the applicants plan map but also shows the samples taken by this engineer.

(3) The applicant has taken 17 samples the results of which are shown on his assay sheet and on the <sup>accompanying</sup> attached map. This engineer took four samples in the best parts of the ore remaining in the margins of the slope above the upper tunnel. These samples were not taken to

represent, ore left in the mine at this point but merely to determine approximately what type of ore was originally stoped by the former operators, i.e. the best grade of ore the mine could be expected to produce. Since the most important part of the mine is now inaccessible (the middle tunnel) no attempt has been made to determine the theoretical grade of ore that can be expected.

### Economic Considerations

As stated before the mine consists of three adit tunnels each 85 feet apart and on the same nearly vertical vein. The lower tunnel is entirely accessible and in it is fairly good shape. It follows a definite fracture and contains a little low grade gold quartz mineralization but this tunnel has not been driven in far enough to reach the sulfide ore shoot exposed in the upper tunnel.

(4)

The middle tunnel is caved a short distance back from the portal so is inaccessible. This cave is caused by surface detritus being washed in thru a raise that reaches the surface. The dump of this tunnel contains a considerable amount of sulfide lead and zinc ore pieces.

The upper tunnel is mostly accessible except under the ~~the~~ old stopes. The drift timbers below the stopes have failed so the

drift is blocked. However since this slope reached the surface it is possible to examine the upper margins of the ~~stope~~ ore shoot - The stope has been filled, I believe it is advisable to clean out the upper tunnel in order to make the floor of the drift accessible for sampling.

The walls of the vein consist of granite cut by minor basic and acid dikes. A definite fissure partly filled with quartz is found in all three tunnels altho the outcrop of the vein is not discernable due to a heavy soil mantle and vegetation.

One minerals are sphalerite and galena with minor amounts of chalcopisite.

### Mature of Expenditures

⑤	To clean out middle tunnel	\$2000
	To make accessible upper tunnel	500
	Reserve for contingencies	<u>500</u>
	Total for loan	\$3000

### Equipment

Under this project no equipment will be necessary as the applicants already have the necessary picks, shovels and wheelbarrows.

If a commercial body of ore is made accessible by this loan the only equipment necessary will be a small compressor and a stoper as the mine already has cars and track

and no mill will be necessary as the ore will be shipped to the Crown King Custom Mill. The ore will be hauled by contract trucks.

### Comments of Supervising Engineer

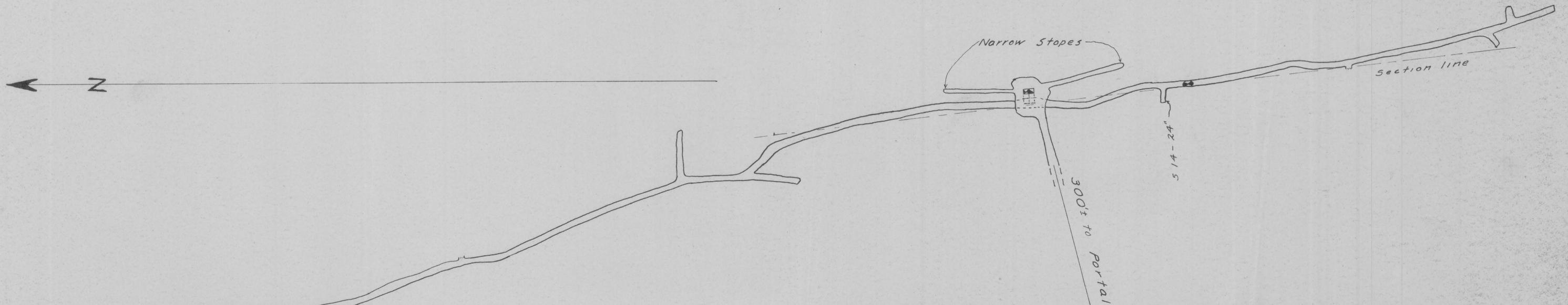
I believe that a loan is justified in this case for the following reasons:-

1. The amount of money required is small
2. The applicants appear to be competent
3. The assays indicate it is possible that high grade zinc ore will be made accessible
4. Little equipment will be necessary to place this property ~~later~~ on production later
5. Applicants are now employing all the men necessary to operate the mine

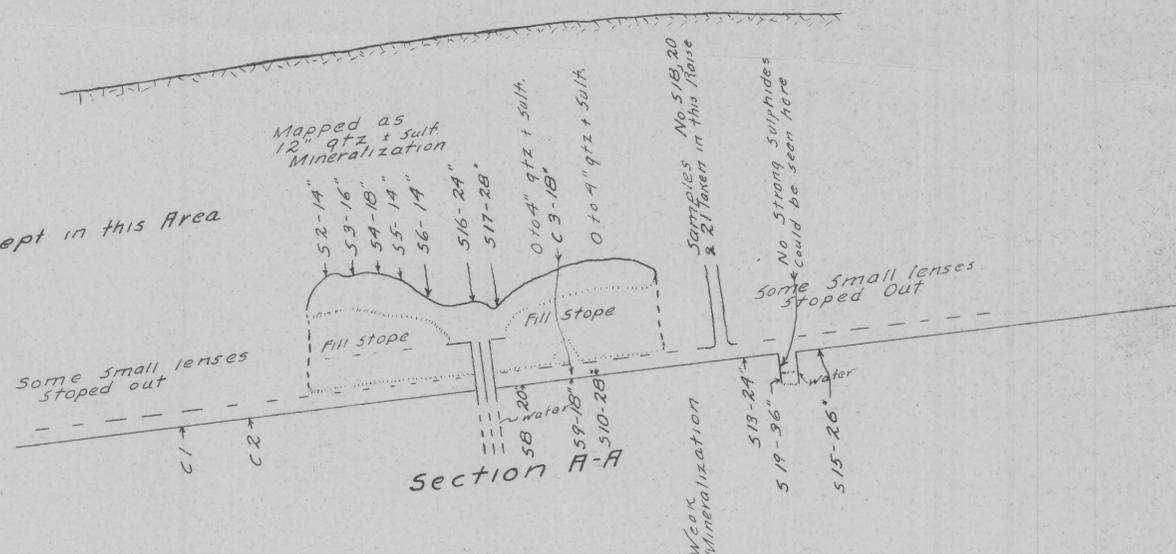
(6)

Wm B. [Signature]

Sup. Eng.



Only Occasional very Small Stopes Except in this Area



All Samples But C1,2&3 Taken by Correspondent's Foreman

**Roma Tomlinson**  
**Docket No-G-ND-7757**

North Workings  
 1" = 40'  
 Compass and Pacing Survey  
 Cazier

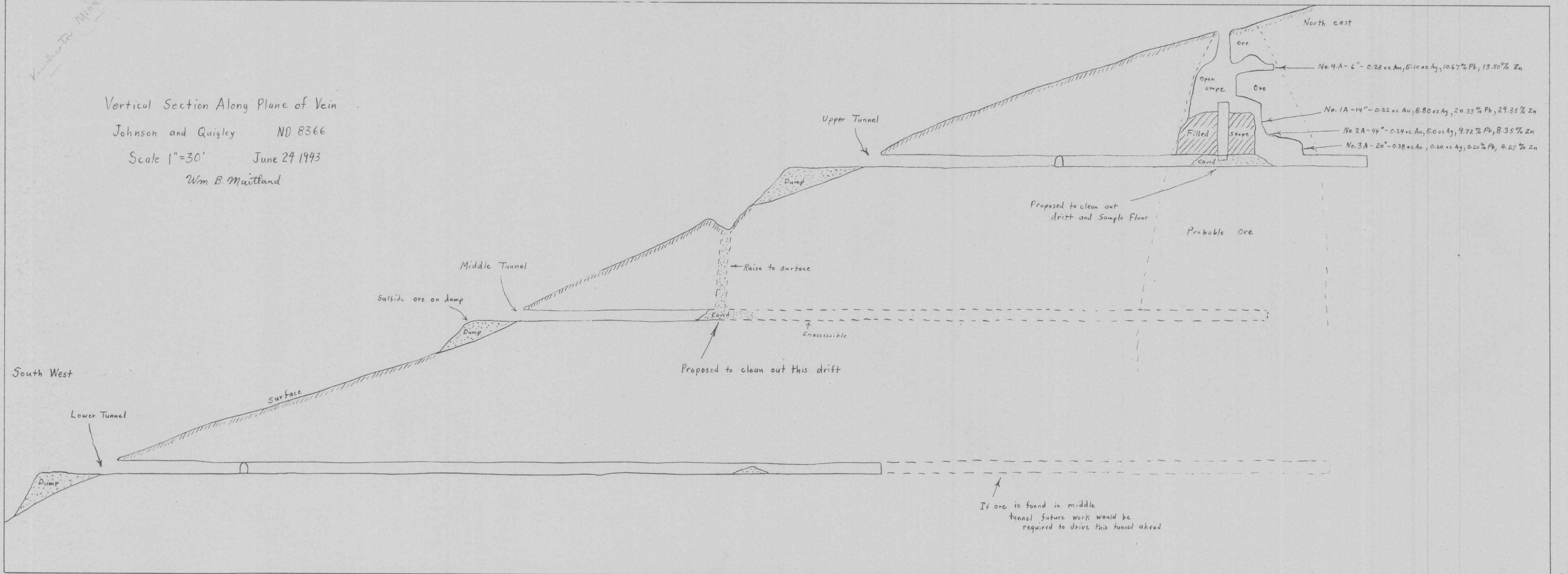
Kindred Mine

# Vertical Section Along Plane of Vein

Johnson and Quigley ND 8366

Scale 1"=30' June 24 1943

Wm. B. Maitland



Longitudinal Section Along Plane of Vein

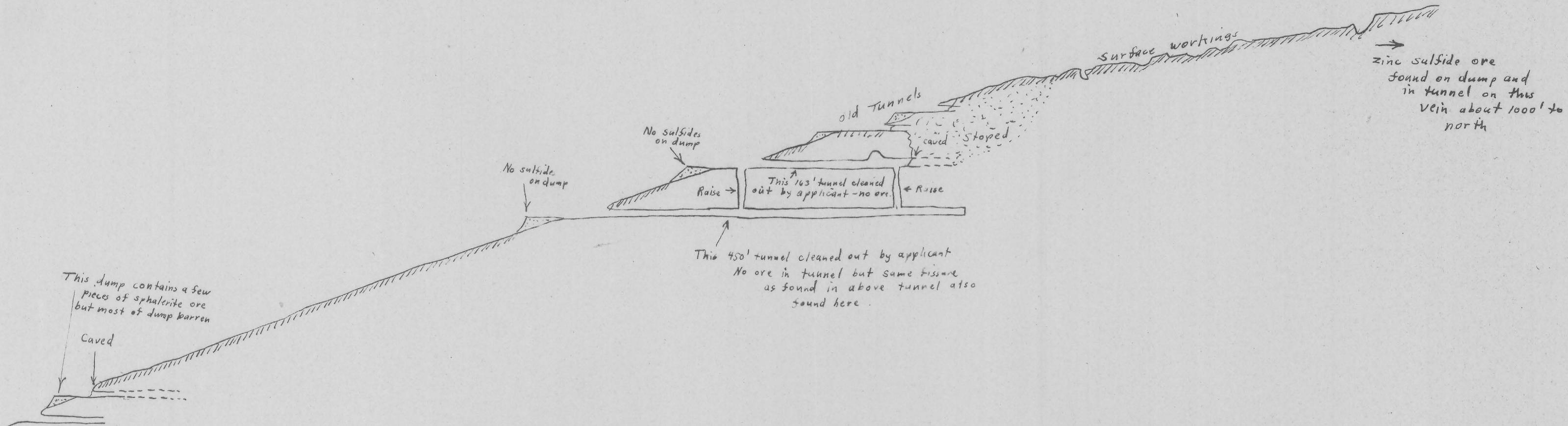
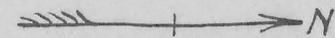
Western Vein

Docket No C-ND-7757

Applicant Roma Tomlinson

Scale 1"=100' April 30, 1943

Wm. B. Maitland

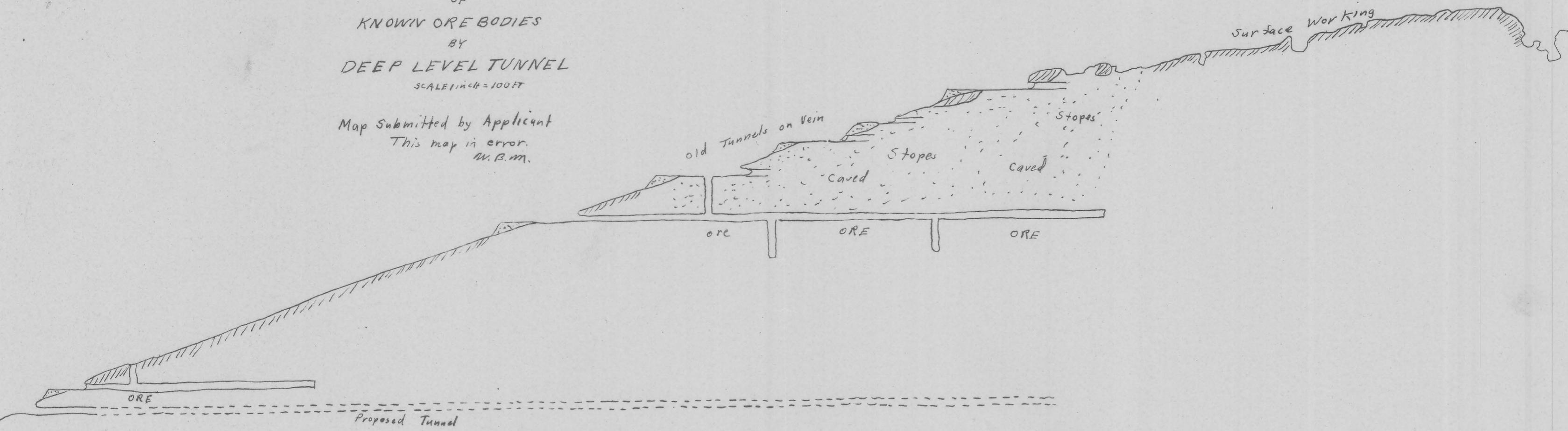
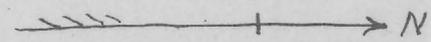


1960-01-0220-02  
BES/14

LONGITUDINAL SECTION  
OF  
WESTERNER VEIN  
SHOWING  
PROPOSED DEVELOPMENT  
OF  
KNOWN ORE BODIES  
BY  
DEEP LEVEL TUNNEL

SCALE 1 inch = 100 FT

Map Submitted by Applicant  
This map in error.  
M.B.M.



Tomlinson Engineers  
Yuma, Ariz

1960-01-0220-01 BE 5/14