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XXXXXXXXXXXXXXXXXXXX

325 Heard Building
Phoenix, Arizona
February 8, 1945

TULLY - Asst. Chief - Mining Section, RFC - Washington 25, DC

Re: Henrietta Miller and Walter N. Sim - Docket No. ND-8390

Enclosed please find, in duplicate, liquidation report on the
above-docketed project.

CAR
CHARLES A. PASOR
Supervising Engineer

CAR:sbm

Enc:

2c - liquidation report

RECONSTRUCTION FINANCE CORPORATION
MINING DIVISION
LIQUIDATION REPORT

Borrower: Henrietta E. Miller and
Walter N. Sim
Docket No: MD-8390
MD-5870
Date of Report: February 8, 1945

1. Name and Address of Applicant:

Henrietta E. Miller and Walter N. Sim
428 East 8th Street
Tucson, Arizona

2. Location of Project:

In unsurveyed portions of T. 17 S., R. 23 E., Cochise County, Arizona; about 22 miles from Tombstone, Arizona, the nearest railroad shipping point.

3. Amount of Loan and Date of Authorization:

A loan of \$3,500.00 was approved on July 16, 1943.

4. Purposes for which Loan was Expended:

To develop the showing of zinc-copper ore by crosscutting from shaft. Borrower did 7 feet of crosscutting and bought some equipment which was hauled in by pack train.

5. Equipment:

A. List of equipment acquired:

1 - Jackhammer, C. P. No. 32-1171	\$ 260.00
1 - tigger hoist	225.00
100' 3/8" cable and 2 ore buckets	38.00
1 - used water pressure tank	10.00
190' 1 1/2" pipe	22.80
50' air hose	20.00
50' water hose	12.50
4 - pieces timber rods	15.00
Total:	<u>\$ 603.30</u>

B. Equipment on hand and Location:

Same as above and on property.

C. Disposition of equipment:

Equipment sold to Bargin Mines, Inc., Box 486, Tombstone, Arizona for \$500.00 on a monthly basis of \$100.00 per month commencing around February 1, 1945.

Liquidation Report
Re: Miller and Sim
Docket No. ND-8390
ND-5870

February 8, 1945

5. Equipment: (Cont).

C. Disposition of Equipment: (Cont)

The first cashier's check for \$100.00 has been received and forwarded to the Federal Reserve Bank.

D. No equipment remaining.

6. Property:

Borrower (which was a partnership but is now dissolved) had an option agreement dated June 2, 1943, but apparently has sold out this option agreement to others. This property was then taken over by Lewis, Skinner and Anderson (Docket No. ND-5974). A loan was granted, but they have refused the loan. Now they have sold out their interest and if the Reconstruction Finance Corporation has any interest in this property, that interest is not known.

7. Comments:

Operations by the Borrower terminated October 31, 1943. If there were any gasoline tax refunds and insurance refunds they were collected by the Borrower. Inquiry has been made but results have been unsatisfactory.

8. Conclusion:

The proposed project failed and Borrower has dissolved partnership. Leases held by Borrower have been sold and re-sold. Property is being operated by new owners of leases. Consequently, since the partnership has been dissolved and leases lost the loan should be considered a loss.

9. Recommendation:

It is recommended that this account be closed when the equipment now being purchased has been paid for and proceeds applied on Borrower's indebtedness.

CAR
CHARLES A. RASOR
Supervising Engineer

CAR:sbm

325 Heard Bldg.
Phoenix, Arizona
October 28, 1943

TULLY - Asst. Chief - Mining Section RFC - Washington
Re: Report on Miller & Sim - Docket No. ND-8390

Enclosed please find original and one copy of
Supervising Engineer's report on Mrs. Henrietta E.
Miller and Walter N. Sim - Docket No. 8390.

CAR
CHARLES A. RASOR
Supervising Engineer

CAR:MEW
Encs.

RECONSTRUCTION FINANCE CORPORATION
MINING DIVISION
REPORT OF SUPERVISING ENGINEER

Docket No. ND-8390
Date Authorization for Exam. 10/18/43
Date of Examination 10/20/43
Date of Report 10/28/43

The applicants applied and received a loan of \$3,500.00 from the Reconstruction Finance Corporation in July, 1943, to develop a showing of zinc-copper-ore exposed in a property they had leased known as the Abril Claims. These claims are in an inaccessible region of the Dragoon Mountains some 25 miles more or less north of Tombstone, Arizona. Applicants have submitted records of the expenditure of loan funds which are apparently in good order. However, they have applied for an additional loan of \$3,500.00 as they are out of money, and have not completed the originally proposed work.

The original program was to crosscut from bottom of 40 foot shaft to the ore body and sink 50 feet on the ore. The work was to be done by hand steel as applicants claimed the work could be done in this manner.

My examination has revealed that the applicants have done 7 feet more or less of crosscutting. In fact, the property is in the same condition as when examined by Mr. Frisbie.

Applicants explanation of not finishing program was the inability to obtain labor for hand drilling. Consequently, they bought powered equipment, namely gasoline compressor, air tuger hoist, two air machines, a quantity of power, steel, rails, supplies and camp equipment. All this equipment, machinery and supplies had to be packed in by burros. However, I do not believe this is any excuse for not making a little better showing. I do not believe the applicants are capable of operating a property. Mr. Sim did not give much of his time to the operation as he is in charge of the Leadville Mine near Courtland, Arizona and another property in the Patagonia district by his own admission. Certainly Mrs. Miller did not spend much time at the property.

1. Name and Address of Applicant

Mrs. Henrietta E. Miller and Walter N. Sim
428 East Eighth Street
Tucson, Arizona

Correspondent: Walter N. Sim
Pearce, Arizona

2. Character of Deposit

To finish original proposed program of developing zinc-copper ore showing.

3. Location of Property

Same as before

4. Applicant

Same

5. Loan Requested

Additional \$3,500.00
Loan not recommended.

6. Comments of Supervising Engineer:

After it was ascertained that applicants had done less than 10 feet of cross-cutting to develop the ore, considerable time was spent in re-examining the original

ore showing and sampling the rest of the vein. Originally Mr. Frisbie took one sample across the foot wall of the ore exposure, because the applicants claimed they intended to develop only that part of the vein. This sample assayed across 5 feet 2 inches, 0.5% copper, 0.2% lead and 46.3% zinc.

As the vein is a bedded deposit formed by contact metamorphism, it was believed that more samples along the ore zone might help in evaluating the property. Thus three more samples were taken beginning at the end of Mr. Frisbie's sample. They are recorded as follows:

		Pb.	Cu.	Zn.
No. 129	60 inches	.81%	1.21%	.50%
No. 130	60 inches	.30%	.65%	.34%
No. 131	72 inches	.40%	.75%	.37%

Also a sample was taken across the roof as much filled the floor for taking samples there. This sample assayed as follows:

No. 132	60 inches	.40%	1.21%	0.42%
---------	-----------	------	-------	-------

Apparently the mineralization I saw beyond Mr. Frisbie's sample consisted mainly of specularite with minor amounts of copper-zinc-lead sulfides. It is thus proved without doubt that only the foot wall of the bedded deposit contains any appreciable mineral value and the question to be answered is whether or not the applicants should be granted an additional loan of \$5,500.00 to complete the original program. I am much disappointed in the work accomplished, as the applicants did not prove or disprove the ore at a lower depth.

The difficulty the applicants have had in securing labor, the necessity of packing all supplies by burros, and the ore out the same way, and the present situation regarding zinc. I believe it is inadvisable to give the applicants an additional loan,

CAR
CHARLES A. RASOR
Supervising Engineer

Attachment
Assay Certificate
Map

No. 229 Ra

Phoenix, Arizona,

Oct. 25, 1943.

CHAS. A. DIEHL

ARIZONA ASSAY OFFICE

Phone 3-4001

815 North First Street

P. O. Box 1148

This Certifies That samples submitted for assay by **Mr. C.A. Rasor.**

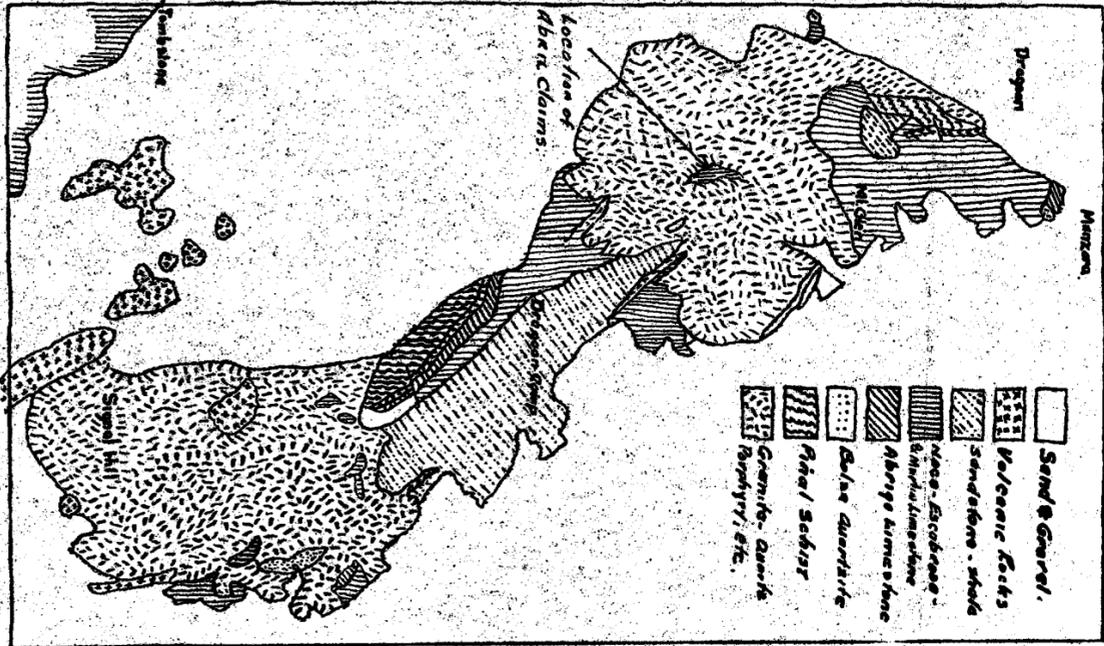
contain as follows per ton of 2000 lbs. Avoir.

No.	MILLEMS Width	SILVER		GOLD		TOTAL VALUE Of Gold and Silver	PERCENTAGE			REMARKS
		Ounces	Tenths	Ounces	Handths		LEAD	COPPER	ZINC	
129	60"		.1	Trace			.81	1.21	.50	
130	60"	Trace		Trace			.30	.65	.34	
131	72"		.2	Trace			.40	.75	.37	
132	60"		.2	Trace			.40	1.21	.42	

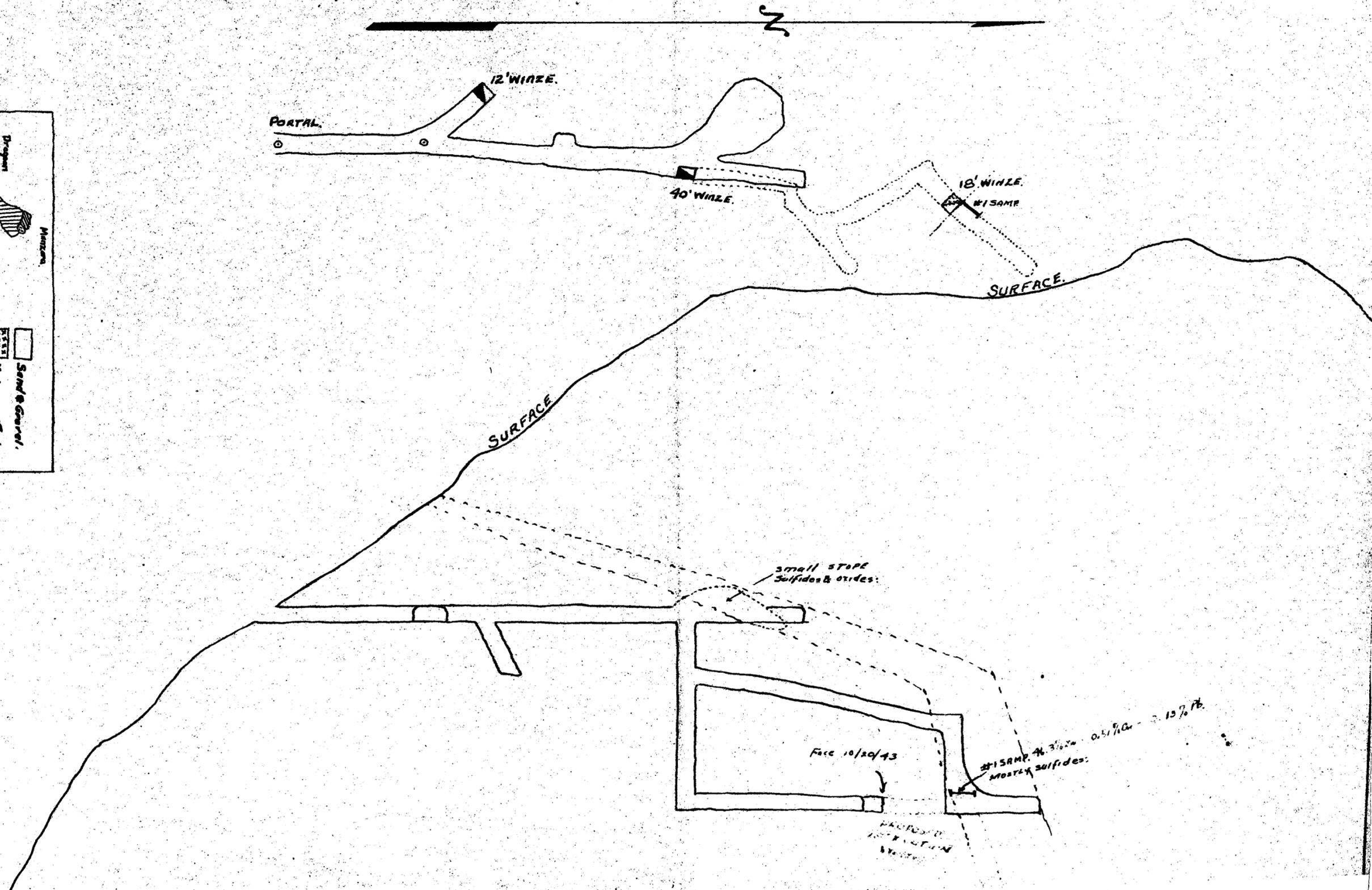
Charges \$ 18.00

Assayer **ARIZONA ASSAY OFFICE**

Reconnaissance Geologic Map of the Dragoon Mountains, by W. D. Foster,
 Geology of Arizona,
 From Bureau of Mines Bulletin No. 119



Henrietta Miller & W. Sim
ABRIL CLAIMS
 Cochise County, Arizona
 Docket ND-8370 June 26, 1948
 Scale: 1" = 20' P.R. Frisbie



26/11
8

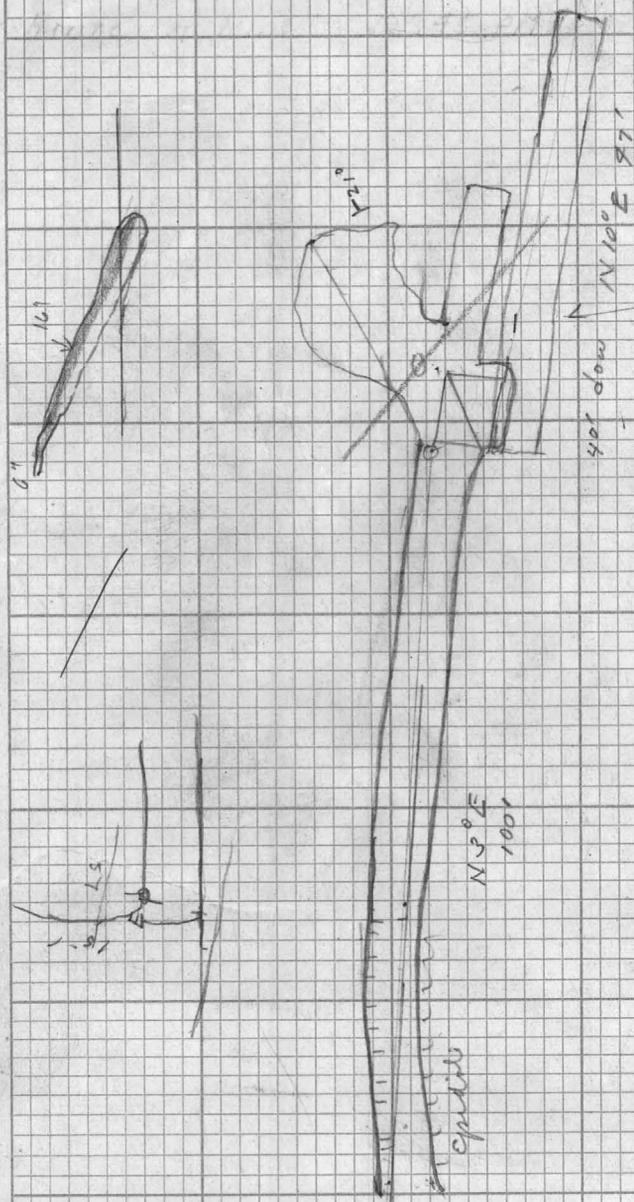
Mittler and Sim Oct 19, 1943

Leave Tombstone
10:30 AM
Arrive end of road 11:45
Arrive at mine 12:45
about 2 miles

Face Oct 19 1943

contorted minerals
a little sulfide mostly pyrite

NO structure visible
metamorphism has destroyed bedding
irregular cross cut barely 5'
poor showing

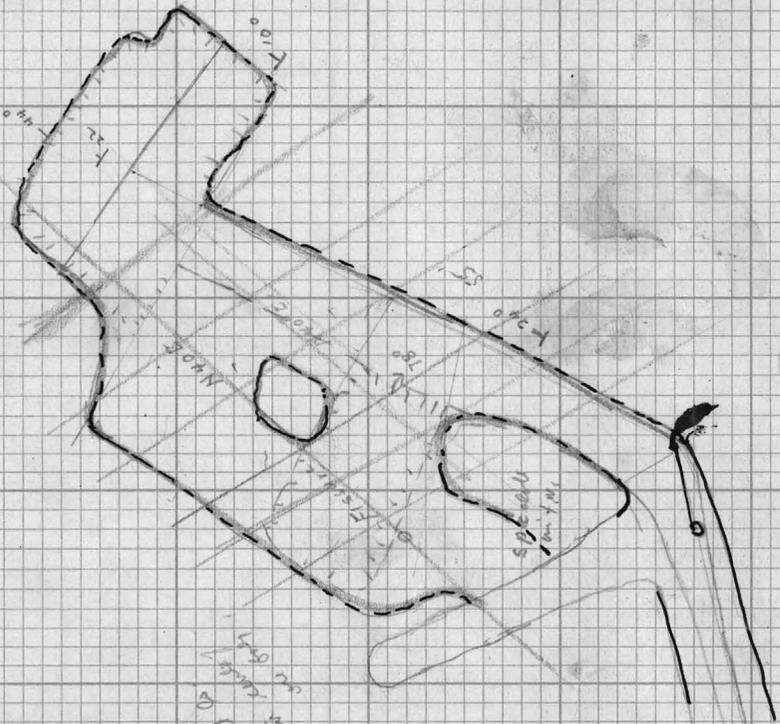


349 S. 67 E



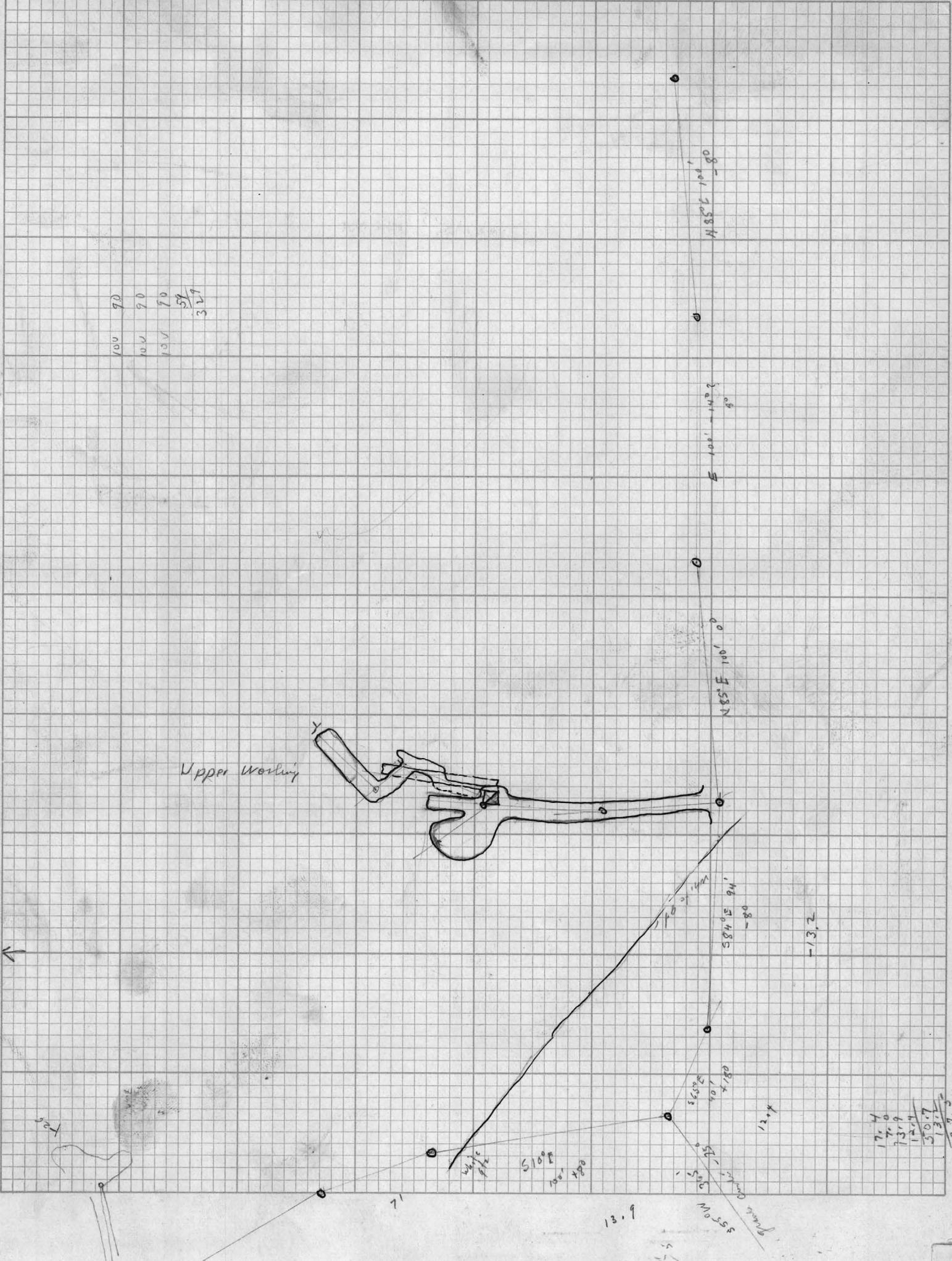
April - Aug 12, 1945
Scale 1" = 20'

22 Cans - approx 24 to zinc



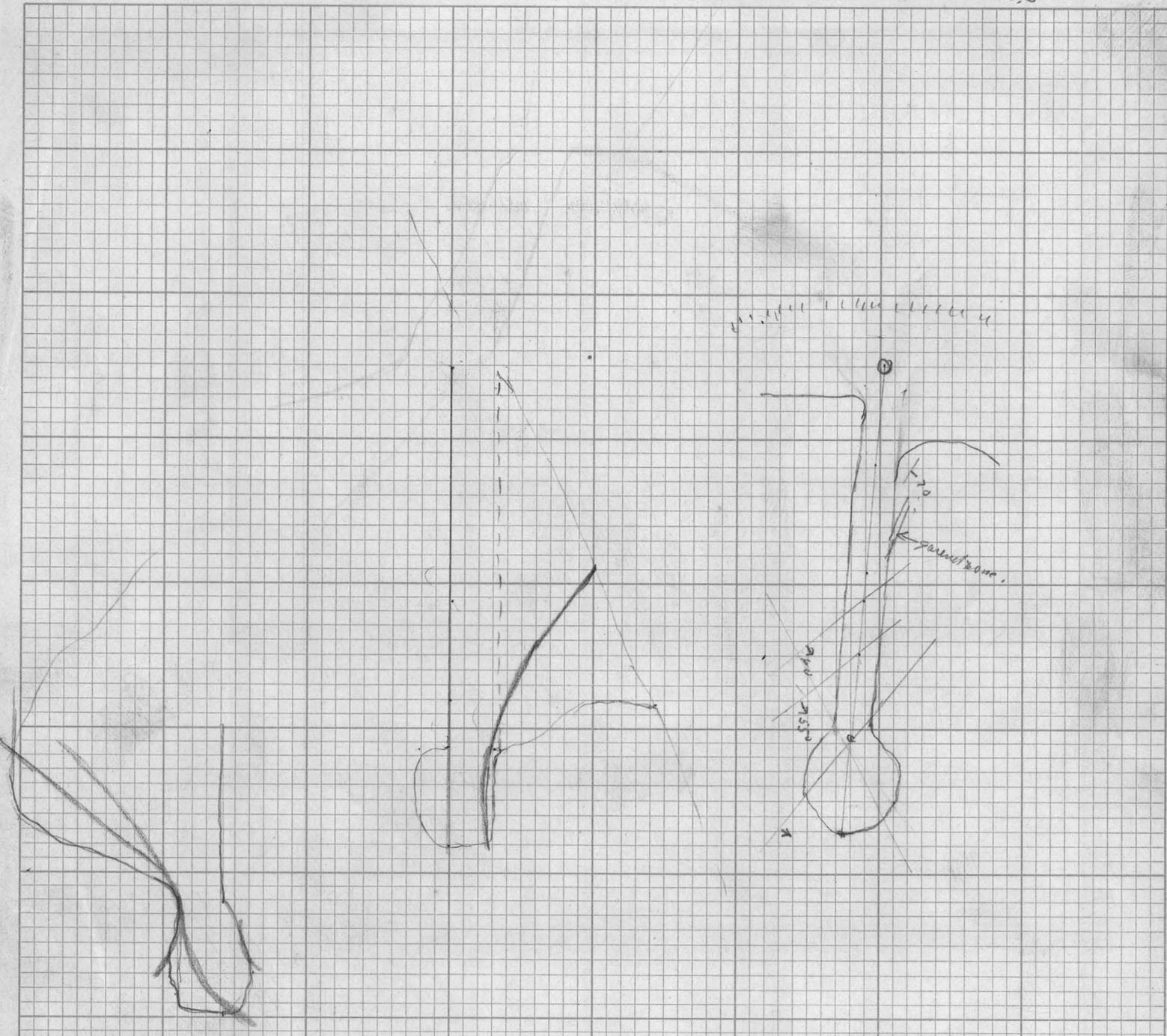
ground is covered
with cans

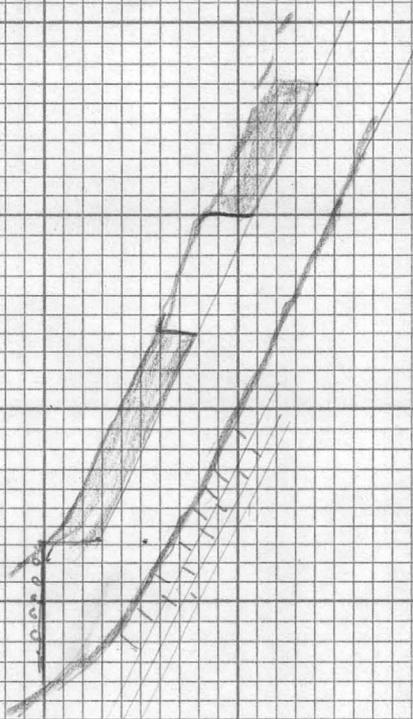
100	70
100	70
100	70
	<u>59</u>
	327

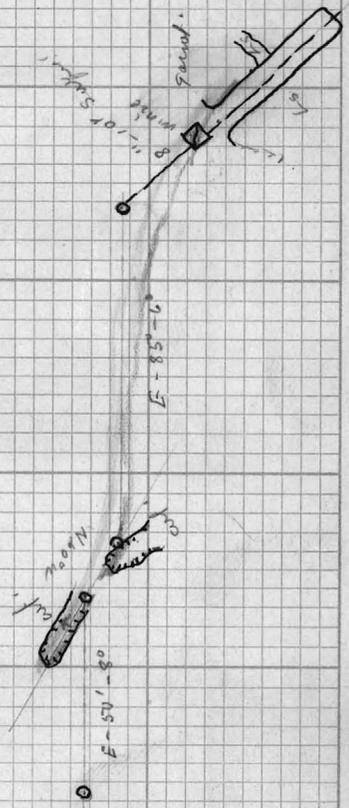


17.0
73.9
12.4
50.7
<u>13.1</u>
37.5

84.8
1272
97.5







325 Heard Building
Phoenix, Arizona
May 4, 1944

Mr. Dan H. Lewis
Box 106
Willcox, Arizona

Dear Mr. Lewis:

I enclose a map of the workings which I examined during my recent examination. This may help you in your work.

I enjoyed making the examination and wish to thank you for your help.

Yours very truly,

Charles A. Rasor
Supervising Engineer

Enc. map

CAR-b

6-19-45 George Brown told me he had shipped 14 cars
12 arranged 25 20 20 2 18 20 20 gave down 100 feet on dry
of vein

325 Heard Building
Phoenix, Arizona
April 29, 1944

Tully, Ass't Chief, Mining Division, RFC, Washington, D.C.

Re: Lewis- Skinner - Anderson - Docket No. ND-5974

I enclose the original and one duplicate of my report covering the recent examination of applicants' application for a development loan on the Abril property in the Dragoon Mountains of Southern Arizona.

Previous examinations have been made under Dockets Nos. ND-8390 and ND-5870.

I believe the questions Mr. Rait asked Mr. Gohring in a letter of April 14, 1944, re: Henrietta E. Miller and Walter N. Sim - Docket No. ND-5870, are fully covered in my report. The present applicants are willing to assume the indebtedness incurred under Docket ND-8390 if granted a loan on the property; otherwise they are not willing.

The War Production Board granted the Abril mine an initial zero quota on zinc, lead and copper February 1, 1942.

We have a letter in our file, written by Mr. J. A. Willcox, Manager of Shattuck Denn Mining Corporation to Mr. Dan Lewis that they will be in a position to stockpile the ore.

Also enclosed is applicants' application, with the following supporting data:

- a. Letter to Mr. Gohring, signed by Dan H. Lewis
- b. Description of samples taken by Chas. A. Kumke
- c. Maps, showing applicants' conception of ore occurrence
- d. Assignment of lease from Henrietta Miller to the applicant
- e. Assay certificate from Union Assay Office
- f. Assay certificate and letter from United States Smelting, Refining and Mining Company
- g. Letter from International Smelting & Refining Company regarding analyses of ore.

Encs.

Charles A. Rasor
Supervising Engineer

CAR/b

RECONSTRUCTION FINANCE CORPORATION
MINING DIVISION
REPORT OF SUPERVISING ENGINEER

Docket No. ND-5974
Date Authorization for Exam: April 15, 1944
Date of Examination: April 18, and
19, 1944.
Date of Report: April 28, 1944

PREFACE:

This report is based on a re-examination of the property originally held by Miller and Sim (Docket Nos. ND-8390 and ND-5870). This property was turned down by this engineer when Miller and Sim applied for additional funds and it was ascertained that they did approximately 7 feet of cross-cutting with \$3500. Also, at that time, the showing on which the loan was granted did not look promising, although the exposure assayed high in zinc.

In November, 1943, the applicant now applying for a loan took over the property under an assignment of lease from Henrietta Miller and proceeded to open up the property in various other places than upon which Miller and Sim operated. This work was successful in exposing high grade zinc ore, somewhat in line with the original exposure upon which Miller and Sim operated. There is now a total length of 400 feet exposed by three openings. All samples assayed high in zinc. It is these exposures that now tempt the imagination of the applicant to submit an application for a loan of \$20,000 to prove the continuity of the exposures.

1. Name and Address of Applicant:

Dan H. Lewis
Adrian Skinner
Alex Anderson
Box 106, Wilcox, Arizona

Correspondent:
Dan H. Lewis
Box 106, Wilcox, Arizona

2. Character of Project:

To develop zinc - copper property by driving drifts and raises.

3. Location of Mine:

In unsurveyed portions of T. 17 S., R. 23 E., Dragoon Mining District, Cochise County, Arizona. Property is reached by trail from end of road that leads to Tombstone about 22 miles away. Tombstone is the nearest railroad shipping point.

Applicants have applied for an access road to the property and the property has been examined by Charles A. Kumke, Mining Engineer of the U. S. Bureau of Mines who has recommended a road. Mr. Brannon, a supervisor with the Forest Service, has also examined the property for a road. The Grazing Service in Phoenix have told me that the road has been recommended and referred to the War Production Board. Apparently any action by that Board will wait until this report has come through.

4. Applicant:

The applicant is a partnership of three men who have spent most of their time mining ore.

Dan H. Lewis came to the Bisbee District in 1903 and has been mining continuously. He is a well preserved man about 65 years old. Adrian Skinner has been mining for 10 years as an independent operator.

Alex Anderson is a miner.

These men made themselves a stake on a zinc property not far from the present property under consideration. During that operation, when they were selling crude ore to Shattuck Denn, they sold out to the Le Roi Mines, Inc.

They are capable men and competent to handle a loan.

5. Loan Requested:

\$20,000

Loan Recommended: \$17,000

6. Description of Project:

A. General Features:

1. Applicants do not own equipment on the property. They are using equipment bought by Miller and Sim (Docket ND-8390).
2. Proposed project would comply with State Compensation and safety-first statutes.
3. Applicant has an assignment of lease from Henrietta Miller (Docket ND-8390). In referring to the above docket you will remember that Henrietta Miller obtained an option agreement from Hal W. Smith, M. R. Abril and J. S. Abril on the Abril property June 2, 1943. The lease is on six unpatented lode claims and calls for the payment of 10% royalty and a purchase of \$40,000. You may recall that Mr. Smith did not consent to Mr. Sim's participation with Mrs. Miller on the deal because of Sim's past personal record. Mr. Smith tried to break the lease with Mrs. Miller and give it to the present applicant, but he had no grounds. Since Mrs. Miller has assigned the lease to the applicant, Smith is satisfied.
4. No impeded right-of-way facilities.
5. No likelihood of surface or sub-surface trespass.

B. Existing Development:

1. Tunnel Mine

- (a) A compass and tape survey was made of the workings opened up by the applicant in addition to that done under Docket No. ND-8390. A description of part of the underground workings has been submitted in reports under ND-8390 and ND-5870.

Applicant has opened three additional areas with short tunnels as well as surface cuts to the east. The middle tunnel is 60 feet long, the lower tunnel 55 feet long and the bottom tunnel 35 feet long.

(b) Sampling and assay data:

Originally, Mr. Frisbie, Supervising Engineer, examined part of this property for a loan under Docket No. ND-8390 and took one sample of 62 inches across the footwall. This sample assayed

46.3% zn, 0.5% cu, and 0.2% pb

When I examined the property for an additional loan I turned it down because the applicant had accomplished 7 feet of underground work. Additional samples in hanging wall revealed very little metallization outside of specularite.

On this examination new areas have been opened on the vein, which materially alters the conclusion about the worth of the property. I took five samples across ore exposures. They are as follows:

Sample No. 192, across 68 inches, assayed:

29.63% zn, 0.3% cu, and .10% pb.

This sample was taken across the ore exposed on the NE side of the underhand stope in the Middle Tunnel. The ore consists of massive sphalerite with minor pyrite.

Sample No. 193, across 52 inches, assayed:

43.79% zn, .20% cu, and trace of lead.

This sample was taken across the ore in SE part of stope in the Middle Tunnel.

Sample No. 194, across 30 inches of ore above drift, assayed:

45.20% zn, 0.2% cu, and trace of lead.

This sample does not represent the full width of the ore. The full width is more nearly 60 inches as represented by Sample No. 192.

Docket No. ND-5974
 Rep. Sup. Eng.
 April 28, 1944

-4-

Sample No. 195, across 36 inches, assayed:

36.66% zn, 6.82% cu, and 0.2% pb.

This sample was taken across the ore exposed in the stope in the Lower Tunnel. The ore consists of massive sphalerite, and chalcopyrite with minor quartz.

Sample No. 196, across 20" face of Bottom Tunnel assayed:

2.3% zn, 1.11% cu and .61% pb. This sample was taken to indicate the presence of ore at this level. It was not taken to represent ore.

In addition to my samples, Charles A. Kumke, Mining Engineer with the U.S. Bureau of Mines, took four samples when he examined the property for the purpose of determining the advisability of an access road. His samples are recorded:

<u>Sample No.</u>	<u>Description of Sample</u>	<u>% zn</u>	<u>% pb</u>	<u>% Cu</u>
5302	5 foot vertical cut across ore at face of incline entry middle tunnel. Has copper sulfide.	26.4	0.1	.02
5303	A grab of 20-ton dump of zinc ore with copper at mouth of lower tunnel.	29.6	0.1	4.13
5304	Grab of 100-ton ore pile (upper pile at mouth of middle tunnel.	26.2	0.1	0.24
5305	Grab of 20-ton pile of ore, lower pile at mouth of middle tunnel.	26.2	0.1	0.19

Previously, Le Roi Mines, Inc. sent three samples to Assay Offices and Smelting Companies.

A sample sent to Union Assay Office, Inc., Salt Lake City, Utah, assayed: 49.6% zn, 4.31% cu, tr. lead.

A sample sent to United States Smelting, Refining and Mining Company, Midvale, Utah, assayed:
 30.8% zn, 4.3% cu, no lead, 33.2% SiO₂, 19.7% sulphur, 5.6% iron and 2.9% lime.
 This analysis represents fairly well the characteristics of the ore for milling.

A sample sent to International Smelting and Refining Co., Salt Lake City, Utah, assayed:
 33.75% zn, 0.07% copper and no lead.

All these samples merely indicate the high grade character of the zinc ore that may be found on development.

(c) Condition and accessibility of mine workings:
Good.

(d) General features of ore deposit:

Exposure of the ore in both the middle and lower tunnels would indicate that the ore deposit is structurally associated with a thrust or reverse fault that throws a large mass of slightly dipping limestone, possibly Pennsylvanian in age, over steeply dipping quartzites of Cambrian age. A post-Cretaceous granite cuts all the rocks and possibly came in along the fault zone. The thrust fault has partly overturned the limestone beds. One member of the overturned series of beds has been replaced by the mineralization which consists principally of sphalerite, with minor amounts of chalcopyrite and pyrite. Analyses of the ore by the United States Smelting, Refining and Mining Company indicate that silicification accompanied or preceded the sulfide mineralization. Gold, silver and lead mineralization occur sparingly to practically nothing.

Source of the metallization probably is the granite intrusive, but the entrance of the solutions into the particular horizon is unknown.

The mineralization is later than the major faulting, for it not only replaced the overturned fold of limestone, but leaked out along the break to form a narrow and indistinctive outcrop. The width of the oxidized outcrop varies between 6 and 8 inches and it was this exposure which induced prospectors to locate the claims in 1903. In both the middle tunnel and lower tunnel there is evidence to show how the owners prospected the mineralization and failed to cut the ore. They were about 10 feet too high, and after drifting and cross-cutting in various directions concluded that the ore did not extend far.

When Miller and Sim started operations, they proposed to undercut one exposure of zinc ore found in the upper tunnel where most of the work had been carried on. They failed in this operation and it took the efforts of the present applicant to show by undercutting the other tunnels that there may be a persistent orebody between the various tunnels.

C. Proposed Development:

1. Recommended plan of development:

The applicant and your engineer agreed upon the following plan for developing the present ore exposures:

- (a) Drifting from middle tunnel toward the upper tunnel exposure - 200 feet.
- (b) Drifting from lower tunnel toward the middle tunnel - 200 feet.
- (c) Drifting from bottom tunnel toward the lower tunnel - 100 feet.
- (d) Raising from bottom tunnel to lower tunnel - 45 feet.
- (e) Raising from lower tunnel to middle tunnel - 85 feet.

2. Recommendations concerning applicant's mining method:

None. Applicant expects to mine ore from all the proposed development headings.

3. Expected capacity of operations:

- (a) Applicant does not propose to do any mining until development is completed.
- (b) Drift development - 3 feet per day per working face.
- (c) Cross-cut development - None
- (d) Raise development - 3 feet per day
- (e) Milling - Ore will be sent to Shattuck-Denn mill, Bisbee, Arizona.
- (f) Not applicable
- (g) Not applicable
- (i) Local wage scale will be \$7 per day for miners.

D. Equipment:

1. Workable equipment on property.

Under the Miller-Sim loan (Docket No. ND-8390) the following equipment was bought, namely:

- | | |
|---|----------|
| a. Ingersoll-Rand Air Tugger | \$225.00 |
| b. Hoist cable and 2 ore buckets | 38.00 |
| c. Chicago Pneumatic Drill Machine
with mountings | 260.00 |
| d. Drill steel, pipe, timken bits | |
| e. Compressor under rental agreement
from Western Machinery Company
of Phoenix (not bought) | |

2. Mine equipment and supplies recommended for purchase under project.

a. Buy the compressor on property under rental agreement,	\$1300.00
b. Jackhammer	250.00
c. Stoper	425.00
d. 2 mine cars	100.00
e. 1000' of mine rail	250.00
f. 500' 1-1/2" pipe	100.00
g. 200' 1" pipe	30.00
h. Small Pump	50.00
i. 50' each of air and water hose	50.00
j. Steel	50.00
k. Powder cap and fuse	500.00
l. Miscellaneous supplies	100.00
m. Gas and oil	400.00
	\$3605.00

3. Recommended camp

2 tent houses	\$100.00
---------------	----------

E. Cost Estimations:

a.	As applicant is not prepared for mining, costs were not estimated but under the observed conditions of mining a replacement orebody \$6.00 would be reasonable.	
b.	Drifting - \$12 per foot	
c.	Cross-cutting - None	
d.	Raising - \$12 per foot	
e.	Winze - None	
f.	Shaft sinking - None	
g.	Milling - Shattuck-Denn schedule	\$ 32.90
h.	Hauling - After access road is built	\$ 3.00 per ton
i.	Freight - Tombstone to Bisbee	\$ 1.00 per ton
j.	Smelter - None	
k.	Royalty - 10%	\$ 1.30
l.	Timber - No need for timber	
m.	Total costs	\$ 43.60

F. Analysis and Estimate of Cost per Ton of Ore:

Estimate of Grade:

The ore is not fully developed and hence an estimate can be based only on the few samples that could be cut. Cut samples indicate the following grade:

Sample 195	36"	36.66% zn	Razor
" 193	52"	43.79 " "	"
" 192	68"	29.63 " "	"
" 5302	60"	26.40	Kumke
" 1	62"	46.30	Frisbie
	278"	36.20 " "	Weighted average

However it appears from the grab samples of ore on pile and two cut samples that the average grade of the shipping ore will more closely approximate the following:

Sample No.	192	29.63	cut sample	Razor
"	5302	26.40	" "	Kumke
"	5303	29.60	grab "	"
"	5304	26.20	" "	"
"	5305	26.20	" "	"
		27.8 % zn	Arithmetical Ave.	

Assays for gold, silver and lead did not show sufficient amounts for consideration. Copper assayed sufficiently in amount in only one sample and will not be considered either although it may have some value after the deposit is developed.

Estimate of Value:

Gross value of 27.8 % zn = 556 pounds x 8.25 cents =	\$ 45.87	\$45.87
Value paid by Shattuck-Denn Mill		
77.85% x 556 lbs = 433 pounds x 7.96 cents =		34.47
Metallurgical and refining losses =		11.40
Marketing (RR Freight on concentrates 3.00)		
(Smelting concentrates 12.00)		15.00
Milling		3.25
Net Mill value = \$34.47 minus (15.00 plus 3.25) =		16.22
Processing fee (20% Net Mill Value) =		3.25
Total charges by Mill	\$ 32.90	
Balance to shipper (45.87 - 32.90) =		12.97

Other charges:

Royalty (10%)	1.30	
Trucking	3.00	
Freight	1.00	
Mining	6.00	
Total	\$11.30	11.30

Profit before Premium bonus,		1.67
Zero Quota on zinc, lead, copper		
Effective date 2-1-42		
556 x 77% = 428 lbs x 2.75 cents =		11.77
Total profit on ore		\$ 13.44

Tonnage to be developed

Thickness of exposed ore	5 feet
Length of ore	400 feet
Width of ore now exposed	25 feet

Tonnage:	
400 x 25 x 5 =	6000 tons
10	

Estimated net profit per ton \$13.44

7. Employment:

- A. Number of men now employed: 3 miners
B. Number of men to be employed: 6 miners
C. Number of shifts per 24 hours: One

8. Objections to Project: None

9. Time Schedule:

- A. To complete project: 6 months
B. Length of operating season: 12 months
C. To repay loan:
Depends on grade of ore developed and continuation
of premium on zinc. 18 months

10. Estimated Cost of Project:

A. Total Development:			
500 feet drifting \$12.00 per foot	\$6,000.00		
130 " raising 12.00 per foot	1,560.00		
			\$ 7,560.00
B. Purchase of equipment and supplies			3,605.00
C. Camp Construction			100.00
D. General Expense:			
Bookkeeper \$50 per month	\$300		
Insurance	600		
Interest	600		1,500.00
Repayment Miller-Sim Loan (Docket ND-8390)			3,500.00
Contingencies			735.00
Total			17,000.00

11. Nature and Source of Revenue:

A. How and when Loan will be repaid:

1. From proceeds of mining ore after program of development has been completed. Property should be self-sustaining.

12. Comments of Supervising Engineer:

My adverse report of October 28, 1943, concerning this property was based on conditions of one ore exposure and applicant's handling of loan funds.

Additional work by a different applicant has exposed ore of high grade at other places on the property and the outlook for developing a high grade zinc deposit has brightened considerably.

Docket ND-5974
Rep. Sup. Eng.
April 28, 1944

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It now appears that the ore may be continuous between the various tunnels and that a program for developing the ore propitious. The present applicant is sensible, of good character and has a determination to open a new orebody.

The one obstacle to a successful development program is the lack of a road to the property. However the applicant has attempted to overcome this in the way of an application for an access road.

The Bureau of Mines has sent out Chas. A. Kunkke, Mining Engineer, to the property and he has reported favorably. Officials of the Forest Service have reported favorably. My information from the Grazing Service here in Phoenix, indicates that favorable action has been given to this project and awaits only the decision of the War Production Board.

My recommendation is favorable in regard to the belief that ore will be found in sufficient quantity and quality to maintain a self-sustaining operation. This loan is for development purposes but is believed that the ore extracted in the development headings will more than pay for the mining. There is approximately 200 tons of ore extracted awaiting transportation, that will yield 27 % zinc.

CHARLES A. RASOR
Supervising Engineer

Attachments:

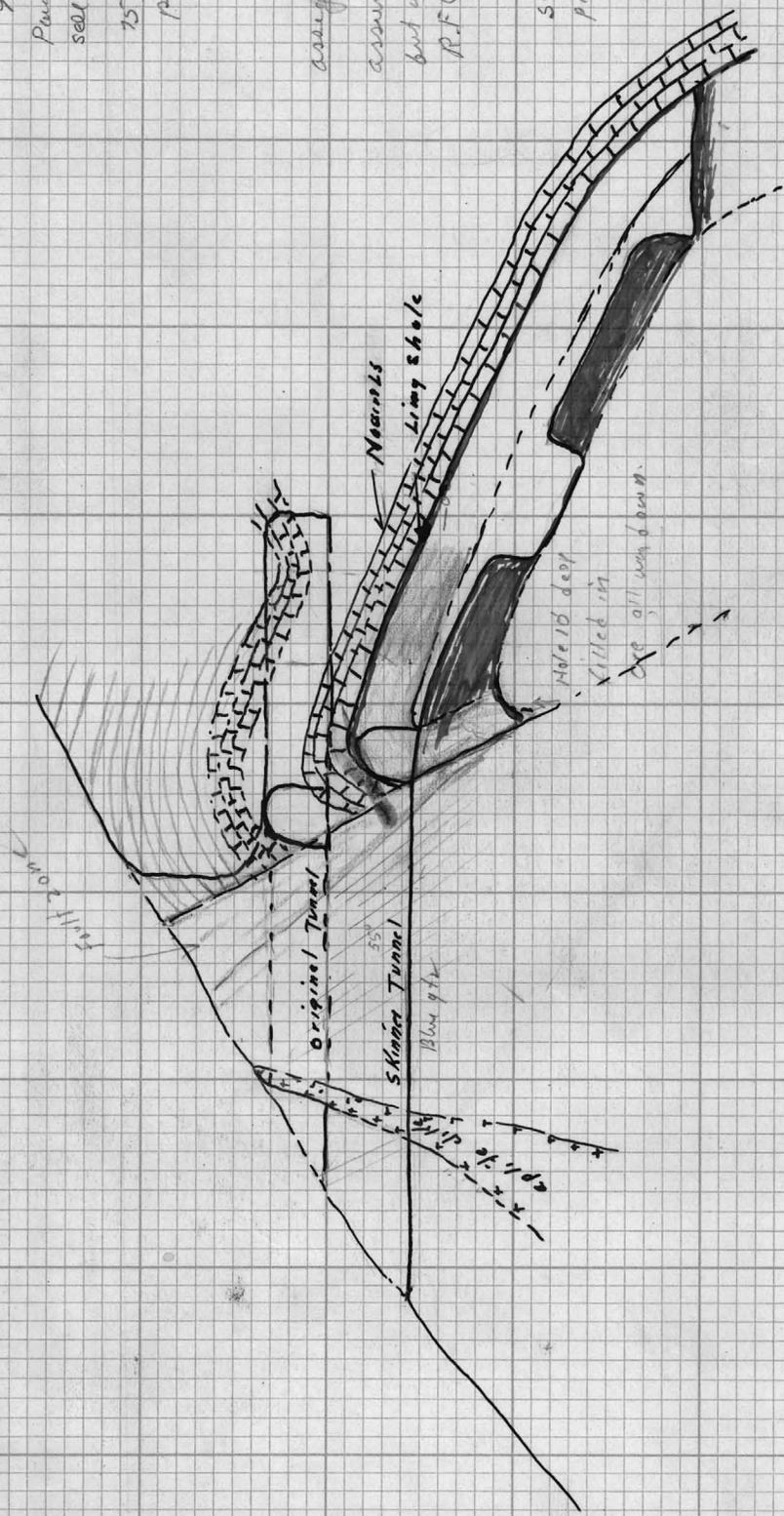
Map
Assay Certificate

Sack Hammer
Hose
Tugger
Pipe

96' a month
Packing pump 1520
seal 1300
25% of rental on
purchase

assignment of lease
assumed nothing at
but will assume 3500
R.F.C. loan

stone of caple
pieces



Original Tunnel

Skinner Tunnel

55'

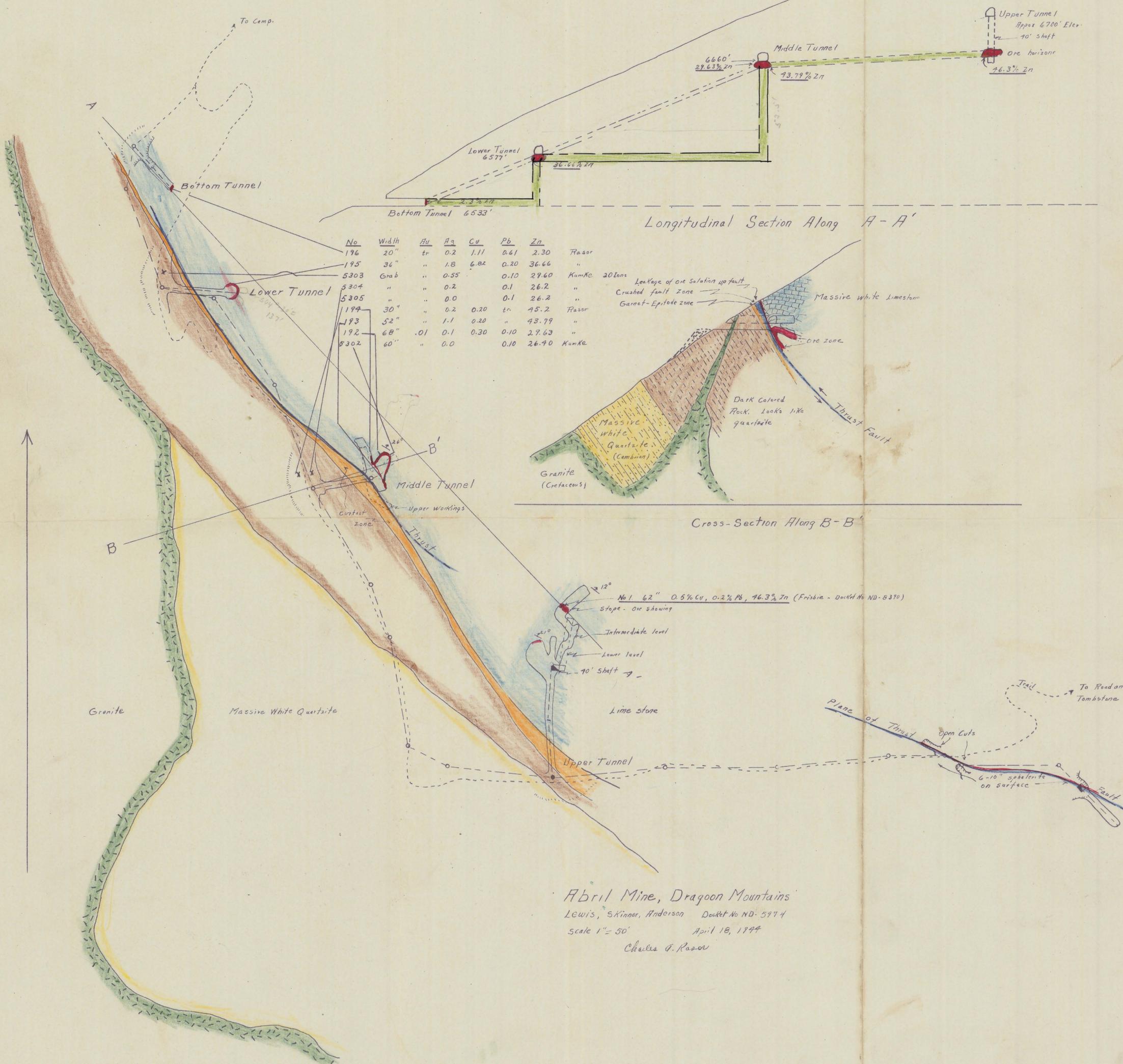
Blue gr.

applied dip

Note 10 deep
filled in
dip all way down

Fault zone

Nearbels
Lime shale



No	Width	Au	Ag	Cu	Pb	Zn	Reasor
196	20"	tr	0.2	1.11	0.61	2.30	Reasor
195	36"	"	1.8	6.02	0.20	36.66	"
5303	Grab	"	0.55	"	0.10	29.60	Kumke 20 tons
5304	"	"	0.2	"	0.1	26.2	"
5305	"	"	0.0	"	0.1	26.2	"
194	30"	"	0.2	0.20	tr	45.2	Reasor
193	52"	"	1.1	0.20	"	43.79	"
192	60"	0.01	0.1	0.30	0.10	29.63	"
5302	60"	"	0.0	"	0.10	26.40	Kumke

Longitudinal Section Along A-A'

Cross-Section Along B-B'

Abril Mine, Dragon Mountains
 Lewis, Skinner, Anderson Doclet No ND-5974
 scale 1" = 50' April 18, 1944
 Charles A. Rasor