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11/22/96

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: MINOR

ALTERNATE NAMES:

REDLANDS COPPER CO. PROP.
MOUNTAIN COPPER CORP. PROP.

YAVAPAI COUNTY MILS NUMBER: 1014A

LOCATION: TOWNSHIP 12 N RANGE 2 E SECTION 17 QUARTER SW
LATITUDE: N 34DEG 24MIN 56SEC LONGITUDE: W 112DEG 10MIN 36SEC
TOPO MAP NAME: MAYER - 7.5 MIN

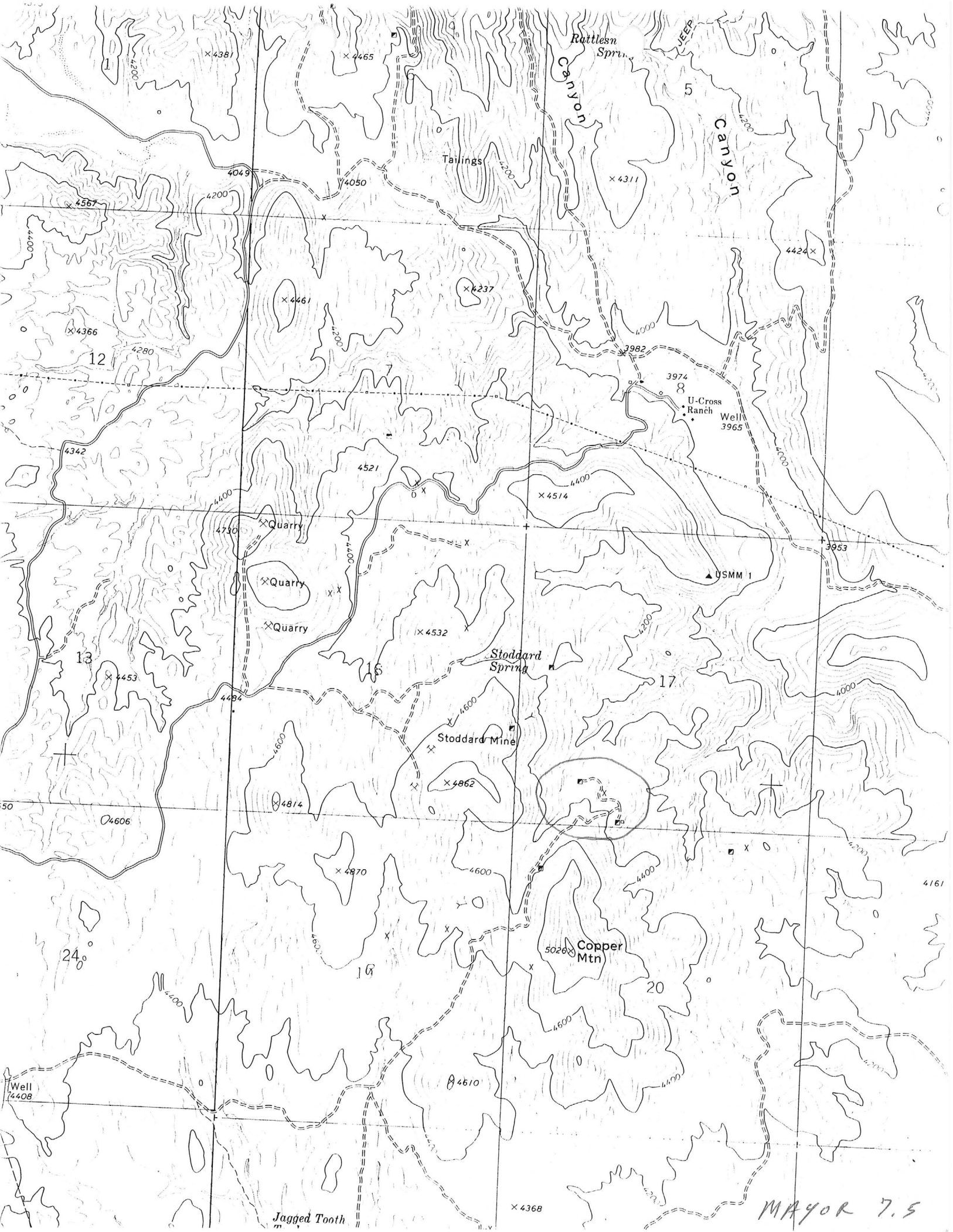
CURRENT STATUS: PAST PRODUCER

COMMODITY:

COPPER SULFIDE
GOLD
SILVER

BIBLIOGRAPHY:

USGS MAYER QUAD
ADMMR MINOR MINE FILE
ADMMR PRODUCTION POSSIBILITIES OF THE
MARGINAL COPPER MINES IN AZ 1941 P 79
CLAIMS EXTEND INTO SEC. 17



MAYOR 7.5

MINOR MINE

YAVAPAI COUNTY

ABM Bull. 125 p. 70

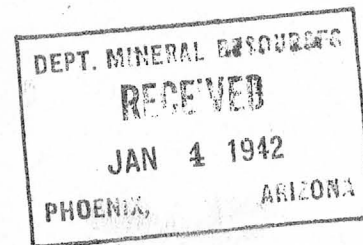
Production Possibilities of the Marginal
Copper Mines in Arizona, 1941, p. 79

DeSoto Mine (file) why?

Mountain Copper Corporation

P. O. BOX 182
MAYER, ARIZONA

Jan. 4th, 1942.



Mr. J. S. Coupal,
Dept. of Mineral Resources,
Home Builders Bldg.,
126 N. 1st Ave.,
Phoenix, Ariz.

Dear Mr. Coupal,

I called to see you on New Year's Eve and you were away, but I had the pleasure to meet Mr. Hastings, to whom I showed my application for ~~five~~ Preliminary Government Loan, which he advised me to file at Mr. Gohring's office, I did so, and I believe he is satisfied with the report, so I am hoping that the loan will soon be granted to enable me to hurry production after the shaft is unwatered.

There is one favor I would like to ask you, as follows.

When I took over the above property I had to undertake the obligation of paying a debt of \$504 for past due Documentary Stamp Taxes. I went to the office of Internal Revenue and made an arrangement to pay them \$100 per month beginning Jan. 1st/43, and paid them \$50 at the time of my visit. But although we have been shipping ore, it has not been high enough grade to warrant the payment of such a high monthly sum, and now we will have to delay shipping on account of having to unwater the shaft to get down deeper when the ore is better, and wider and highergrade, it will be impossible for us to meet that payment. Therefore, this is to ask you to kindly recommend my request for a delay, as per my enclosed copy.

I understand from "Pay Dirt", that there will be a meeting in Prescott on Jan. 21st, and another in Mayer on Jan 27th, so I hope to be present at both, when I will look forward to seeing you.

Thanking you for your kind help,

Yours very truly,

Pierre Perry

Pres.

P. S. above us - on the old standard mine Gilbert Mock is working on a new 20 feet ledge 4% copper no gold no silver - and is installing pipes great activity seems to be on his property - can hear dynamite shots every day - The Binghamton 3 miles north us was bought 1000 dol. for taxes by Hale arrangement supply

Copy

Jan. 4th, 1942.

Executive in Chief,
Federal Internal Revenue Office,
Near Westward Ho Hotel,
Phoenix, Ariz.

Dear Sir,

With further reference to the money owing to you for Documentary Stamp Taxes to you by the old management of the above Corporation, I want to ask your Board to postpone and change the amount of \$100. per month, beginning Jan. 1st, 1943, for these reasons ;

The ore we have been shipping from the mine is of good grade copper for National Defense War Production, but it does not at present contain enough value in gold and silver to make it yet a profitable operation and, as I do not want to stop production, I have to limit the expenses, and I am asking you to co-operate with us to permit us to carry on.

Also, I have applied for a Government Preliminary Loan of \$5,000 for the purpose of unwatering the shaft where there is higher grade copper ore and bigger ledges, which loan I feel sure will be granted.

Therefore, I suggest, your making this back payment \$75.00 per month, beginning April 1st, at which time the mine should be producing enough to pay you by shipping more and better ore.

For four months I have not had one cent salary; but, instead, with the money owing to me, we have had to build a loading ramp in Mayer, but we are now ready to produce as soon as the loan is granted.

Thanking you for your kind consideration,

Yours very truly,

P. Perry
Pres.

August 5, 1941

Mr. M. Robert Herzog, President
Mountain Copper Corporation
#209 Hotel Cornelia
Ajo, Arizona

Dear Mr. Herzog:

I have your letter of July 31 enclosing the Mine Owner's Report on the Mountain Copper Corporation. I note that you have listed under No. 14, Principal Minerals, "gold, copper, silver". It was my understanding that this was primarily a copper property, but the listing in this manner would indicate that the greatest mineral was gold, then copper, and silver last, and this is the way we would list it from your report. If we are wrong, please let us know.

We are glad to have this information in our files, so that it will be available to those who may be seeking properties. Thanking you, and with kindest personal regards, I am

Yours very truly,

Chairman, Board of Governors
Arizona Department of Mineral Resources

CFW:LP

Mountain Copper Corporation

PRODUCERS OF
COPPER, GOLD AND SILVER

~~2101 BISHOP NATIONAL BANK BLDG. PHOENIX ARIZONA~~
~~PHOENIX ARIZONA~~

#209 Hotel Cornelia, Ajo, Arizona
July 31st., 1941

Mr. Charles F. Willis, Chairman,
Board of Governors,
Arizona Department of Mineral Resources,
518 Title and Trust Bldg.
Phoenix, Arizona

Dear Mr. Willis:-

Replying to your letter of July 18th., asking
that we send Mine Owner's Report in order to have the data in
the Department files, we hereby enclose the same.

Will you kindly see, that the report I recently
sent you on the holdings of the Mountain Copper Corporation, is
filed with the enclosed report, as the report recently sent you
covers the data fully pertaining to the property.

Thanking you, I am with kindest regards,

Yours very truly
MOUNTAIN COPPER CORPORATION

BY: M. Robt. Herzog, President

MRH:SST
ENCL: 1

May 22, 1941

Mr. M. R. Herzog, President
No. 209 Hotel Cornelia
Ajo, Arizona

Dear Mr. Herzog:

Many thanks for so promptly returning the questionnaire regarding the possibilities of the copper production from the Mountain Corporation.

It would appear very evident that your property will well qualify to be in this report and, therefore, we would like to get some additional information, as we hope to include a brief statement regarding each property that is being reported upon.

I am enclosing another questionnaire which will give us the data that we want for this brief statement. We would appreciate your making it concise.

Trusting that we will have it back shortly, and with kindest personal regards, I am

Yours very truly,

Chairman, Board of Governors
Arizona Department of Mineral Resources

CFW:LP
Enc.

Information from MINE INSPECTOR'S OFFICE - August 15, 1957

MINOR MINE (15 claims) Aqua Fria Dist., YAVAPAI CO. 4-16-57
Mayer, Ariz.

Owner: U. S. Consolidated Co.
Operator: "
Pres. - Gene Fredericks, Prescott, Arizona
Supt. - Joe Starnick, Humboldt, Arizona

CU Development - 9 men.

L.A.S.

Min. World 2/1957

MINOR MINE

T12N, R2E

YAVAPAI COUNTY

According to John Slak U.S. Consolidated Mines, Inc. is diamond drilling one shift.
FPK 10-22-57

Minor mine idle. Lee Hammons 1-30-58

Learned that Joe Starnick was unwatering his Minor property which adjoins the Stoddard mine. TPL WR 4-15-61

COMMODITY INFORMATION

COMMODITIES PRESENT C10 < Cu, Au, W, U, V, Pb, Zr, Ag, Bi, Tl, Hg, Pt, Pd, Ni, Co, Mn, Fe, Al, Si, S, Se, Te, Br, I, Cl, F, B, Be, Ba, Sr, Ca, Mg, K, Na, Li, Rb, Cs, Nb, Ta, In, Sn, Pb, Zn, Cd, Hg, Bi, Tl, Hg, Pt, Pd, Ni, Co, Mn, Fe, Al, Si, S, Se, Te, Br, I, Cl, F, B, Be, Ba, Sr, Ca, Mg, K, Na, Li, Rb, Cs, Nb, Ta, In, Sn, Pb, Zn, Cd >
 ORE MINERALS C30 < CHALCOPYRITE, GOLD, UNKNOWNS, AURIFEROUS PYRITE(?) >
 COMMODITY SUBTYPES C41 < >
 GEN. ANALYTICAL DATA C43 < >
 COM. INFO. COMMENTS C50 < >

SIGNIFICANCE

MAJOR PRODUCTS MAJOR < Cu, Au, W, U, V, Pb, Zr, Ag, Bi, Tl, Hg, Pt, Pd, Ni, Co, Mn, Fe, Al, Si, S, Se, Te, Br, I, Cl, F, B, Be, Ba, Sr, Ca, Mg, K, Na, Li, Rb, Cs, Nb, Ta, In, Sn, Pb, Zn, Cd >
 MINOR PRODUCTS MINOR < Au, W, Ag, Bi, Tl, Hg, Pt, Pd, Ni, Co, Mn, Fe, Al, Si, S, Se, Te, Br, I, Cl, F, B, Be, Ba, Sr, Ca, Mg, K, Na, Li, Rb, Cs, Nb, Ta, In, Sn, Pb, Zn, Cd >
 POTENTIAL PRODUCTS POTEN < Pb, Bi, Tl, Hg, Pt, Pd, Ni, Co, Mn, Fe, Al, Si, S, Se, Te, Br, I, Cl, F, B, Be, Ba, Sr, Ca, Mg, K, Na, Li, Rb, Cs, Nb, Ta, In, Sn, Pb, Zn, Cd >
 OCCURRENCES OCCUR < >
 NON-PRODUCER
 MAIN COMMODITIES PRESENT C11 < >
 MINOR COMMODITIES PRESENT C12 < >
 OCCURRENCES OCCUR < >

*PRODUCTION

PRODUCTION (YES) (circle) PRODUCTION SIZE (SMALL) (circle) MED LGE (circle one)
 NON-PRODUCER
 PRODUCTION (UND NO) (circle one)

*STATUS

EXPLORATION OR DEVELOPMENT

PRODUCER
 STATUS AND ACTIVITY A20 < 4 >
 NON-PRODUCER
 STATUS AND ACTIVITY A20 < 4 >

DISCOVERER L20 < MARSHALL AND IKE STODDARD, BOB BRADLEY >
 YEAR OF DISCOVERY L10 < LATE 1890's > NATURE OF DISCOVERY L30 < A > YEAR OF FIRST PRODUCTION L40 < 1903 > YEAR OF LAST PRODUCTION L45 < 1957 >
 PRESENT/LAST OWNER A12 < ARIZONA REDLANDS CO (1950's) >
 PRESENT/LAST OPERATOR A13 < ARIZONA REDLANDS CO >
 EXPL./DEV. COMMENTS L110 < >

DESCRIPTION OF DEPOSIT

DEPOSIT TYPE(S) C40 < STRATIFORM MASSIVE SULFIDE >
 DEPOSIT FORM/SHAPE M10 < LENS, IRREGULAR >
 DEPTH TO TOP M20 < > UNITS M21 < > MAXIMUM LENGTH M40 < 250 > UNITS M41 < FT >
 DEPTH TO BOTTOM M30 < 470 > UNITS M31 < FT > MAXIMUM WIDTH M50 < 450 > UNITS M51 < FT >
 DEPOSIT SIZE M15 < (SMALL) M15 (MEDIUM) M15 (LARGE) (circle one) MAXIMUM THICKNESS M60 < 50 > UNITS M61 < FT >
 STRIKE M70 < NORTHWESTERLY > DIP M80 < STEEPLY WEST >
 DIRECTION OF PLUNGE M100 < > PLUNGE M90 < >
 REP. DESC. COMMENTS M110 < >

DESCRIPTION OF WORKINGS

Workings are: SURFACE M120 UNDERGROUND (M130) BOTH M140 (circle one)
 DEPTH BELOW SURFACE M160 < 470 > UNITS M161 < FT >
 LENGTH OF WORKINGS M170 < 250 > UNITS M171 < FT >
 OVERALL LENGTH M190 < 400 > UNITS M191 < FT >
 OVERALL WIDTH M200 < 30 > UNITS M201 < FT >
 OVERALL AREA M210 < 12000 > UNITS M211 < Sq FT >
 DESC. OF WORK. COM. M220 < >

GEOLOGY

* AGE OF HOST ROCK(S) K1 < P.R.O.T., W, U/PB ZIRCON EQUAL TO OR GREATER THAN 1720 MILLION YEARS >
 * HOST ROCK TYPE(S) K1A < METACHYSLITE, DIORITE >
 * AGE OF IGNEOUS ROCK(S) K2 < P.R.O.T., W, AS LIKE K1 >
 * IGNEOUS ROCK TYPE(S) K2A < METACHYSLITE, DIORITE >
 * AGE OF MINERALIZATION K3 < P.R.O.T., W >
 * PERT. MINERALS (NOT ORE) K4 < QUARTZ, CHLORITE >
 * ORE CONTROL/LOCUS K5 < STRATIGRAPHY >
 * MAJ. REG. TRENDS/STRUCT. N5 < BEDDING TRENDS N20W >
 * TECTONIC SETTING N15 < >
 * SIGNIFICANT LOCAL STRUCT. N70 < FOLIATION TRENDS N10W >
 * SIGNIFICANT ALTERATION N75 < CHLORITIZATION >
 * PROCESS OF CONC./ENRICH. N80 < OXIDATION AT NEAR-SURFACE >
 * FORMATION AGE N30 < P.R.O.T., W, AS LIKE K1 >
 * FORMATION NAME N30A < SPUR MOUNTAIN VOLCANICS AND UNNAMED PRECAMBRIAN METAVOLCANIC ROCKS >
 * SECOND FM AGE N35 < >
 * SECOND FM NAME N35A < >
 * IGNEOUS UNIT AGE N50 < P.R.O.T., W, AS LIKE K1 >
 * IGNEOUS UNIT NAME N50A < AS S LINE N30A >
 * SECOND IG. UNIT AGE N55 < >
 * SECOND IG. UNIT NAME N55A < >
 * GEOLOGY COMMENTS N85 < DEPOSIT IS PROBABLY MASSIVE SULFIDE DEPOSIT, BUT ORIGIN AND TYPE UNCLEAR >

GENERAL COMMENTS

GENERAL COMMENTS GEN < >

* GENERAL REFERENCES

REFERENCE 1 F1 < ABGMT CLIPPINGS FILE

REFERENCE 2 F2 < ABGMT- USBM FILE DATA

REFERENCE 3 F3 < USGS GULL 1336 PLATE 2

REFERENCE 4 F4 <

U.S. CRIB-SITE FORM

RECORD IDENTIFICATION

RECORD NUMBER B10 < _____ > RECORD TYPE B20 < X, I, M > DEPOSIT NUMBER B40 < _____ >

REPORT DATE G1 < 8, 1, 0, 9 > INFORMATION SOURCE B30 < 1, 2 > FILE LINK IDENT. B50 < USBM 004 025 1424 >

YR. MO.

REPORTER(SUPERVISOR) G2 < DEWITT, ED, H > (last, first, middle initial)

REPORTER AFFILIATION G5 < ABGMT > SITE NAME A10 < MINOR MINE >

SYNONYMS A11 < MINER MINE, MOUNTAIN COPPER CORPORATION >

LOCATION

MINING DISTRICT/AREA A30 < AGUA FRIA DISTRICT >

COUNTY A60 < YAVAPAI > STATE A80 < AZ > COUNTRY A40 < U.S. >

PHYSIOGRAPHIC PROV A63 < 1, 2, 3 >

DRAINAGE AREA A62 < 1, 5, 0, 7, 0, 1, 0, 3, 4 >

QUADRANGLE NAME A90 < MAYER > LAND STATUS A64 < 0, 0, 1, 1, 1 >

SECOND QUAD NAME A92 < _____ > QUADRANGLE SCALE A100 < 2, 4, 0, 0, 0 >

ELEVATION A107 < 4, 5, 2, 0, 1, 1, 1 >

SECOND QUAD SCALE A91 < _____ >

UTM *ACCURACY GEODETIC

*NORTHING A120 < 3, 8, 0, 8, 7, 9, 0 > ACCURATE (circle) *LATITUDE A70 < _____ N >

*EASTING A130 < 3, 8, 9, 7, 4, 0 > ESTIMATED EST < _____ > *LONGITUDE A80 < _____ W >

ZONE NUMBER A110 < +, 1, 2 >

CADASTRAL

*TOWNSHIP(S) A77 < 0, 1, 2, N, 1, 1 > RANGE(S) A78 < 0, 0, 2, E, 1, 1 >

*SECTION(S) A79 < 17 >

*SECTION FRACTION(S) A76 < SE OF SW >

*MERIDIAN(S) A81 < GILA AND SALT RIVER >

POSITION FROM NEAREST PROMINENT LOCALITY A82 < 4.1 MILES NORTHEAST OF MAYER, ARIZONA >

LOCATION COMMENTS A83 < 0.5 MILES SOUTHEAST OF STODDARD MINE >

* ESSENTIAL INFORMATION
 + ESSENTIAL SOMETIMES OR HIGHLY RECOMMENDED

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine ^{M14613}
Miner

Date March 30, 1957

District Agua Fria

Engineer Mark Gemmill

Subject: Present Operation

The property consisting of several patented claims was recently acquired from Joe Starnick, Humboldt, by the U. S. Consolidated Mines Inc. E. Fredericks, Mgr. Room 18, Bashford Bldg. Prescott.

This property had been extensively developed 30 or 40 years back, with a shaft reported to be 400 ft. deep and considerable drifting.

The ore almost entirely copper was very erratic being in a fractured zone in Schist. The mine has had very little production as most of the ore found was too low grade for shipment.

The present operator had reconditioned the shaft which was completely caved, when last reported to the 200 ft. level and opened the drifts. Several shipments of ore have been made recently.

It is reported that some drilling is planned as well as other work. Exact information on this work and other plans of the company are not available.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine MINER

Date OCT 9th, 1942

District BIG BUG

Engineer A.C. NEBEKER

Subject: PRODUCTION POSSIBILITIES

The Miner Mine is a Group of claims located 5 miles East of Mayer, Arizona.

This property has just been started up and managed by Mr P. Peery.

They are working now in the main working vertical shaft on the 100 foot level and taking out some copper ore. The vein approximately $2\frac{1}{2}$ feet thick being worked.

Mr Peery was not at the property when I was there, so this information is from my own observations and what I could get out of the men working there.

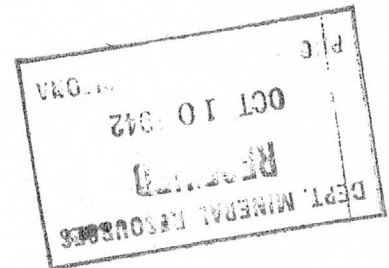
There are five Mexicans working and they have an ore bin full of ore now, and I am informed that they expect to ship a car to two cars per week now.

The property is equiped with a two stage I.R. Compressor driven by a 100 H.P. Oil burning engine, a hoist with cable good for several hundred feet driven by Gas or oil engine, a portable compressor, tigger hoist, blacksmith shop, power house, stoppers, jackhammers, steel cars, and bunkhouse

The road to the property is up and down, crooked, but good.

Under the present stage of development it is hard to say just what tonnage may be produced.

A.C. Nebeker



REPORT
On The ✓
MOUNTAIN COPPER CORPORATION
HOLDINGS
In The
AGUA FRIA MINING DISTRICT, YAVAPAI COUNTY,
ARIZONA

GENERAL GEOLOGY

In Folio 128 "Bradshaw Mountains Quadrangle, Arizona" by Jagger and Palache, they speak of the broad belt of Yavapai Schists extending from the Blue Bell Mine on the South, through Copper Mountain to Jerome on the north. These schists comprise phyllites, silvery sericite schists, quartz or quartz porphyry schists and chloritic schists, with boldly outcropping quartzite ledges.

At the points mentioned the schists are impregnated by copper ores and have been more or less prospected. The continuity and lineal character of this belt of schists, and the similarity of the copper deposits at intervals along it, indicate a widespread uniformity of conditions as existing here and point to a probability of a copper bearing zone.

A type of vein or veins consists of impregnations or replacements in the schist; chalcopyrite, pyrite and bornite with more or less quartz replace chlorite schist or amphibolite, forming bodies of irregular or indefinite outline. Small stringer veins carrying the same minerals are also present in places, but the formations as a whole appears to be a replacement. The surface zones of such deposits are siliceous schists pitted and copper stained with films of native copper and sometimes of cuprite, together with the minerals chrysocolla and the carbonates. Precious metal values are also found in these deposits.

The geology above stated is generally applicable to the immediate property, here, however, there being a preponderance of schistose quartz porphyry wherein are several fissure types of veins, recognizable as such by the brecciated condition of the vein or veins, recemented by quartz and sulphides, where sufficiently wide to be seen and inspected.

These veins lie along a more or less sheared zone believed to be and apparently indicated as the southern extension of the zone passing through the Stoddard and Binghamton Mines.

ORE MINERALS

It is apparent that the early miners worked only the rich surface oxide ores consisting of the carbonates and perhaps local bodies of cuprite. The deeper minerals are mostly chalcopyrite, with, near the water level, chalcocite enrichments.

MINOR CLAIMS

LOCATION

The property of the MOUNTAIN COPPER CORPORATION lies in the AGUA FRIA MINING DISTRICT, Yavapai County, Arizona, more particularly in the Eastern part of the unsurveyed Township 12 North, Range 2 East, G. & S. R. B. & M., 35 miles by road in a Southeasterly direction from PRESCOTT, the County Seat of Yavapai County, and the largest immediate source of supplies.

MAYER, the nearest bulk shipping point, a station on the Prescott and Eastern Branch of the Santa Fe R. R., lies approximately 5 miles west and affords daily mail service and telephone connections.

The Road from Prescott to Mayer is a well kept State Highway, from Mayer to the property is at present a little traveled road and has not generally been maintained, though the grades are generally not heavy and maintenance no particular problem.

CLAIMS

The group of claims held by the corporation consists of the following unpatented Lode Locations, of record in the Recorder's Office of Yavapai County.

NAME

- ✓Copper Glance
- ✓Arizona Minor
- ✓Redlands
- ✓Redlands No. 1
- ✓Redlands No. 2
- ✓Durzog
- ✓Durzog No. 1
- ✓Durzog No. 2
- ✓Durzog No. 3
- ✓Durzog No. 4
- ✓Durzog No. 5
- ✓Arth
- ✓Shannon

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TOPOGRAPHY

The claims lie on the Northeastern slope of the prominent Copper Mountain, drainage being Eastward to the Agua Fria River, through several minor but deeply cut gulches, barren of all vegetation. The elevation is approximately 4200 feet above sea level with a drop to an elevation of 3800 feet to the river in a distance of one half mile.

SURFACE SHOWINGS

It is quite apparent that the original locators recognized a definite sheared zone on which the claims were located. The most intensively mineralized area seems to be particularly on the now Burzog claim. Across this, striking approximately North 10 degrees west, separated by approximately 75 feet, are two fault fractures. They appear to dip in opposite directions, the Easterly slightly to the East and the Westerly slightly Westward. While these fractures are more or less obscured, they are noticeably continuous over a long distance now traced by old cuts and short shafts. These are pre-mineral faults and constitute the veins along which operations have taken place. Where the shaft is now sunk and a tunnel driven there still remains, in spite of the dumps, evidence to indicate a more intensely mineralized area than anywhere now to be seen on the property. The development work has only investigated the Eastern fracture, only a small shaft having been sunk on the western fracture.

There appears to be other fractures toward the Eastern end of the area but such have not been investigated at this time.

DEVELOPMENT OF THE GROUP

A tunnel, 185 feet long, a short distance below the surface now the 25 foot level of the shaft driven along the vein striking North 10 degrees West.

A shaft, well timbered, of one and one-half compartments, size 5 x 7 feet, 465 feet deep, in which the water now stands at approximately 200 feet below the collar of the shaft.

From this shaft at 109 feet is a short cross-cut to the vein along which a drift extends 150 feet Northward and 15 feet Southerly; at 125 feet Northerly from the shaft a stope has been carried down approximately 55 feet and about 40 feet in length with an average width of 3 feet and a raise started above the winze.

At 250 feet in depth is the third level 155 feet Northerly along the vein and about 50 feet Southerly, with a winze at the end of this short drift, showing some ore.

During the Summer of 1940 a cross cut was driven for a

distance of 65 feet intersecting a vein 10 feet wide, and drifted upon for approximately 65 feet, showing some very high grade shipping ore in bunches, the balance being ore of mill grade, probably of an average copper content of 3% to 5% plus from \$3.50 to \$6.50 per ton in gold and silver, mostly gold.

At 350 feet, the fourth level, driven 108 feet Northerly.

At 460 feet, the fifth level, driven 188 feet in a Northeasterly direction along a fault.

WATER

At present the mine makes approximately 14,000 gallons per day. This would be sufficient for a 100 ton per day concentrator. Water for domestic purposes is available by piping from a spring within a half mile. Deepening of the shaft no doubt would increase the flow of water, as well as general development work on the various levels now existing. Water for larger milling operations would have to be pumped from the Agua Fria River a distance of a half mile and with a lift of perhaps 400 feet.

ELECTRIC POWER

Within a mile and a half of the property is a major transmission line of the Arizona Power Corporation, which when required can be extended to the property at an estimated cost of \$2,500,000, returnable out of power consumption.

EQUIPMENT

Though not of the latest type, the machinery is in good working condition and consists of the following major pieces.

CHARTERS, single cylinder, heavy duty, 70 horse power gas engine, directly connected to

INGERSOLL RAND, Imperial type, Two-stage Compressor of 350 feet air capacity.

WESTERN, heavy duty, single cylinder, 50 horse power gas engine directly connected to Hoist and capable of 1000 feet of service.

WAUKESHAW, 25 horse power gas engine, belt connected to DORWARD Double-acting pump of 50 gallons per minute capacity. 30 foot HEADFRAME equipped with necessary accessories and fitted with cage.

MISCELLANEOUS mining equipment, such as jack-hammers, one stoper, tools, rails, ore car, etc.

CAMP BUILDINGS:

One Mess building 20 x 50 feet, in fair condition. ✓

Two dwellings, not in very good condition.

Two large water tanks.

Engine and Hoist Building of corrugated iron.

Blacksmith Shop.

Change Room.

ESTIMATED WORTH OF PRESENT DEVELOPMENT AND PLANT

The SHAFT, 5 x 7 feet, one and one-half compartments, timbered with 8 x 8 Oregon Pine, lagged and laddered can be estimated to have cost \$75.00 per foot \$34,875.00
Drifting an estimated 800 feet can be assumed as having cost \$10.00 per foot \$8,000.00
Diamond Drilling, approximately 1760 feet at an estimated cost of \$3.00 per foot \$5,280.00
Plant in its present condition installed can be estimated as being worth approximately \$15,000.00
Buildings, as is, estimated at \$1,000.00
Miscellaneous equipment \$2,500.00
A duplication of the Plant and Development work would represent a Total Of \$66,655.00

DIAMOND DRILL HOLES:

The diamond drill holes indicate bodies of milling ore and perhaps some of a shipping grade. Data is as follows: In arriving at the average value per ton, gold was figured at \$35.00 per ounce, silver at \$0.71 cents per ounce and copper at 12.00 cents per pound: ✓

Hole No. 1 - Length 350 feet - Location 460 Foot Level
at 175 to 195 feet - 20 Feet of Ore

Gold	0.16 OZS.	\$5.28	
Silver	1.44 "	1.02	
Copper	1.01%	2.42	\$8.72

At 237 to 245 Feet - 8 Feet of Ore

Gold	} not assayed	?	
Silver		" "	?
Copper	1.32%	<u>\$3.17</u>	\$3.17

At 270 to 299 Feet - 29 Feet of Ore

Gold	0.11 ozs.	\$3.85	
Silver	0.23 "	.14	
Copper	0.61 %	<u>1.46</u>	\$5.45

Hole No. 1 A - Length 204 Feet - 460 foot Level

At 68 feet to 83 feet - 15 Feet of Ore

No assays available, 5 feet of this cut high grade ore.

At 145 feet, cut 4 feet of oxide ore, no assays available

At 168 feet cut 5 feet of solid chalcopryrite ore, no assays available

Hole No. 2 - Length 303 Feet - 460 Foot Level

At 94 to 99 Feet - 5 Feet of Ore

No assays available - Cut 2 feet of High Grade Ore

At 136 to 145 Feet - 9 Feet of Ore

No assays available - Cut low grade ore

At 152 to 157 Feet - 5 Feet of Ore

Gold	} not assayed	?	
Silver		" "	?
Copper	1.01 %	<u>\$2.42</u>	\$2.42

At 267 to 272 Feet - 5 Feet of Ore

Gold	0.07 ozs.	\$2.45	
Silver	0.45 "	.32	
Copper	2.12 %	<u>5.09</u>	\$7.86

Hole No. 3 - Length 347 Feet - 460 Foot Level

At 112 to 120 feet - 8 Feet of Ore

Gold	1.24 ozs.	\$43.40	
Silver	1.02 "	.72	
Copper	1.72 %	<u>4.23</u>	\$48.35

At 140 to 145 Feet - 5 Feet of Ore

Gold	0.11 ozs.	\$3.85	
Silver	0.12 "	.09	
Copper	0.91 %	<u>2.18</u>	\$6.12

At 160 to 170 Feet - 10 Feet of Ore

Gold	} Not assayed	?	
Silver		" "	?
Copper	1.51 %	<u>\$3.62</u>	\$3.62

At 197 to 199 Feet - 2 Feet of Ore

Gold	0.13 ozs.	\$4.55	
Silver	0.12 "	.09	
Copper	1.32 %	<u>3.17</u>	\$7.81

At 199 to 209 Feet - 10 Feet of Ore

Gold	0.10 ozs.	\$3.50	
Silver	0.16 "	.11	
Copper	1.01 %	<u>2.42</u>	\$6.03

At 241 to 260 Feet - 19 Feet of Ore

Gold	0.09 ozs.	\$3.15	
Silver	0.17 "	.12	
Copper	0.82 %	<u>1.97</u>	\$5.24

At 350 to 361 Feet - 11 Feet of Ore

Gold	0.12 ozs.	\$4.20	
Silver	0.21 "	.15	
Copper	0.71 %	<u>1.70</u>	\$6.05

At 298 to 317 Feet - 19 Feet of Ore

Gold	0.13 ozs.	\$4.55	
Silver	0.26 "	.18	
Copper	1.01 %	<u>2.42</u>	\$7.15

Hole No. 4 - Length 217 Feet - 460 Foot Level

No data available on this hole, records apparently lost

Hole No. 5 - Length 220 Feet - 460 Foot Level

This hole cut through 35 feet of too soft a material which would not core, material was black and sooty like, possibly chalcocite.

Hole No. 6 - Length 120 Feet - 250 Foot Level

At 90 to 97 Feet - 7 Feet of Ore

No samples assayed for gold and silver

Two samples assayed for copper only

(1) Copper 3.56%	\$8.54	\$8.54
(2) Copper 6.09%	14.62	14.62

RECAPITULATION

No. 1 - Three Orebodies Cut

(1)	20 Feet Wide
(2)	9 " "
(3)	29 " "
	<u>58 Feet Total</u>

No. 1A - Three Orebodies Cut

(1)	15 Feet Wide
(2)	4 " "
(3)	5 " "
	<u>24 Feet Total</u>

No. 2 -- Four Orebodies Cut

(1)	8 Feet Wide
(2)	9 " "
(3)	5 " "
(4)	5 " "
	<u>27 Feet Total</u>

No. 3 -- Eight Orebodies Cut

(1)	8 Feet Wide
(2)	5 " "
(3)	10 " "
(4)	2 " "
(5)	10 " "
(6)	19 " "
(7)	11 " "
(8)	19 " "
	<u>84 Feet Total</u>

No. 1A	24 Feet Total
No. 1	58 Feet Total
No. 2	27 Feet Total
No. 3	<u>84 Feet Total</u>
	193 Grand Total

Length of Diamond Drill Holes

No. 1	350 Feet
1A	204 "
2	303 "
3	347 "
4	217 "
5	<u>220 "</u>
	1641 Feet -- All on 460 Foot Level
1	<u>120 "</u> On 250 Foot Level
	1761 Feet

PROPOSED DEVELOPMENT WORK

Continue development work on 250 foot level and open up more ore on the cross-cut put in during the summer of 1940, follow diamond drill hole which shows high grade copper ore and develop this vein. Start stoping operations. Drift on all 7 diamond drill holes on the 460 foot level or a total of at least 1,000 feet. This will open up all of the mill ores as well as high grade ores, sufficiently to warrant the installation of a 200 ton per day concentrator, as at least 16 working places will be opened up on the 250 and 460 foot levels.

Mixing high grade as well as lower grade ores, this should be productive of at least a 3% copper mill heads, plus an average of \$6.50 per ton in gold and silver, or a total mill head of \$13.70 per ton. (This figure is based upon mining the high grade gold ore from Hole No. 3 -- eight feet wide.)

From the above we therefore obtain the following metallurgical data:-

Assays: Gold 0.17 ozs. per ton, Silver 0.70 ozs. per ton, Copper 3.00% per ton
 Recovery: 90% 90% 90%
 Metal Prices \$32.50 per ounce .71 cents per ounce 12.00 cents per pound
 less 2.5¢ or 9.5¢ per pound

Ration of Concentration

Copper Concentrates 10 : 1

<u>Copper Concentrates</u>	<u>Dr.</u>	<u>Cr.</u>	<u>%</u>
Gold .17 x 90% x 10 x \$32.50		\$49.73	48.10
Silver .70 x 90% x 10 x 71¢ x 95%		4.25	4.12
Copper 3.00% x 90% x 20# x 10 less 20# x 9.5¢ (12.00 less 2.5¢)		49.40	47.78
Gross value per ton Copper Concentrates		\$103.38	100.00
Less: Freight to Clarkdale, Arizona	\$4.80		
Smelting Charges	6.00	10.80	10.45
Net Value per ton Copper Concentrates		\$92.58	89.55
Value per ton of Crude Ore (After all freight, smelter charges and metallurgical loss)		\$9.25	

<u>SUMMARY</u>	<u>Dr.</u>	<u>Cr.</u>	<u>%</u>
Net Value per ton of Crude Ore		\$9.25	100.00
Less: Mining	\$2.00		
Milling	1.00		
General Overhead	.50	3.50	37.84
NET PROFIT PER TON CRUDE ORE		\$5.75	62.16

On a basis of a 200 ton per day production and milling capacity and 360 operating days per year, the annual profit amounts to

$$200 \times 360 \times \$5.75 = \$414,000.00$$

(72,000 tons per year)

Eliminating the high grade gold ore of Hole No. 3, which assayed 1.24 ozs. gold per ton or \$43.40 and taking the assay values of the diamond drill holes of the known samples, (further eliminating the inclusion of higher grade copper ores to sweeten the mill heads) in gold, silver and copper, the metallurgical data on the, therefore, known samples and assays, is as follows:-

Assays: Gold 0.11 ozs. per ton, Silver 0.42 ozs. per ton, Copper 1.65% per ton
 Recovery: 90% 90% 90%
 Metal Prices \$32.50 per ounce .71 cents per ounce 12.00 per pound, less 2.5¢
 or 9.5¢ per pound

Ration of Concentration

Copper Concentrates 10 : 1

<u>Copper Concentrates</u>	<u>Dr.</u>	<u>Cr.</u>	<u>%</u>
Gold .11 ozs. x 90% x 10 x \$32.50		\$53.05	53.38
Silver .42 ozs. x 90% x 10 x 71¢ x 95%		2.55	4.11
Copper 1.65% x 20# x 90% x 10 less 20# x 9.5¢ (12.00 less 2.5¢)		<u>26.32</u>	<u>42.51</u>
Gross Value per ton of Copper Concentrates		\$61.92	100.00
Less: Freight to Clarkdale, Arizona	\$5.80		
Smelting Charges	<u>6.00</u>	<u>9.80</u>	<u>15.83</u>
Net Value per ton of Copper Concentrates		\$52.12	84.17
Value per ton of Crude Ore (After Freight, smelter charges and metallurgical loss)		\$5.21	

<u>SUMMARY</u>	<u>Dr.</u>	<u>Cr.</u>	<u>%</u>
Net Value per ton of Crude Ore		\$5.21	100.00
Less: Mining	\$2.00		
Milling	1.00		
General Overhead	<u>.50</u>	<u>3.50</u>	<u>67.18</u>
NET PROFIT per ton CRUDE ORE		\$1.71	32.82

On a basis of a 200 ton per day production and milling capacity and 360 operating days per year, the annual profit amounts to

$$200 \times 360 \times \$1.71 = \$123,120.00$$

(72,000 Tons per Year)

It is recommended that milling operations be started at a rate of 200 tons per day, the concentrator to be built in such a manner to allow the installation of additional milling equipment to progressively step up the milling rate as the mine operations increase the tonnages available for larger milling capacity.

That this will be an accomplished fact, one needs only to realize that the ore widths of the diamond drill holes amount to 193 feet total. There are 16 or more places available as soon as at least 1000 feet of drifting has been done and stoping operations fairly well advanced, and when this has been done the mine will deliver 500 tons per day and should eventually produce 1000 tons per day.

Such increase in ore production and milling capacity, will also reduce operating costs and increase profits.

Upon a milling rate of 500 tons per day, the total tonnage mined and

milled for 360 days per year, would be 180,000 tons per year and at a profit of only \$1.71 per ton, taking only the average milling ore into consideration, and not including the higher grade ores which would also be developed, the annual profit on this basis amounts to \$307,800.00. If the higher grade ore can be maintained as presented by the first metallurgical data, upon a basis of 500 tons per day and an operating profit of \$5.75 per ton, the annual profit amounts to \$1,035,000.00.

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MOUNTAIN COPPER CORPORATION

Mountain Copper Corporation was organized and incorporated under the Laws of the State of Arizona, October, 1938 for the purpose of taking over the property then being operated by a partnership, under the name of Burke and Herzog, who in turn had taken over the property at one time belonging to the Redlands Copper Company and local people within the State. The group was enlarged through the location of additional claims, all now vested in the name of the corporation. All claims are unpatented, and annual assessment work has been kept up to date.

Capital consists of 1,500,000 shares of common stock, par value of 50 cents per share, non-assessable, or total capital stock amounting to \$750,000.00. Of this amount 375,000 shares or \$187,500.00 are outstanding and the remainder of 1,125,000 shares or \$562,500.00 are in the treasury of the corporation for future use.

It is planned to use part of this un-issued treasury stock for the financing of a proposed development program and the installation of a concentrator of 200 tons per day capacity to bring the property to production, as sufficient ore bodies have been prospected by diamond drill holes and drifting, to warrant such development work and the installation of a concentrator, bringing electric power line to the property. While the property is primarily called a copper property, assays show, that better than 50% of the values are in gold.

Ajo, Arizona
May 12, 1941

✓
MOUNTAIN COPPER CORPORATION

APPENDIX NO. 1

The following will show the yearly gross value production of gold, silver and copper at the rate of 200 and 500 tons per day respectively:-

This is based upon the first metallurgical data as presented on Page No. 9

200 tons per day, 360 days per year or 72,000 tons:

		<u>Gross Value</u>	<u>%</u>
12,240 ozs. Gold	@ \$35.00 per oz.	\$428,400.00	45.60
50,400 " Silver	.71¢ " "	35,704.00	3.64
4,820,000 lbs. Copper	12.00¢ " Lb.	<u>518,400.00</u>	<u>52.76</u>
YEARLY GROSS VALUE PRODUCTION		\$982,504.00	100.00

500 tons per day, 360 days per year or 180,000 tons:

30,600 ozs. Gold	@ \$35.00 per oz.	\$1,071,000.00	43.60
126,000 " Silver	.71¢ " "	89,460.00	3.64
10,800,000 lbs. Copper	12.00¢ " Lb.	<u>1,295,000.00</u>	<u>52.76</u>
YEARLY GROSS VALUE PRODUCTION		\$2,456,460.00	100.00

BASED UPON SECOND METALLURGICAL DATA AS PRESENTED ON PAGE NO. 10

200 tons per day, 360 days per year or 72,000 tons:

		<u>Gross Value</u>	<u>%</u>
7,920 ozs. Gold	@ \$35.00 per oz.	\$277,200.00	47.48
30,240 " Silver	.71¢ " "	21,470.40	3.68
2,376,000 lbs. Copper	12.00¢ " Lb.	<u>285,120.00</u>	<u>48.84</u>
YEARLY GROSS VALUE PRODUCTION		\$583,790.40	100.00

500 tons per day, 360 days per year or 180,000 tons:

19,800 ozs. Gold	@ \$35.00 per oz.	\$693,000.00	47.48
75,600 " Silver	.71¢ " "	53,676.00	3.68
5,940,000 lbs. Copper	12.00¢ " Lb.	<u>712,800.00</u>	<u>48.84</u>
YEARLY GROSS VALUE PRODUCTION		\$1,459,476.00	100.00

ARIZONA DEPARTMENT OF MINERAL RESOURCES
Capitol Building, Phoenix, Arizona

Name of property. Mountain Copper Corporation #209 Hotel Cornelia, Ajo, Arizona

Location and accessibility of property. Five miles east of Mayer, Arizona, the nearest bulk shipping point, a station on the Prescott and Eastern Branch of the Santa Fe R. R. Road to property is at present a little traveled road and has not generally been maintained, though the grades are generally not heavy and maintenance no particular problem.

History of ownership. Much of past unknown. Abstract of title shows various locators, etc. and around 1923 property was operated by the Redlands Copper Co., of Redlands, Calif. until about 1929, when the bottom fell out of the copper market. Property idle then until 1937 when relocated by Burke and Herzog, under partnership agreement, and exploratory work on the 109 level opened up some very rich copper ore, 1938, property was incorporated into the present known Mountain Copper Corporation, with intention of raising funds to carry out deeper development work to open up the high grade indicated in the winze on the 109 level, but attempt to sell stock not successful, therefore, only annual assessment work done, with exception of unwatering to the 250 level during 1940 and crosscutting under winze ore, which ore was opened up on the 250 level, but work stopped due to inadequate pumping facilities and insufficient capital to carry on and install modern equipment.

Production history. During the partnership operation, approximately 390 tons of ore shipped in 1937 and early 1938, which gave something like \$4,000.00 net smelter returns. During 1940 some prospecting upon other claims, has yielded about one car load of ore, not yet shipped, therefore value unknown. Average value per pound of copper 10.2145¢, when shipments were made. Smelter deducted 2.5¢ from this. No record of earlier production, although Redlands Copper Co., shipped several cars of ore, some from the 109 level and the 250 level, tonnage and values not known.

General geology (brief) A broad belt of Yavapai schists extending from the Blue Bell Mine on the south, through Copper Mountain to Jerome on the north. These schists comprise phyllites, silvery sericite schists, quartz or quartz porphyry schists and chloritic schists with boldly outcropping quartzite ledges. The schists are impregnated by copper ores and have been more or less prospected. The continuity and lineal character of this belt of schists, and the similarity of the copper deposits at intervals along it, indicate a widespread uniformity of conditions as existing here and point to a probability of a copper bearing zone. A type of vein or veins consists of impregnations or replacements in the schists; chalcopyrite, pyrite and bornite with more or less quartz replace chlorite schist or amphibolite, forming bodies of irregular or indefinite outline. Small stringer veins carrying the same minerals are also present in places, but the formations as a whole appears to be a replacement. The surface zones of such deposits are siliceous schists pitted and copper stained with films of native copper and sometimes of cuprite, together with the minerals chrysocolla and the carbonates. Precious metal values are also found in these deposits. The veins lie along a more or less sheared zone believe to be and apparently indicated as the Souther Extension of the zone passing through the Stoddard and Binghamton mines to the north.

Ore occurrence. It is apparent that the early miners worked only the rich surface oxide copper ores consisting of the carbonates and perhaps local bodies of cuprite. The deeper minerals are mostly chalcopyrite, with, near the water level, chalcocite enrichments. The original locaters recognized a definite sheared zone on which the claims were located. The most intensively mineralized area seems to be particularly on the now Burzog claim. Across this, striking approx. North 10 degrees west, separated by approx. 75 feet, are two fault fractures. They appear to dip on opposite directions, the easterly slightly to the east and the westerly slightly to the west. While these fractures are more or less obscured, they are noticeably continuous over a long distance now traced by old cuts and short shafts. These are pre-mineral faults and constitute the veins along which operations have taken place. Development work has only investigated the eastern fracture, only a small shaft having been sunk on the western fracture. (The reserve quantities and values).

Recent development work on the 259 level indicated, that the ore comes down from the 109 level, or 150 feet deeper. Driving another 100 ft. on the 259 level, this should open up between 10,000 to 15,000 tons of shipping ores.

Diamond drilling on the 460 level and one hole on the 259 level, cut at least 16 places of ores, some of high grade shipping grade, but mostly of milling grade. Average width from 5 to 19 ft. wide. Average shipping ore, will go around 10 to 15%, the average grade of the mill ores, will run as follows:

Gold 0.11 ozs. per ton, Silver 0.42 ozs. per ton, Copper 1.65% per ton.

Accessory metals of value.

The average gold value of the ore taken from the 109 level, high grade copper ore, running from 10 to 42%, was only \$1.40, but samples taken of the ore on the 259 level, the gold will average from \$3.50 to \$7.00 per ton, with very little silver. (Development work done).

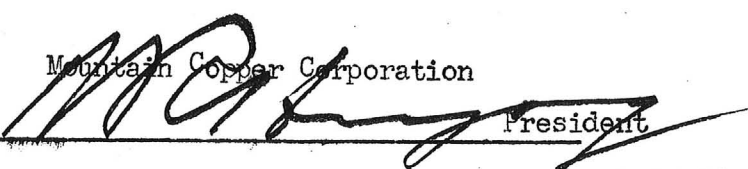
1 shaft 460 ft. deep, with levels at 25, 109, 259, 350 and 460. Approx. 800 ft. of drifting on various levels. Also another shaft, 2000 ft. to the north of main shaft, 200 ft. deep, which has ore at the 135 to 165, of 30 ft. running from 5 to 11% copper. Approx. 1600 ft. of diamond drilling to prove up ore bodies. Shaft size 5 x 7, one and one half compartments timbered with 8 x 8 Oregon Pine.

Plants (with capacity) already on property. Charters single cylinder, heavy duty, 70 HP gas engine direct connected to Ingersoll Rand, Imperial type, two stage compressor, of 350 ft. air capacity. One Western, heavy duty, single cylinder, 50 HP gas engine, direct connected to Hoist and capable of 1000 feet of service. One 25 HP Waukeshaw gas engine belt connected to Dorward double acting pump of 50 gallons per minute capacity. 30 foot headframe. Hoist building, blacksmith shop, and one boarding house and one frame building. Ore car, rails, tools, jackhammers and stoper, and miscl. equipment on hand.

Mountain Copper Corporation

Date May 24th., 1941

Signed


President

COPY

REPORT ON THE MOUNTAIN COPPER CORPORATION HOLDINGS
IN THE AGUA FRIA MINING DISTRICT, YAVAPAI COUNTY, ARIZONA.

LOCATION The property of the Mountain Copper Corporation lies in the Agua Fria Mining District, Yavapai County, Arizona, more particularly in the eastern part of the unsurveyed Township 12 North, Range 2 East, G. & S.R.B. & M., 35 miles by road in a southeasterly direction from Prescott, the County Seat of Yavapai County, and the largest immediate source of supplies.

MAYER, the nearest bulk shipping point, a station on the Prescott and Eastern Branch of the Santa Fe R. R., lies approximately 5 miles west and affords daily mail service and telephone connections.

The road from Prescott to Mayer is a well kept State Highway, from Mayer to the property is at present a little traveled road and has not generally been maintained though the grades are generally not heavy and maintenance no particular problem.

CLAIMS - The group of claims held by the corporation consists of the following unpatented lode locations, of record in the Recorder's Office of Yavapai Co.
Name: Copper Glance, Arizona Minor, Redlands, Redlands No. 1, Redlands No. 2, Burzog, Burzog No. 1, Burzog No. 2, Burzog No. 3, Burzog No. 4, Burzog No. 5, Arth, Shannon.

TOPOGRAPHY - The claims lie on the northeastern slope of the prominent Copper Mountain, drainage being eastward to the Agua Fria River, through several minor but deeply cut gulches, barren of all vegetation. The elevation is approximately 4200 feet above sea level with a drop to an elevation of 3800 feet to the river in a distance of one half mile.

GENERAL GEOLOGY - In Folio 126 "Bradshaw Mountains Quadrangle, Arizona" by Jaggard and Palache, they speak of the broad belt of Yavapai Schists extending from the Blue Bell Mine on the south, through Copper Mountain to Jerome on the north. These schists comprise phyllites, silvery sericite schists, quartz or quartz porphyry schists and chloritic schists, with boldly outcropping quartzite ledges.

At the points mentioned the schists are impregnated by copper ores and have been more or less prospected. The continuity and lineal character of this belt of schists, and the similarity of the copper deposits at intervals along it, indicate a widespread uniformity of conditions as existing here and point to a probability of a copper bearing zone.

A type of vein or veins consists of impregnations or replacements in the schist; chalcopyrite, pyrite and bornite with more or less quartz replace chlorite schist or amphibolite, forming bodies of irregular or indefinite outline. Small stringer veins carrying the same minerals are also present in places, but the formation as a whole appears to be a replacement. The surface zones of such deposits are siliceous schists pitted and copper stained with films of native copper and sometimes of cuprite, together with the minerals chrysocolla and the carbonates. Precious metal values are also found in these deposits.

The geology above stated is generally applicable to the immediate property, here, however, there being a preponderance of schistose quartz porphyry wherein are several fissure types of veins, recognizable as such by the brecciated condition of the vein or veins, recemented by quartz and sulphides, where sufficiently wide to be seen and inspected.

These veins lie along a more or less sheared zone believed to be and apparently indicated as the southern extension of the zone passing through the Stoddard and Binghamton Mines.

ORE MINERALS - It is apparent that the early miners worked only the rich surface oxide ores consisting of the carbonates and perhaps local bodies of cuprite. The deeper minerals are mostly chalcopyrite, with, near the water level, chalcocite enrichments.

SURFACE SHOWINGS - It is quite apparent that the original operators recognized a definite sheared zone on which the claims were located. The most intensively mineralized area seems to be particularly on the now Burzog claim. Across this, striking approximately north 10 degrees west, separated by approximately 75 feet, are two fault fractures. They appear to dip in opposite directions, the easterly slightly to the east and the westerly slightly westward. While these fractures are more or less obscured, they are noticeably continuous over a long distance now traced by old cuts and short shafts. These are pre-mineral faults and constitute the veins along which operations have taken place. Where the shaft is now sunk and a tunnel driven there still remains, in spite of the dumps, evidence to indicate a more intensely mineralized area than anywhere now to be seen on the property. The development work has only investigated the eastern fracture, only a small shaft having been sunk on the western fracture, There appears to be other fractures toward the eastern end of the area but such have not been investigated at this time.

DEVELOPMENT OF THE GROUP - A tunnel 185 feet long, a short distance below the surface now the 25 foot level of the shaft, driven along the vein striking north 10 degrees west.

A shaft, well timbered, of one and one-half compartments, size 5 x 7 feet, 465 feet deep, in which the water now stands at approximately 200 feet below the collar of the shaft.

From this shaft at 109 feet is a short crosscut to the vein along which a drift extends 150 feet northward and 15 feet southerly; at 125 feet northerly from the shaft a stope has been carried down approximately 55 feet and about 40 feet in length with an average width of 3 feet and a raise started above the winze.

At 250 feet in depth is the third level 155 feet northerly; along the vein and about 50 feet southerly, with a winze at the end of this short drift, showing some ore.

During the summer of 1940 a cross cut was driven for a distance of 65 feet intersecting a vein 10 feet wide, and drifted upon for approximately 65 feet, showing some very high grade shipping ore in bunches, the balance being ore of mill grade, probably of an average copper content of 3% to 5% plus from \$3.50 to \$6.50 per ton in gold and silver, mostly gold.

At 350 feet, the fourth level, driven 108 feet northerly.

At 460 feet, the fifth level, driven 188 feet in a northeasterly direction along a fault.

WATER - At present the mine makes approximately 14,000 gallons per day. This would be sufficient for a 100 ton per day concentrator. Water for domestic purposes is available by piping from a spring within a half mile. Deepening of the shaft no doubt would increase the flow of water, as well as general development work on the various levels now existing. Water for larger milling operations would have to be pumped from the Agua Fria River a distance of a half mile and with a lift of perhaps 400 feet.

ELECTRIC POWER - Within a mile and a half of the property is a major transmission line of the Arizona Power Corporation, which when required can be extended to the property at an estimated cost of \$2,500,000 returnable out of power consumption.

EQUIPMENT - Though not of the latest type, the machinery is in good working condition and consists of the following major pieces.

CHARTERS, single cylinder, heavy duty, 70 HP gas engine, directly connected to

INGERSOLL RAND, Imperial type, two-stage Compressor of 350 feet air capacity
WESTERN, heavy duty, single cylinder, 50 HP gas engine directly connected to Hoist and capable of 1000 feet of service.

WAUKESHAW, 25 HP gas engine, belt connected to

DORWARD Double-acting pump of 50 gallons per minute capacity.

30 foot HEADFRAME equipped with necessary accessories and fitted with cage.
MISCELLANEOUS mining equipment, such as jack-hammers, one stoper, tools, rails, ore car, etc.

CAMP BUILDINGS: One Mess Building 20 x 50 feet, in fair condition; Two dwellings, not very good condition; Two large water tanks; Engine and Hoist Building of corrugated iron; Blacksmith Shop; Change Room.

ESTIMATED WORTH OF PRESENT DEVELOPMENT AND PLANT: The Shaft, 5 x 7 feet, one and one-half compartments, timbered with 8 x 8 Oregon Pine, lagged and laddered can be estimated to have cost \$75 per ft. or total of \$34,875.00
 Drifting an estimated 800 ft. can be assumed as having cost \$10 per ft. 8,000.00
 Diamond drilling, approximately 1760 ft. at an estimated cost of \$3 per ft. 5,280.00
 Plant in its present condition installed can be estimated as being worth approximately 15,000.00
 Buildings, as is, estimated at 1,000.00
 Miscellaneous equipment 2,500.00
 A duplication of the Plant and Development work would represent a total of \$66,655.00

DIAMOND DRILL HOLES: The diamond drill holes indicate bodies of milling ore and perhaps some of a shipping grade. Data is as follows: In arriving at the average value per ton, gold was figured at \$35 per ounce, silver at \$0.71 cents per ounce and copper at 12 cents per pound:

Hole No. 1 - Length 350 feet - Location 460 foot level at 175 to 195 feet - 20 ft. of ore -- Gold, 0.16 ozs - \$5.28; Silver, 1.44 oz. - \$1.02; Copper, 1.01% - \$2.42
 Total of \$8.72.

At 237 to 245 feet - 8 feet of ore: Gold, not assayed; Silver, not assayed; Copper, 1.32% - \$3.17

At 270 to 299 feet - 29 ft. of ore: Gold, 0.11 ozs. - \$3.85; Silver, 0.25 ozs. - \$0.14
 Copper, 0.61% - \$1.46; Total \$5.45.

Hole No. 1 A - Length 204 feet - 460 foot Level - At 68 feet to 83 ft. - 15 ft. of ore
 No assays available, 5 feet of this cut high grade ore.
 At 145 feet, cut 4 feet of oxide ore, no assays available.
 At 168 feet cut 5 ft. of solid chalcopryrite ore, no assays available

Hole No. 2 - Length 303 feet - 460 foot level - At 94 to 99 ft. - 5 ft. of ore
 No assays available - Cut 2 ft. of High Grade Ore.
 At 136 to 145 feet - 9 feet of Ore
 No assays available - Cut low grade ore
 At 152 to 157 feet - 5 feet of Ore:- Gold, not assayed; Silver, not assayed; Copper, 1.01% - \$2.42
 At 267 to 272 feet - 5 feet of Ore:- Gold, 0.07 ozs. - \$2.45; Silver, 0.45 ozs. - \$0.3
 Copper, 2.12% - \$5.09; Total \$7.86

Hole No. 3 - Length 347 feet - 460 foot level - At 112 to 120 ft. - 8 ft. of Ore:-
 Gold, 1.24 ozs. - \$43.40; Silver, 1.02 ozs. - \$0.72; Copper, 1.72% - \$4.23;
 Total \$48.35
 At 140 to 145 feet - 5 feet of ore:- Gold, 0.11 ozs. - \$3.85; Silver, 0.12 ozs.-\$0.09;
 Copper, 0.91%;-\$2.18; Total \$6.12
 At 160 to 170 feet - 10 feet of ore:- Gold, not assayed; Silver, not assayed;
 Copper, 1.51% - \$3.62.
 At 197 to 199 feet - 2 feet of Ore:- Gold, 0.13 ozs. - \$4.55; Silver, 0.12 ozs.-\$0.09;
 Copper, 1.32% - \$3.17; Total \$7.81.

At 199 to 209 feet - 10 feet of Ore:- Gold, 0.10 ozs. - \$3.00; Silver, 0.16 ozs. - \$0.11; Copper 1.01% - \$2.42; Total \$6.03.
 At 241 to 260 feet - 19 feet of Ore:- Gold, 0.09 ozs. - \$3.15; Silver, 0.17 ozs. - \$0.12; Copper 0.82% - \$1.97; Total \$5.24.
 At 350 to 361 feet - 11 feet of Ore:- Gold, 0.12 ozs. - \$4.20; Silver, 0.21 ozs. - \$0.15; Copper 0.71% - \$1.70; Total \$6.05.
 At 298 to 317 feet - 19 feet of Ore:- Gold, 0.13 ozs. - \$4.55; Silver, 0.26 ozs. - \$0.18; Copper, 1.01% - \$2.42; Total \$7.15.

Hole No. 4 - Length 217 feet - 460 foot level
 No data available on this hole, records apparently lost

Hole No. 5 - Length 220 feet - 460 foot level
 This hole cut through 35 feet of too soft a material which would not core, material was black and sooty like, possibly chalcocite.

Hole No. 6 - Length 120 feet - 250 foot level - At 90 to 97 feet - 7 feet of Ore:
 No samples assayed for gold and silver. Two samples assayed for copper only:-
 (1) Copper, 3.56% \$8.54 \$8.54
 (2) Copper, 6.09% 14.62 14.62

<u>RECAPITULATION</u> - No. 1 - Three ore bodies cut	No. 1A - Three Ore bodies Cut
(1) 20 feet wide	(1) 15 feet wide
(2) 9 feet wide	(2) 4 feet wide
(3) <u>29 feet wide</u>	(3) <u>5 feet wide</u>
58 Feet Total	24 Feet Total

No. 2 - Four ore bodies cut	No. 3 - Eight Ore bodies cut
(1) 8 feet wide	(1) 8 feet wide
(2) 9 feet wide	(2) 5 feet wide
(3) 5 feet wide	(3) 10 feet wide
(4) <u>5 feet wide</u>	(4) 2 feet wide
27 Feet Total	(5) 10 feet wide
	(6) 19 feet wide
	(7) <u>11 feet wide</u>
	(8) <u>19 feet wide</u>
	84 Feet Total

No. 1A	24 feet total
No. 1	58 feet total
No. 2	27 feet total
No. 3	<u>84 feet total</u>
	193 Grand Total

Length of Diamond Drill Holes	
No. 1	350 feet
No. 1A	204 feet
No. 2	303 feet
No. 3	347 feet
No. 4	217 feet
No. 5	<u>220 feet</u>
	1,641 Feet - All on 460 foot level
No. 1	<u>120 feet</u> - On 250 foot level
	1,761 Feet

PROPOSED DEVELOPMENT WORK: - Continue development work on 250 foot level and open up more ore on the cross-cut put in during the summer of 1940, follow diamond drill hole which shows high grade copper ore and develop this vein. Start stoping operations. Drift on all 7 diamond holes on the 460 foot level or a total of at least 1,000 feet. This will open up all of the mill ores as well as high grade ores, sufficiently to warrant the installation of a 200 ton per day

concentrator, as at least 16 working places will be opened up on the 250 and 460 foot levels.

Mixing high grade as well as lower grade ores, this should be productive of at least a 3% copper mill heads, plus an average of \$6.50 per ton in gold and silver, or a total mill head of \$13.70 per ton. (This figure is based upon mining the high-grade gold ore from Hole No. 3 - eight feet wide.)

From the above we therefore obtain the following metallurgical data:-

Assays:- Gold 0.17 ozs. per ton; Silver 0.70 ozs. per ton; Copper 3.00% per ton
 Recovery: 90% 90% 90%
 Metal Prices: \$32.50 per ounce .71 cents per ounce 12 cents per pound less 2.5¢ or 9.5¢ per pound

Ration of Concentration
Copper Concentrates 10 : 1

<u>Copper Concentrates</u>	<u>Dr.</u>	<u>Cr.</u>	<u>%</u>
Gold .17 x 90% x 10 x \$32.50		\$49.73	48.10
Silver .70 x 90% x 10 x 71¢ x 95%		4.25	4.12
Copper 3.00% x 90% x 20# x 10 less 20# x 9.5¢ (12.00 less 2.5¢)		<u>49.40</u>	<u>47.78</u>
Gross value per ton copper concentrates		\$103.38	100.00
Less: Freight to Clarkdale, Arizona	\$4.80		
Smelting Charges	<u>6.00</u>	<u>10.80</u>	<u>10.45</u>
Net Value per ton Copper Concentrates		\$92.58	89.55
Value per ton of Crude Ore		\$9.25	
(After all freight, smelter charges and metallurgical loss)			

<u>SUMMARY</u>	<u>Dr.</u>	<u>Cr.</u>	<u>%</u>
Net value per ton of Crude Ore		\$9.25	100.00
Less: Mining	\$2.00		
Milling	1.00		
General Overhead	<u>.50</u>	<u>3.50</u>	<u>37.84</u>
Net Profit Per Ton Crude Ore		\$5.75	62.16

On a basis of a 200 ton per day production and milling capacity and 360 operating days per year, the annual profit amounts to:- 200 x 360 x \$5.75 - \$414,000.00
 (72,000 tons per year)

Eliminating the high grade gold ore of Hole No. 3, which assayed 1.24 ozs. gold per ton or \$43.40 and taking the assay values of the diamond drill holes of the known samples, (further eliminating the inclusion of higher grade copper ores to sweeten the mill heads) in gold, silver and copper, the metallurgical data on the, therefore, known samples and assays, is as follows:-

Assays: Gold 0.11 ozs. per ton. Silver 0.42 ozs. per ton. Copper 1.65% per ton
 Recovery: 90% 90% 90%
 Metal Prices: \$32.50 per oz. .71 cents per oz. 12.0¢ per pound, less 2.5¢ or 9.5¢ per lb;

Ration of Concentration
Copper Concentrates 10 : 1

<u>Copper Concentrates</u>	<u>Dr.</u>	<u>Cr.</u>	<u>%</u>
Gold .11 ozs. x 90% x 10 x \$32.50		\$33.05	53.38
Silver .42 ozs. x 90% x 10 x 71¢ x 95%		2.55	4.11
Copper 1.65% x 20# x 90% x 10 less 20# x 9.5¢ (12.00 less 2.5¢)		26.32	42.51
Gross Value per ton of Copper Concentrates		\$61.92	100.00
Less: Freight to Clarkdale, Arizona	\$3.80		
Smelting Charges	6.00	9.80	15.83
Net Value per ton of Copper Concentrates		\$52.12	84.17
Value per ton of Crude Ore		\$ 5.21	
(After freight, smelter charges and metallurgical loss)			

<u>SUMMARY</u>	<u>Dr.</u>	<u>Cr.</u>	<u>%</u>
Net value per ton of crude ore		\$5.21	100.00
Less: Mining	\$2.00		
Milling	1.00		
General Overhead	.50	3.50	67.18
Net Profit Per Ton Crude Ore		\$1.71	32.82

On a basis of a 200 ton per day production and milling capacity and 360 operating days per year, the annual profit amounts to:- 200 x 360 x \$1.71 - \$123,120.00
(72,000 tons per year)

It is recommended that milling operations be started at a rate of 200 tons per day, the concentrator to be built in such a manner to allow the installation of additional milling equipment to progressively step up the milling rate as the mine operations increase the tonnages available for larger milling capacity.

That this will be an accomplished fact, one needs only to realize that the ore widths of the diamond drill holes amount to 193 feet total. There are 16 or more places available as soon as at least 1000 feet of drifting has been done and stoping operations fairly well advanced, and when this has been done the mine will deliver 500 tons per day and should eventually produce 1000 tons per day.

Such increase in ore production and milling capacity, will also reduce operating costs and increase profits.

Upon a milling rate of 500 tons per day, the total tonnage mined and milled for 360 days per year, would be 180,000 tons per year and at a profit of only \$1.71 per ton, taking only the average milling ore into consideration, and not including the higher grade ores which would also be developed, the annual profit on this basis amounts to \$307,800. If the higher grade ore can be maintained as presented by the first metallurgical data, upon a basis of 500 tons per day and an operating profit of \$5.75 per ton, the annual profit amounts to \$1,035,000.

MOUNTAIN COPPER CORPORATION:- Mountain Copper Corporation was organized and incorporated under the Laws of the State of Arizona, October, 1938, for the purpose of taking over the property then being operated by a partnership, under the name of Burke and Herzog, who in turn had taken over the property at one time belonging to the Rodlands Copper Company and local people within the state. The group was enlarged through the location of additional claims, all now vested in the name of the corporation. All claims are unpatented, and annual assessment work has been kept up to date.

Capital consists of 1,500,000 shares of common stock, par value of 50 cents per share, non-assessable, or total capital stock amounting to \$750,000. Of this amount 375,000 shares or \$187,500 are outstanding and the remainder of 1,125,000 shares or \$562,500 are in the treasury of the corporation for future use.

It is planned to use part of this un-issued treasury stock for the financing of a proposed development program and the installation of a concentrator of 200 tons per day capacity to bring the property to production, as sufficient ore bodies have been prospected by diamond drill holes and drifting, to warrant such development work and the installation of a concentrator, bringing electric power line to the property. While the property is primarily called a copper property, assays show, that better than 50% of the values are in gold.

Ajo, Arizona
May 12, 1941

MOUNTAIN COPPER CORPORATION

APPENDIX NO. 1

The following will show the yearly gross value production of gold, silver and copper at the rate of 200 and 500 tons per day respectively. This is based upon the first metallurgical data as presented on page No. 5.

200 tons per day, 360 days per year or 72,000 tons:

	<u>Gross Value</u>	<u>%</u>
12,240 ozs. Gold @ \$35.00 per oz.	\$428,400.00	43.60
50,400 ozs. Silver .71¢ per oz.	35,784.00	3.64
4,320,000 lbs. Copper 12.00¢ per lb.	518,400.00	52.76
Yearly Gross Value Production	\$982,584.00	100.00

500 tons per day, 360 days per year or 180,000 tons:

30,600 ozs. Gold @ \$35.00 per oz.	\$1,071,000.00	43.60
126,000 ozs. Silver .71¢ per oz.	89,460.00	3.64
10,800,000 lbs. Copper 12.00¢ per lb.	1,296,000.00	52.76
Yearly Gross Value Production	\$2,456,460.00	100.00

BASED UPON SECOND METALLURGICAL DATA AS PRESENTED ON PAGE NO. 6.

200 tons per day, 360 days per year or 72,000 tons:

	<u>Gross Value</u>	<u>%</u>
7,920 ozs. Gold @ \$35.00 per oz.	\$277,200.00	47.48
30,240 ozs. Silver .71¢ per oz.	21,470.40	3.68
2,376,000 lbs. Copper 12.00¢ per lb.	285,120.00	48.84
Yearly Gross Value Production	\$583,790.40	100.00

500 tons per day, 360 days per year or 180,000 tons:

19,800 ozs. Gold @ \$35.00 per oz.	\$693,000.00	47.48
75,600 ozs. Silver .71¢ per oz.	53,676.00	3.68
5,940,000 lbs. Copper 12.00¢ per lb.	712,800.00	48.84
Yearly Gross Value Production	\$1,459,476.00	100.00

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
MINE OWNERS REPORT

Date July 31, 1941

Mine Mountain Copper Corporation Location - 5 miles east of Mayer, Arizona
 Mining District & County - Agua Fria Mining Dist. Yavapai County
 Former Name - Minor Mine or Redlands Copper Company
 Owner - Mountain Copper Corporation Address - #209 Hotel Cornelia Ajo, Arizona
 Operator - Same Address - Same
 President, Owning Co. - M. Robert Herzog President, Operating Co. - Same
 Gen. Mgr. - Same Principal Minerals - Copper, gold and silver
 Mine Supt. - None at present Production Rate - None at present
 Mill Supt. " " Mill: Type & Cap. None
 Men Employed - From one to five at various times. Power: Amt. & Type - Gasoline engines for compressor, 70 HP and 50 HP for hoist.
 Operations: Present - None, except assessment work.

Operations: Planned - To raise money sufficiently to put property to production, installation of proper pumping equipment, bringing power line to property to discard gas engines, drift at least 1000 feet to open up ore bodies of both milling and smelting ores, indicated by diamond drilling, and after sufficient tonnage blocked out, construct concentrator, etc. No mining camp planned however, as all workmen can live at Mayer, Arizona, only five miles distance.

Number Claims, Title, etc. - 13 claims, all unpatented Lode locations, title vested in corporation.

Description: Topography & Geography - Claims lie on the northeastern slope of Copper Mountain, drainage toward Agua Fria River, through several minor but deeply cut gulches. Barren of all vegetation, except some cedars. Elevation 4200 ft. at shaft with a drop of 3800 to the river, distance of one-half mile.

For further description of property see copy of report.

Mine Workings: Amt. & Condition - Same as above.

Geology & Mineralization - Please see ~~attached~~ report.

Ore: Positive & Probable, Ore Dumps, Tailings - Recent development on the 259 level under winze on 109 level indicates fairly positive ore of around 10,000 tons.

For probable ore possibilities, read data on diamond ~~drilling~~ in attached report.

Dimensions and Value of Ore body - Positive ore between 259 and 109 level, we figure should contain around \$150,000 worth of ore. Probable ore impossible to estimate at this time until sufficient development work has been done to block out ore indicated by diamond drills.

Mine, Mill Equipment & Flow Sheet - See attached report.

Road Conditions, Route - Road from Prescott to Mayer is well kept State Highway, from Mayer to property is at present little traveled road and has not generally been maintained, though the grades are generally not heavy and maintenance no particular problem.

Water Supply - Mine makes approximately 14,000 gallons of water per day. With deeper development work, look for increased water. Agua Fria river one half mile distance, would furnish water for large milling operations. Springs close by furnish water for domestic use.

Brief History - See attached report.

Special Problems, Reports Filed - Report recently filed to go with this report.

Remarks

If property for sale: Price, terms and address to negotiate - More interested in financing on equitable terms, not so much interested in selling, as it is impossible to set a fixed figure upon the property at this time. Might consider leasing or selling, terms and price to be worked out.

SIGNED - Mountain Copper Corporation
M. Robert Herzog, President

MOUNTAIN COPPER CORPORATION HOLDINGS

IN THE AGUA FRIA MINING DISTRICT, YAVAPAI COUNTY, ARIZONA

FOREWORD—The writer was engaged by M. Robert Herzog of Ajo, Arizona, to investigate and report on the holdings of the MOUNTAIN COPPER CORPORATION, a group of claims formerly operated by the ARIZONA REDLANDS COPPER COMPANY of REDLANDS, CALIFORNIA, and which, due to the vagaries of the copper market, ceased operations in 1929.

With information gathered from various sources as well as several days spent visiting the surroundings as well as the immediate property, there seems no reason to believe that this property has been fully explored and that it does not still have a certain amount of speculative value, particularly now in what appears to be a rising copper market.

LOCATION—The property to the MOUNTAIN COPPER CORPORATION lies in the AGUA FRIA MINING DISTRICT, Yavapai County, Arizona, more particularly in the Eastern part of the unsurveyed Township 12 North, Range 2 East, G. & S. R. B. & M., 35 miles by road in a Southeasterly direction from PRESCOTT, largest immediate source of supplies.

MAYER, the nearest bulk shipping point, a station on the Prescott and Eastern Branch of the Santa Fe R. R., lies approximately 5 miles west and affords daily mail service and telephone connections.

HISTORY—During the Survey of the Bradshaw Mountains Quadrangle by T. A. Jagger Jr. and C. Palache, in 1901, the only property mentioned as operating in this vicinity was the STODDARD MINE. This was even then reported to be one of the oldest copper locations in the Eastern part of Yavapai County. High grade ore was reported having been shipped from the surface. No particular progress was made for some years, or until the Railroad and Smelter was built some time later, but by 1919, after a reported production of \$1,000,000, it was presumably exhausted.

The Arizona Binghamton Mine, adjoining the Stoddard to the North, proved still a larger property, having the then Humbolt Smelter and improved metallurgical facilities to its advantage. Its production amounted to over \$1,500,000.

Stimulated by the success of these properties and the economic conditions of the times, with the facilities then at their command, several other properties adjoining were exploited. Among these was the property now held by the MOUNTAIN COPPER CORPORATION, then known as the Arizona Redlands Copper Company of Redlands, California. Work was started some time in 1923 and continued with short periods of shutdown until some time in 1929, when the bottom fell out of the Copper Market.

GENERAL GEOLOGY—In Folio 126, 'Bradshaw Mountains Quadrangle, Arizona', by Jagger and Palache, they speak of the broad belt of Yavapai Schists extending from the Blue Bell Mine on the South, through Copper Mountain, to Jerome on the North. These schists comprise phyllites, silvery sericite schists, quartz or quartz porphyry schists and chloritic schists, with boldly outcropping quartzite ledges.

At the point mentioned the schists are impregnated by copper ores and have been more or less prospected. The continuity and lineal character of this belt of schists, and the similarity of the copper deposits at intervals along it, indicate a widespread uniformity of conditions as existing here and point to a probability of a more or less copper bearing zone.

A type of vein or veins consists of impregnations or

or amphibolite, forming bodies of irregular outline. Small stringer veins carrying the same minerals are also present in places, but the formation as a whole appears to be a replacement. The surface zones of such deposits are siliceous schists pitted and copper stained with films of native copper and sometimes of cuprite, together with the minerals chrysocolla and the carbonates. Small precious metal values are also found in these deposits.

The geology above stated is generally applicable to the immediate property; here however, there being a preponderance of schistose quartz porphyry wherein are several fissure types of veins, recognizable as such by the brecciated condition of the vein, recemented by quartz and sulphides, sufficiently wide to be seen and inspected.

These veins lie along a more or less sheared zone believed to be and apparently indicated as the Southern extension of the zone passing through the Stoddard and Binghamton Mines.

ORE MINERALS—It is apparent that the early miners worked only the rich surface oxide ores consisting of the carbonates and perhaps local and small bodies of the cuprite. The deeper minerals are mostly chalcocite, with, near the water level, chalcocite enrichment.

CLAIMS OF THE MOUNTAIN COPPER CORPORATION—The group of claims held by the Corporation consist of the following unpatented Lode Locations, of record in the Recorder's Office of Yavapai County.

Name	Original Book & Page	Amended Book & Page
COPPER GLANCE	123-10	130-4
ARIZONA MINOR	130-3	
REDLANDS	127-131	132-594
REDLANDS 1	127-132	
REDLANDS 2	127-133	
BURZOG	146-49	
BURZOG 1	-50	
BURZOG 2	-51	
BURZOG 3	-52	

Not included in the immediate group are the following:

ARTH	128-434	137-105
SHANNON	128-433	130-106

TOPOGRAPHY—The claims lie on the Northeastern slope of the prominent Copper Mountain, drainage being Eastward to the Agua Fria River through minor but deeply cut gulches, barren of all vegetation. The elevation is approximately 4200 feet above sea level with a drop to an elevation of 3800 feet to the river in a distance of one-half mile.

SURFACE SHOWINGS—It is quite apparent that the original locators recognized a definite sheared zone on which the claims were located. The most intensively mineralized area seems to be confined particularly to the now BURZOG claim. Across this, striking approximately North 10 degrees west, separated by approximately 75 feet, are two fault fractures. They appear to dip in opposite directions, the Easterly slightly to the east and the Westerly slightly Westward. While those fractures are more or less obscured, they are noticeably continuous over a long distance. These are premineral faults and constitute the veins along which operations have taken place.

Where the shaft is now sunk and a tunnel driven there still remains, in spite of the dumps, evidence to indicate a more intensely mineralized area than anywhere to be seen now on the property. The development work has only investigated the Eastern fracture, only a small shaft having been sunk on the Western fracture.

DEVELOPMENT—Information supplied by A. T. ... **THE GROUP**—Information supplied by A. T. ... formerly of the Arizona Redlands Copper Corporation.

A tunnel, 185 feet long, a short distance below the surface, now the 25 level of the shaft driven along the vein striking North 10 degrees West; a shaft, all timbered, of one and one-half compartments, size 5 x 7 feet, 465 feet deep; from this shaft at 109 feet is a short cross cut to the vein along which a drift extends 150 feet Northward and 15 feet Southerly; at 125 feet Northerly from the shaft a stope has been carried down approximately 55 feet and about 40 feet in length with an average width of 2 feet; at 250 feet in depth is the third level reported extending 150 feet Northerly; at three hundred and fifty feet, the fourth level, reported to be driven 108 feet Northerly; the fifth level at 460 feet reported to be driven 188 feet in a Northeasterly direction along a fault. The bottom of the shaft is reported to be in a marketable grade of ore. Practically no water is said to be made at this depth, although it is at the estimated river level.

A series of Diamond Drill holes, amounting to 1000 feet of drilling is reported to have been made from various places and directions on the 460 level. These holes more or less prospected each side of the main or Eastern vein. Copy is submitted herewith showing the results obtained.

Hole No. 1 was directed north 75 deg. east and was drilled to a depth of 350 feet horizontally. At 235 feet, they cut eight feet of gold, copper ore with a total value of \$2.64 per ton. At 270 feet, they cut five feet of gold, silver, copper ore, total value \$4.59. At 295 feet, they cut twenty feet of gold, silver, copper ore, total value of \$6.75. Last fifty feet was drilled in highly mineralized low grade ore.

Hole No. 2 was pointed North 62 deg. east and was drilled 303 feet horizontally. At 94 to 99 feet they cut 5 feet of copper ore, a portion of which was very high grade. At 136 to 145 ft. they cut 9 feet of low grade copper and gold ore. At 152 feet, they cut an additional 5 feet of gold, silver and copper ore which assayed \$2.82. At 210 feet, they cut four inches of high grade copper. At 252 feet, they cut five feet of gold, silver and copper ore, value \$7.88 per ton. At 267 feet they cut 5 feet of ore which assayed gold .07 oz., silver .45 ozs., copper 2.12%. Hole ended in highly mineralized copper ore.

Hole No. 3 was directed North 75 deg. west and was drilled to a depth of 347 feet horizontally. At 100 feet, they cut 30 feet of gold, silver and copper ore, which assayed 1.24 ozs. gold, 1.02 ozs. silver and 1.72% copper, (total value \$50.20 per ton, gold figured at the new price, namely \$35. per oz.) At 132 feet they cut 20 feet gold, silver and copper ore, value \$4.81. At 156 feet they cut 10 ft. gold, silver and copper ore, value \$4.22. At 180 ft. cut 5 ft. of gold, silver and copper ore, value \$6.36. At 199 ft. they cut 9 ft. of gold, copper ore, value \$4.91. At 241 ft. cut 19 ft. of ore, value \$5.18. At 287 ft. cut 10 ft. gold, silver, copper ore, value \$4.50. At 298 ft. cut 10 ft. gold, copper ore, value \$5.32. At 308 ft. cut highly stratified ground, dike matter and heavy flow of water, which drained out.

Hole No. 4 was drilled to a depth of 220 feet, west. The records of this hole are somewhat obscure, but the report of the diamond driller states they cut a large body of high grade gold, silver and copper ore, which assayed \$28.12 per ton in gold at the old price or \$49.21 at the new price.

PRODUCTION—While it is believed a certain amount of ore has been shipped by the Arizona Redlands Company, this is apparently not a matter of record.

Burke and Herzog, during their short period of operation, verified by settlement sheets submitted, shipped 239,359 dry tons of approximately 14% copper ore to the Phelps Dodge Corporation at Clarkdale, Arizona, and the Magma Copper Co. at Superior, Arizona. This ore returned a net of \$3,820.44 in a copper market of an average of 10.2145 cents per pound. The net returns per ton of c

ing open on the 109 level and in which indications are that more could be mined if the level below were accessible. This stope, and after having been overlooked by the previous operators, measures approximately 40 ft. in length by 55 ft. in depth. Some indication of an upward extension of this ore shoot can be said to exist.

EQUIPMENT—Though not the latest type of equipment, the machinery is apparently in good working condition and consists of the following major pieces:

CHARTERS, single cylinder, heavy duty, 70 horse power gas engine, direct connected to—

INGERSOLL RAND, Imperial type, two stage, compressor of 350 feet air capacity.

WESTERN, heavy duty, single cylinder, 35 horse power gas engine direct connected to Hoist and capable of 1000 feet of service.

15 horse power WAUKESHAW Gasoline Engine belt connected to—

DORWARD Double-acting Pump of 50 gallons per minute capacity. 30 foot HEADFRAME equipped with necessary accessories and fitted with cage.

Miscellaneous Mining Equipment now in storage at Mayer, in good condition.

CAMP BUILDINGS—The camp consists essentially of four frame buildings.

One Mess building 20 x 50 feet.

One Bunk House 20 x 40 feet

One dwelling

One Office Building

Domestic water tank.

Engine and Hoist Building of corrugated iron.

Blacksmith Shop and Change Room, 20 x 40 feet.

WATER—Water for domestic purposes is available by piping from a spring within a half mile.

Water for operating purposes on other than a small scale would have to be pumped from the Agua Fria River a distance of a half mile and with a lift of perhaps 400 feet.

ELECTRIC POWER—Within a mile and a half of the property is a major transmission line of the Arizona Power Corporation, which when required can be extended to the property at an estimated cost of \$3,500.00.

ESTIMATED WORTH OF PRESENT DEVELOPMENT AND PLANT—

The SHAFT 5 x 7 feet, one and one-half compartments, timbered with 8 x 8 Oregon Pine, lagged and laddered can be estimated to have cost \$75.00 per foot.

Total Cost of the 465 feet\$34,875.00

Drifting an estimated 800 feet can be assumed as having

cost \$10.00 per foot, a total of \$8,000.00

Diamond Drilling, 1000 feet at an estimated cost of \$3.00 per

foot, a total of \$3,000.00

Plant in its present condition installed can be estimated as

being worth approximately \$15,000.00

Buildings, as is, estimated as \$2,000.00

A duplication of the plant and development work would

represent a total of \$62,875.00

DISCUSSION OF THE REPORTED DEVELOPMENT WORK—Apparently the most encouraging work was done by the last operators, they having located an oreshoot overlooked by the former operators. This has indications of both a downward and upward extension.

The Diamond Drill Holes indicates possibility of developing a body of milling and shipping grade ore.

INFORMATION RELATIVE TO HAULING, FREIGHT AND SMELTER

RATES—Hauling Rates from the mine to Mayer, a distance of 5 miles can be done for \$1.25 per ton to as low as \$0.50 per ton, depending on the size of the contract.

Freight Rate, Mayer to Clarkdale, Arizona, base rate, \$2.20 per ton.

Freight Rate, Mayer to Superior, Arizona, base rate \$3.50 per ton.

Smelter Schedule is the same for all Copper Smelters to which ores or concentrates can be shipped and are a base rate of \$3.50 per ton for values up to \$15.00 per ton plus a ten per cent (10%) additional of metals paid for in excess of \$15.00 per ton. Maximum Smelter Rate of \$6.00 per ton.

SUMMARY—My examination of the property held by the MOUNTAIN COPPER CORPORATION shows a group of nine contiguous claims and two isolated.

Geologically no different in general aspect from that of the immediate and past productive properties.

A shaft, reported to be 465 feet in depth, with levels at 25, 109, 250, 350, and 460 feet respectively from its collar driven not over 200 feet each Northerly along a vein, entailing approximately 800 feet of drifts.

1000 feet of diamond drilling of four holes, varying in length from 200 to 550 feet, driven horizontally and across the shearing, intersected certain mineralized areas.

A production of 239,359 tons of ore of a net smelter value of \$3,829.44 from a recently discovered ore body overlooked by former operators.

Climate and physical conditions for all year operations are excellent. (Signed)

Arizona Department of Mineral Resources, Capitol Building, Phoenix, Arizona

QUESTIONNAIRE

Relating to survey of potential copper production from Arizona small and marginal mines for national defense purposes;

Name of mining property. Mountain Copper Corporation

Location. 5 miles East of Mayer, Arizona

Ownership. Mountain Copper Corporation

Name of Manager. M. R. Herzog, President

Post Office address. #209 Hotel Cornelia, Ajo, Arizona

Copper production (pounds) during each of the past five years:

1936 none 1937 81,000 # 1938 none

1939 none 1940 5,000 #

1941 rate of copper production based upon first four months. none

How much copper could this property produce annually

on a 14 cent price? 2,500,000

on a 16 cent price? 3,000,000

on an 18 cent price? 4,000,000

on a 20 cent price? 6,000,000

What price copper is necessary for this property? 15 cents

What plant facilities would be required and how much is the estimated cost in the event a 14 cent price could be assured? Electric Power, Line, Cost \$2,500.00, electric pump, cost \$1,500.00 misc. equipment, \$5,000.00 working capital \$20,000. Total Appr. \$25,000.00

This is to mine high grade shipping ore only, running from 10% to 15% average per carload a 16 cent price could be assured? To mine the vast bodies of mill ores, average

metal content .011 ozs. gold, .042 ozs. Silver and 1.65% copper would require concentrator Sufficient ore proven by diamond drilling to run 200 ton per day concentrator. Cost probably \$50,000.00 Same

100,000

20 cent price? Same

For what length of time would assurance of price and sale of full production be necessary? Two years

How long would it take, after financing has been provided for, before production on the above basis could be reached? Just taking out high grade shipping ore only, would require 3 months. if concentrator provided would require six months

Does your organization have the facilities for raising the necessary capital to increase production to the amount stated?No, we are trying to raise money privately

If not, do you believe that your company would be amenable and agreeable to government financing?Yes.....

Do you believe that you could finance the capital investment yourself on some such basis as a guarantee of sale of output at a fixed price and for a definite period, with damages to cover unamortized portion of capital investment in the event the government failed to take the output for the agreed upon time - or some similar arrangement? ..Possibly.....

Please let us have your comments on the probability or possibility of your organization participating in such a program for national defense purposes..More than... willing.....

What would be your ideas on financing and carrying out such a plan as is indicated by these questions? Government appraise production possibilities and upon ^{that} basis... furnish adequate capital to put mine to production and take a 15% net smelter royalty as a repayment of the loan, until paid for, without taking a mortgage upon the property.....

Kindly list names and addresses of other potential copper producers in Arizona whose operations should be included within this survey.....

Mountain Copper Corporation

President

Date. May 19th, 1941.....

Signed.....

ORE RESERVES

Positive ore:
Probable ore:

Tons

Copper %

Copper, lbs.

100,000 100 3,000,000

Insert

Year	Tons	Fe, %	<u>PAST PRODUCTION INDEX</u>		Cu, %	Cu, lbs
			Ag, OZS	Au, OZS		
1937	—	—	—	—	—	81,000

Notation on cards:

1937 - Magma 32.7 tons, 9,613.7 lbs.

<u>PRODUCTION POSSIBILITIES</u>				
14%	16%	18%	20%	
<i>2,500,000</i>	<i>3,000,000</i>	<i>4,000,000</i>	<i>6,000,000</i>	

<u>CAPITAL INVESTMENT REQUIRED</u>				
14%	16%	18%	20%	
<i>on shipping basic in \$25,000</i>	—	—	—	
<i>200 ton mill \$100,000</i>	—	—	—	

<u>TIME REQUIRED TO START PRODUCTION</u>				
14%	16%	18%	20%	
<i>3 months, if mine had been opened up.</i>	—	—	—	
<i>8 " " " 200-ton mill plant.</i>	—	—	—	

Mountain Copper Co. ration *(Insert.)*

Recent development work on the 259 level indicated that the ore comes down from the 109 level, or 150 feet deeper. Driving another 100 feet on the 259 level, this should open up between 10,000 to 15,000 tons of shipping ores.

Diamond drilling on the 460 level and one hole on the 259 level cut at least 16 places of ores, some of high grade shipping grade, but mostly of milling grade. Average width from 5 to 19 feet wide. Average shipping ore will go around 10 to 15 per cent. The average grade of the mill ores will run as follows: Gold 0.11 ounces per ton, silver 0.42 ounces per ton, copper 1.65 per cent per ton.

May 27, 1941

Mr. M. R. Herzog, President
No. 209 Hotel Cornelia
Ajo, Arizona

Dear Mr. Herzog:

Many thanks for filling out the second questionnaire. This gives us exactly the data that we want. I appreciate your prompt response.

The way this survey is lining up we feel sure that we are going to be able to present a very comprehensive picture to the federal authorities as to the possibilities of copper production from small mines.

Thanking you again, and with kindest personal regards,
I am

Yours very truly,

Chairman, Board of Governors
Arizona Department of Mineral Resources

CFW:LF
Enc.

MINER

October 9th, 1942

BIG BUG

A. C. Nebeker

Production Possibilities

The Miner Mine is a group of claims located 5 miles East of Mayer, Arizona.

This property has just been started up and managed by Mr. P. Peery.

They are working now in the main working vertical shaft on the 100 foot level and taking out some copper ore. The vein approximately 2½ feet thick being worked.

Mr. Peery was not at the property when I was there, so this information is from my own observations and what I could get out of the men working there.

There are five Mexicans working and they have an ore bin full of ore now, and I am informed that they expect to ship a car to two cars per week now.

The property is equipped with a two stage I. R. Compressor driven by a 100 H.P. oil burning engine, a hoist with cable good for several hundred feet driven by gas or oil engine, a portable compressor, tigger hoist, blacksmith shop, power house, stoppers, jackhammers, steel cars, and bunkhouse.

The road to the property is up and down, crooked, but good.

Under the present stage of development it is hard to say just what tonnage may be produced.

Signed: A. C. Nebeker

Mt. Copper

DEPARTMENT OF MINERAL RESOURCES

REPORT TO OPA ON ACTIVE MINING PROJECT

DEPT. MINERAL RESOURCES RECEIVED DEC 20 1944 PHOENIX ARIZONA

CH 12

Date Dec 19 1944 Name of Mine Copper Mt. Owner or Operator Mine Co. Address Mayer Mine Location East of Mayer

Filing Information File System File No. This chart to be used for gallons of gasoline required per month.

PRESENT OPERATIONS: (check X)

Production [checked]; Development; Financing; Sale of mine; Experimental (sampling); Owner's occasional trip; Other (specify)

PRODUCTION: Past and Future.

Tons

Approx. tons last 3 months; Approx. present rate per 3 months; Anticipated rate next 3 months; If in distant future check (X) here

EQUIPMENT OPERATED:

Table with 4 columns: Type, Quantity or Horse Power, Miles or Hours Per Month, Gallons Required Per Month. Includes rows for Personal Cars, Light or Service Trucks, Ore Hauling Trucks, Compressors, and Other Mine or Mill Eqpt. with handwritten entries.

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals.

Copper ores

REMARKS:

Gas required for copper for some time... [Handwritten notes]

ARIZONA DEPARTMENT OF MINERAL RESOURCES

By [Signature]

John Key D of M R

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
MINE OWNER'S REPORT

Date July 31st., 1941

1. Mine Mountain Copper Corporation
2. Location 5 miles east of Mayer, Arizona
3. Mining District & County Aqua Fria Mining District, Yavapai County
4. Former name Minor Mine or Redlands Copper Company
5. Owner Mountain Copper Corporation
6. Address (Owner) #209 Hotel Cornelia, Ajo, Arizona
7. Operator Same
8. Address (Operator) Same
9. President, Owing Co. M. Robt. Herzog,
- 9A. President, Operating Co. Same
10. Gen. Mgr. Same
14. Principal Minerals ~~Gold~~, copper & silver
11. Mine Supt. None at present
15. Production Rate None at present
12. Mill Supt. ditto
16. Mill: Type & Cap. None
13. Men Employed From one to five at various time
17. Power: Amt. & Type Gasoline engines for compressor, 70 HP and 50 HP for hoist
18. Operations: Present None, except assessment work

19. Operations: Planned To raise money sufficiently to put property to production, installation of proper pumping equipment, bringing power line to property to discard gas engines, drift at least 1000 feet to open up ore bodies of both milling and smelting ores, indicated by diamond drilling, and after sufficient tonnage blocked out, construct concentrator, etc. No mining camp planned however, as all workmen can live at Mayer, Arizona, only five miles distant.
20. Number Claims, Title, etc.

Thirteen claims, all unpatented Lode Locations, title vested in corporation.

21. Description: Topography & Geography Claims ly on the Northeastern slop of Copper Mountain, drainage toward Agua Fria River, through several minor but deeply cut gulches. barren of all vegetation, except some cedars. Elevation 4200 at shaft with a drop to 3800 to the river, distance of one half mile.

For further description of property see copy of report redently sent you.

22. Mine Workings: Amt. & Condition

Same as above.

23. Geology & Mineralization Please see page two and three of report recently sent to you.
24. Ore: Positive & Probable, Ore Dumps, Tailings Recent development on the 259 level under winze on 109 level indicates fairly positive ore of around 10,000 tons.
For probably ore possibilities, read data on diamond drilling, pages, 5, 6, 7, 8. of recent report sent you.
- 24A. Dimensions and Value of Ore body Positive ore between 259 and 109 level, we figure should contain around \$150,000 worth of ore.
Probable ore impossible to estimate at this time until sufficient development work has been done to block out ore indicated by diamond drills.
25. Mine, Mill Equipment & Flow-Sheet See page 4 and 5 of recent report sent you.
26. Road Conditions, Route Road from Prescott to Mayer, is well kept State Highway, from Mayer to the property is at present little traveled road and has not generally been maintained, though the grades are generally not heavy and maintenance no particular problem.
27. Water Supply Mine makes approximately 14,000 gallons of water per day. With deeper development work, look for increased water. Agua Fria river one half mile distant, would furnish water for large milling operations. Springs close by, furnish water for domestic use.
28. Brief History See page 11 of recent report.
29. Special Problems, Reports Filed Report recently filed to go with this report.
30. Remarks
31. If property for sale: Price, terms and address to negotiate. More interested in financing upon equitable terms, not so much interested in selling, as it is impossible to set a fixed figure upon the property at this time. Might consider leasing or selling, terms and price to be worked out.
Mountain Copper Corporation
32. Signature.....
M. Robt. Herzog, President
33. Use additional sheets if necessary.

M. R. HERZOG

Correspondence relative to Mountain Copper Mine

in WHEELER INSULATED WIRE CORP. FILE

DEPARTMENT OF MINERAL RESOURCES

REPORT TO OPA ON ACTIVE MINING PROJECT

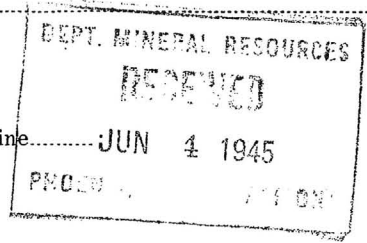
Date Apr 17 - 1945
 Name of Mine Gold King Mine
 Owner or Operator Harry King
 Address Ray, Utah
 Mine Location 4 mi East of Ray

Filing Information

File System.....
 File No.....
 This chart to be used for gallons of gasoline required per month.

PRESENT OPERATIONS: (check X)

Production ; Development ; Financing.....; Sale of mine.....
 Experimental (sampling).....; Owner's occasional trip.....;
 Other (specify).....



PRODUCTION: Past and Future.

Tons

Approx. tons last 3 months
 Approx. present rate per 3 months
 Anticipated rate next 3 months
 If in distant future check (X) here

EQUIPMENT OPERATED:

Type	Quantity or Horse Power	Miles or Hours Per Month	Gallons Required Per Month
Personal Cars
Light or Service Trucks
Ore Hauling Trucks
Compressors	<u>150</u>	<u>1320</u>
Other Mine or Mill Eqpt.

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals.

Copper

REMARKS:

Gold King Mine, Ray, Utah
Producing copper

By Harry King

100

11121

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Date November 27th., 1939

Mine Mountain Copper Corporation

District Agua Fria Mining District

Former name Minor Mine

Owner M. R. Herzog,

Operator Same

President M. R. Herzog

Mine Supt.

Principal Metals Copper, Gold and Silver

Production Rate None at present, when working
five to seven tons per day

Power: Amt. & Type Gasoline Engines, two, 70 and 50 HP

Operations: Present None

Location Yavapai County, Mayer, Arizona

Address #209 Hotel Cornelia, Ajo, Arizona

Address Same

Gen. Mgr.

Mill Supt.

Men Employed None at present, when working
four or five

Mill: Type & Cap. None

Operations Planned Continue sinking winze below 109 level, stop ore above 109 level,
unwater to 465 level and drift 150 feet to indicated orebody.

Number Claims, Title, etc. 13, unpatented.

Description: Topog. & Geog. See Carl G. Barth's report

Mine Workings: Amt. & Condition See Carl G. Barth's report

(over)

Geology & Mineralization See Carl G. Barth's report

Ore: Positive & Probable, Ore Dumps, Tailings See Carl G. Barth's report

Mine, Mill Equipment & Flow Sheet See Carl G. Barth's report for mine equipment, no mill equipment on hand

Road Conditions, Route Five miles from Mayer, Arizona, railroad shipping point, road in fair condition, but needs to be improved

Water Supply Mine makes about 14,000 gal. per day

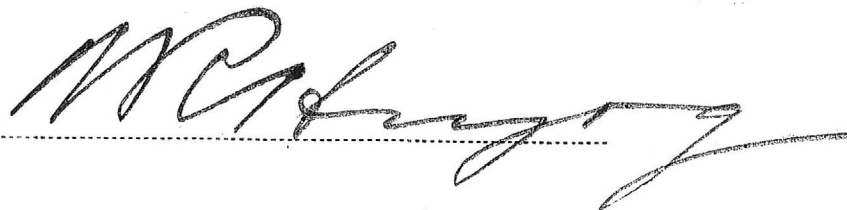
Brief History See Carl G. Barth's report

Special Problems, Reports Filed

Remarks Original report by Carl G. Barth can be obtained.

If property for sale: Price, terms and address to negotiate. More interested in obtaining working capital to develop further, but sale might be arranged. Negotiate with M. R. Herzog

Signed.....



Use additional sheets if necessary.

January 6, 1943

Executive in Chief
Federal Internal Revenue Office
Post Office Building
Phoenix, Arizona

Dear Sir:

Mr. Pierre Perry, operating the Mountain Copper Corporation, has forwarded a copy of his letter of January 4 addressed to you and has asked me to comment on his problem.

Mr. Perry has submitted an application for a Preliminary Development Loan from the Reconstruction Finance Corporation. This application has been recommended by this Department and I am also informed that the Reconstruction Finance Corporation office here in Phoenix will also approve of the recommendation and submit it to Washington.

If there is any way in which leniency can be shown to Mr. Perry of the Mountain Copper Corporation for getting the accumulated Stamp Taxes on the corporation, I am quite sure such leniency would be of value to the present war effort in trying to speed up the production of metals.

I personally have known of the Mountain Copper Corporation and of the property and the difficulties which they have encountered. I feel sure Mr. Perry will get results provided he is given a good chance to get on a profitable basis.

Your assistance will be greatly appreciated.

Very truly yours,

J. S. Coupal, Director

JSC:kk

cc - Mr. Pierre Perry
Mountain Copper Corporation
P. O. Box 182
Mayer, Arizona

more than 30¢

July 19, 1943

Mr. Pierre Perry
Mountain Copper Corp.
P. O. Box 182
Mayar, Arizona

Dear Mr. Perry:

Many thanks for your letter of July 17th and
for the information regarding your progress.

I will be glad to know that you got the 30¢
per pound on copper, and whereas it is higher
than any I have heard of, you may be fortunate
enough to get it. If not, I hope you get a
sufficient price to show a profit on your
operations.

With best wishes and kindest personal regards.

Very truly yours

J. S. Coupal, Director

JSC:ach

Mountain Copper Corporation

P. O. BOX 182
MAYER, ARIZONA

July 17-43

DEPT. MINERAL RESOURCES
RECEIVED
JUL 19 1943
PHOENIX, ARIZONA

Dear Mr. Coupal

I started shipping again to Clarkdale -
40 tons yesterday, the ore from the stope
at the 250 level -

I am waiting for a definite commitment from
"Strohbel", who answer my long telegram
telling me that I have a new quota since
June 1-43 - but that I will have to wait
several days - to know how much will
be. I asked for 30 cent a pound -

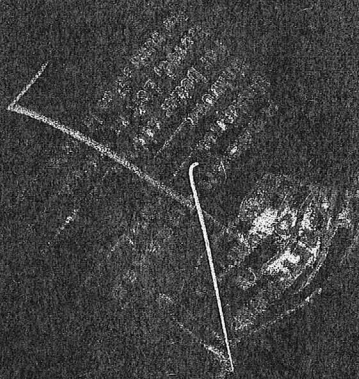
I will let you know -
the Bureau of Mines Mr. Phelps and grand than
who spent 4 days taking samples and mapping
the mine sent their report... 6,540 tons of
ore blocked out from 250 level to 25 level
on one vein - the other vein I open well

yield several more thousands to tone...
Mr Maitland gave me hope for an
additional ~~Premium~~ loan as soon as
I have a definite answer for an addi-
tional Premium which should be soon
I will contact you in Phoenix very
soon — for Mr Willis' request.
and thanking you again for your
good work and interest

Very truly yours

Perry Perry

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
304 HOME BUILDERS BUILDING
PHOENIX, ARIZONA



*Try Pierre Perry
mayors*

WJF

Mountain Copper Corp.
~~Hotel Granada~~
400 ARIZ.



Mountain Copper Corporation

P. O. BOX 182
MAYER, ARIZONA

July 17-43



Dear Mr Coupal

I started shipping again to Clarkdale
40 tons yesterday, the ore from the stope
at the 250 level -
I am waiting for a definite commitment from
"Strobel", who answered my long telegram
telling me that I have a new quota since
June 1-43 - but that I will have to wait
several days - to know how much will
be. I asked for 30 cent a pound -
I will let you know -
The Bureau of Mines Mr Phelps and grandtham
who spent 4 days taking samples and mapping
the mine sent their report: 6.540 tons of
ore blocked out from 250 level to 25 level
on one vein - the other vein I open well

sample number	Width	Location	Character	percent Copper
904	0.7'	North end stope	schist & quartz	5.67
905	1.0	South end stope	silicified schist	4.49
906	1.2	Foot wall	" "	7.16
907	1.3	Hanging wall	" "	5.45
908	1.3	Foot wall	" "	3.03
909	1.6	North end stope	" "	9.04
910	1.0	Foot wall	schist & quartz	1.40
911	2.8	Face	silicified schist	0.50
912	1.2	Foot wall	oxidized schist	2.10
913	0.4	" "	" "	5.42
914	0.8	Back	silicified "	1.25
915	2.3	"	oxidized "	1.74
916	2.6	Face	" "	0.52
917	2.9	Back	schist	1.19
918	2.3	"	"	1.15
919	3.5	"	"	0.72
920	2.8	"	" & quartz	0.38
921	3.5	"	silicified schist	4.37
922	2.5	Stope	quartz	15.41
923	1.0	Face	schist & quartz	3.45
924	1.5	Back	oxidized schist	3.45
925	3.6	"	" "	0.40
926	2.4	Face	" "	0.88

COMPOSITE SAMPLES				
Numbers	Average Width	Percent Copper	Ounces Gold	Ounces Silver
904-916	1.4'	3.10	.045	.50
917-923	2.6	3.62	.040	.20
924-926	2.5	1.16	.050	.15

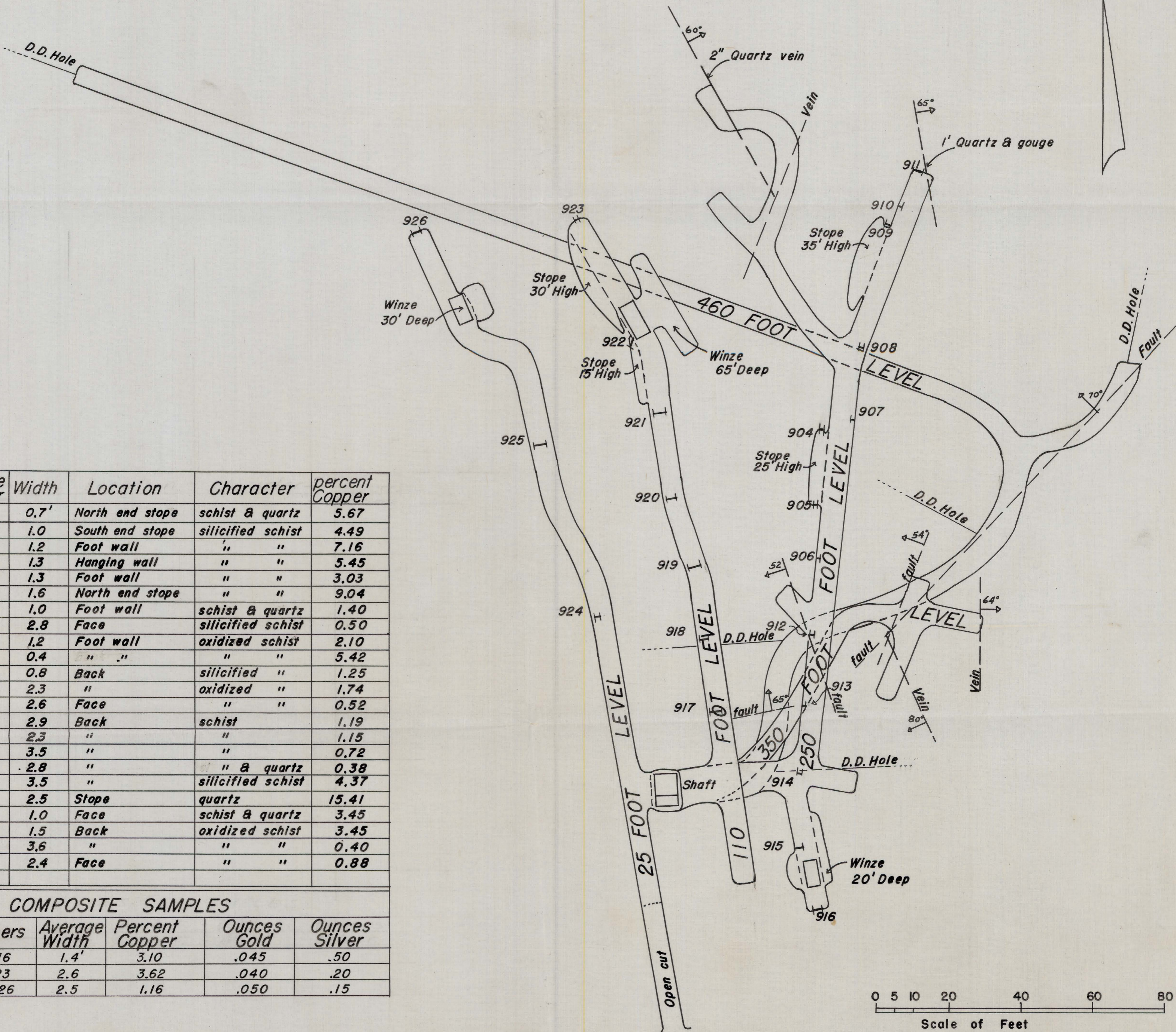


FIG. 1 - ASSAY MAP AND PLAN OF THE MOUNTAIN COPPER MINE, YAVAPAI COUNTY, ARIZONA

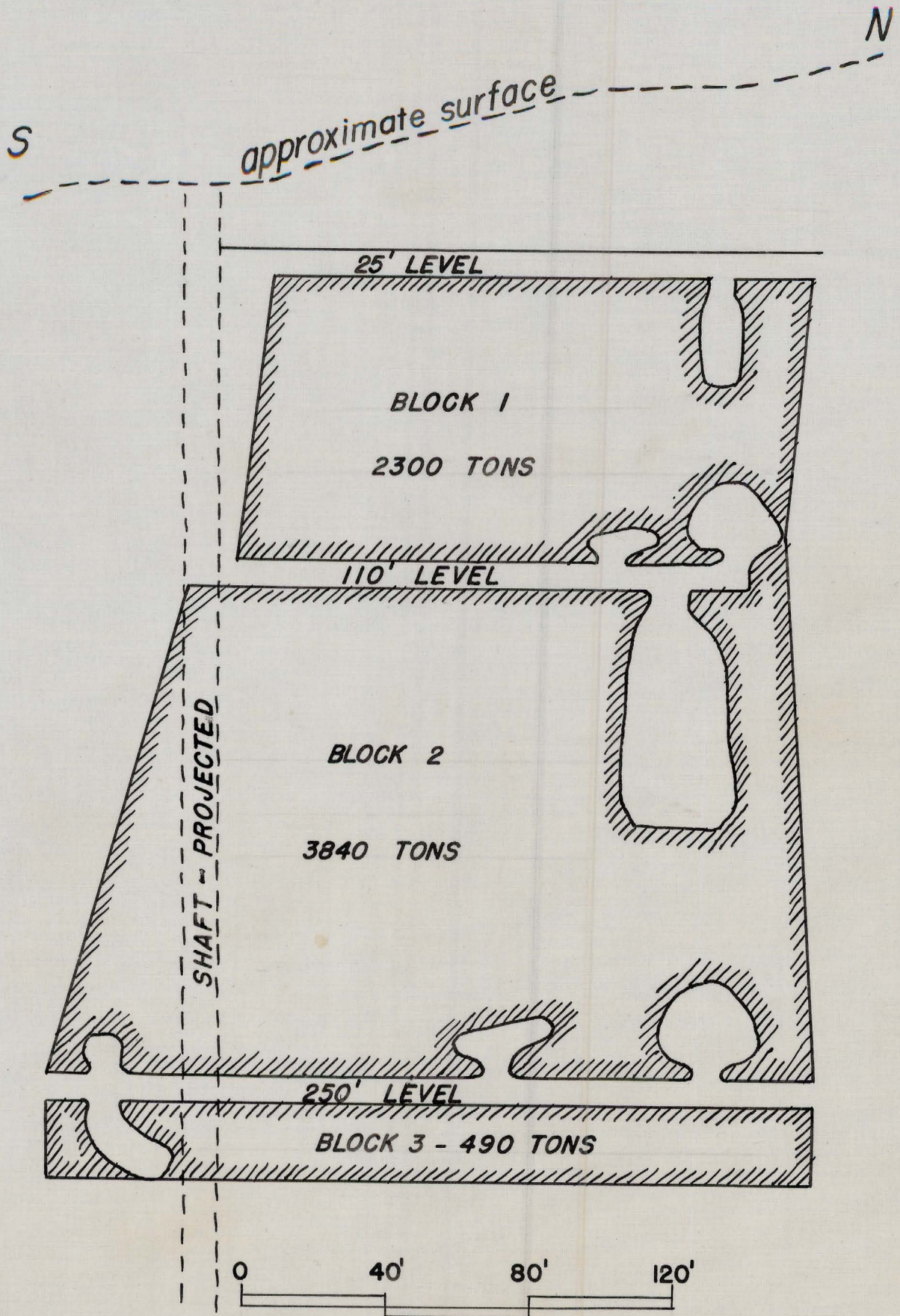


FIG. 2 - SECTION IN PLANE OF VEIN, SHOWING ORE TONNAGE BLOCKS