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Arizona Department of Mines and Mineral Resources Mining Collection

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PRINTED: 07-19-2012

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: LONE PINE

ALTERNATE NAMES:
LOMA VERDE
PATENTED CLAIMS MS 1747

YAVAPAI COUNTY MILS NUMBER: 1007

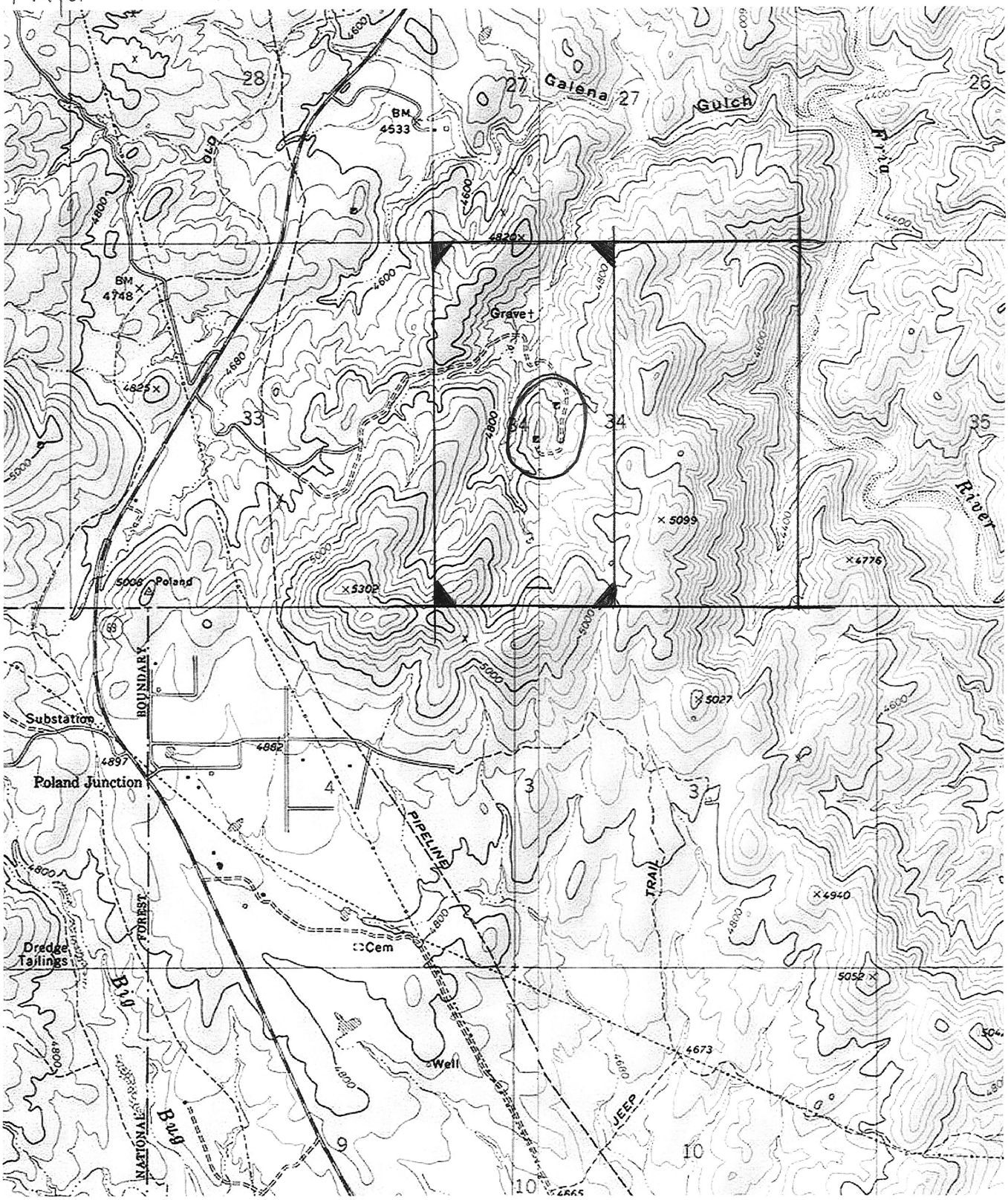
LOCATION: TOWNSHIP 13 N RANGE 1 E SECTION 34 QUARTER W2
LATITUDE: N 34DEG 27MIN 56SEC LONGITUDE: W 112DEG 14MIN 56SEC
TOPO MAP NAME: MAYER - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:
COPPER SULFIDE
SILVER
GOLD
LEAD
ZINC

BIBLIOGRAPHY:
USGS MAYER QUAD
BLM MINING DISTRICT SHEET 18
ADMMR LONE PINE MINE FILE
ANDERSON, C.A. & P.M. BLACET NORTHER BRADSHAW MTNS USGS 1336 1972 P 73
ADMMR PROD. POSS. MARGINAL COPPER MINES IN AZ 1941 P 78
CLAIMS EXTEND INTO SEC. 34
YAVAPAI MAGAZINE MARCH 1918 P. 5-6 SHARLOT HALL MUSEUM PRESCOTT, AZ

Mayer - 7.5 min



N 34 27' 56" W 112 14' 56"

Lone Pine

ArcGIS -

LONE PINE MINE

YAVAPAI COUNTY

Production Possibilities of the Marginal
Copper Mines in Arizona 1941 p. 78

USGS Bulletin # 1345 P. 34
USGS Bulletin # 1336, P. 73

See: Iron King North Prospect (Mine File) Yav.

* GENERAL REFERENCES

REFERENCE 1 F1 < USGS BULL 1336 7.

REFERENCE 2 F2 < AZ DEPT MIN. RESOURCES FILE DATA

REFERENCE 3 F3 < ABGMT- USBM FILE DATA

REFERENCE 4 F4 < ABGMT CLIPPINGS FILE

F5 < USGS BULL 1336, GEOL MAPS >

U.S. CRIB-SITE FORM

RECORD IDENTIFICATION

*RECORD NUMBER B10 <>

*RECORD TYPE B20 <X,1,M,>

DEPOSIT NUMBER B40 <>

*REPORT DATE G1 <8,1,X,0,9,> (YR. MO.)

*INFORMATION SOURCE B30 <1,2,>

*FILE LINK IDENT. B50 < USBM 004 025 1309

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

*REPORTER AFFILIATION G5 < ABGMT >

*SITE NAME A10 < LONE PINE MINE

*SYNONYMS A11 <>

LOCATION

*MINING DISTRICT/AREA A30 < BIG BUG DISTRICT

*COUNTY A60 < YAVAPAI >

*STATE A50 < AZ >

*COUNTRY A40 < U.S.

*PHYSIOGRAPHIC PROV A63 <1,2,X,>

*DRAINAGE AREA A62 <1,5,0,7,0,1,0,2,X,>

*LAND STATUS A64 <0,0,X, ,X,(, , , ,)>

*QUADRANGLE NAME A90 < MAYER ,(1,9,7,4,)>

*QUADRANGLE SCALE A100 <2,4,0,0,0,>

*SECOND QUAD NAME A92 < POLAND JUNCTION ,(1,9,7,5,)>

SECOND QUAD SCALE A91 <2,4,0,0,0,>

*ELEVATION A107 <4,8,0,0,X,FT,>

UTM

*NORTHING A120 <3,8,1,4,3,1,0,>

*EASTING A130 <3,8,5,2,7,0,>

*ZONE NUMBER A110 <+,1,2,>

*ACCURACY

ACCURATE ACC (circle)

ESTIMATED EST <>

GEODETIC

*LATITUDE A70 < - - N>

*LONGITUDE A80 < - - W>

CADASTRAL

*TOWNSHIP(S) A77 <0,1,3,N,:,X, , , ,:,X, , , ,:,X, , , ,>

*RANGE(S) A78 <0,0,1,E,:,X, , , ,:,X, , , ,:,X, , , ,>

*SECTION(S) A79 < 34 ,:,X, ,:,X, ,:,X,>

*SECTION FRACTION(S) A76 < W 2 >

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

*POSITION FROM NEAREST PROMINENT LOCALITY A82 < 3.2 MILES SOUTH-SOUTHWEST OF HUMBOLDT, ARIZONA >

*LOCATION COMMENTS A83 < NORTH SHAFT IS ON MAYER QUADRANGLE; SOUTH SHAFT IS ON POLAND JUNCTION QUADRANGLE. UTM COORDINATES FOR NORTH SHAFT >

* ESSENTIAL INFORMATION

+ ESSENTIAL SOMETIMES OR HIGHLY RECOMMENDED

COMMODITY INFORMATION

*COMMODITIES PRESENT C10 < C.U., A.G., , P.B., Z.N.

ORE MINERALS C30 < CHALCOPYRITE, GA[illegible]NA, AURIFEROUS PYRITE, SPHALERITE

COMMODITY SUBTYPES C41 <

GEN. ANALYTICAL DATA C43 < GIBBS ESTIMATED TOTAL PRODUCTION AT 2763 TONS ORE AVERAGING 5.35% CU, 0.24 OZ/TON AU, 3.16 OZ/TON AG

COM. INFO. COMMENTS C50 <

* SIGNIFICANCE

PRODUCER

MAJOR PRODUCTS MAJOR < C.U., A.G., A.U. >

MINOR PRODUCTS MINOR < P.B. >

POTENTIAL PRODUCTS POTEN < Z.N. >

OCCURRENCES OCCUR < >

NON-PRODUCER

MAIN COMMODITIES PRESENT C11 <

MINOR COMMODITIES PRESENT C12 <

OCCURRENCES OCCUR <

*PRODUCTION

PRODUCER

PRODUCTION (YES) *(circle)* PRODUCTION SIZE (SML) MED LGE *(circle one)*

NON-PRODUCER

PRODUCTION UND NO *(circle one)*

EXPLORATION OR DEVELOPMENT

*STATUS

PRODUCER

STATUS AND ACTIVITY A20 < 4 >

NON-PRODUCER

STATUS AND ACTIVITY A20 < >

DISCOVERER L20 <

YEAR OF DISCOVERY L10 < 1895 > *NATURE OF DISCOVERY L30 < B > *YEAR OF FIRST PRODUCTION L40 < 1907 > *YEAR OF LAST PRODUCTION L45 < 1956

PRESENT/LAST OWNER A12 < FRED GIBBS, PRESCOTT, ARIZONA (1970)

PRESENT/LAST OPERATOR A13 < FRED GIBBS, PRESCOTT, ARIZONA (1970)

EXPL./DEV.COMMENTS L110 < 3 PATENTED CLAIMS = CORPORAL, LONE PINE, ADMIRAL

DESCRIPTION OF DEPOSIT

DEPOSIT TYPE(S) C40 < STRATIFORM MASSIVE SULFIDE

DEPOSIT FORM/SHAPE M10 < LENS

DEPTH TO TOP M20 < > *UNITS M21 < > *MAXIMUM LENGTH M40 < 1200 > *UNITS M41 < FT

DEPTH TO BOTTOM M30 < 290 > *UNITS M31 < FT > *MAXIMUM WIDTH M50 < 290 > *UNITS M51 < FT

DEPOSIT SIZE M15 < (SMALL) > M15 < MEDIUM > M15 < LARGE > *(circle one)* *MAXIMUM THICKNESS M60 < 20 > *UNITS M61 < FT

STRIKE M70 < N25 > *DIP M80 < 75 TO 80 E

DIRECTION OF PLUNGE M100 < *PLUNGE M90 <

DEP. DESC. COMMENTS M110 < MASSIVE ORE MAXIMUM THICKNESS = 20 FEET; DISSEMINATED ORE MAXIMUM THICKNESS = 100 FEET >

DESCRIPTION OF WORKINGS

Workings are: SURFACE M120 UNDERGROUND (M130) BOTH M140 *(circle one)* *OVERALL LENGTH M190 < 640 > *UNITS M191 < FT

DEPTH BELOW SURFACE M160 < 290 > *UNITS M161 < FT > *OVERALL WIDTH M200 < 80 > *UNITS M201 < FT

LENGTH OF WORKINGS M170 < 2000 > *UNITS M171 < FT > *OVERALL AREA M210 < 51,200 > *UNITS M211 < SQ FT

DESC. OF WORK. COM. M220 <

GEOLOGY

*AGE OF HOST ROCK(S) K1 < P.R.O.T., U/PB ZIRCON GREATER THAN 1720 MILLION YEARS

*HOST ROCK TYPE(S) K1A < METARHYOLITE, TUFF, CHERT

*AGE OF IGNEOUS ROCK(S) K2 < P.R.O.T., AS LINE K1

*IGNEOUS ROCK TYPE(S) K2A < METARHYOLITE, TUFF

*AGE OF MINERALIZATION K3 < P.R.O.T.

*PERT. MINERALS (NOT ORE) K4 < QUARTZ, CALCITE, PYRITE, CHLORITE

*ORE CONTROL/LOCUS K5 < STRATIGRAPHY

*MAJ. REG. TRENDS/STRUCT. N5 < BEDDING TRENDS N10E

*TECTONIC SETTING N15 <

*SIGNIFICANT LOCAL STRUCT. N70 < FOLIATION TRENDS N5E

*SIGNIFICANT ALTERATION N75 < CHLORITIZATION, SILICIFICATION

*PROCESS OF CONC./ENRICH. N80 < OXIDATION AT NEAR-SURFACE

*FORMATION AGE N30 < P.R.O.T., AS LINE K1

*FORMATION NAME N30A < IRON KING VOLCANICS AND UNNAMED PRECAMBRIAN METAVOLCANICS

SECOND FM AGE N35 <

SECOND FM NAME N35A <

*IGNEOUS UNIT AGE N50 < P.R.O.T., AS LINE K1

*IGNEOUS UNIT NAME N50A < AS LINE N30A

SECOND IG. UNIT AGE N55 <

SECOND IG. UNIT NAME N55A <

[GE]OLOGY COMMENTS N85 < MASSIVE SULFIDE LENS IN METARHYOLITE

GENERAL COMMENTS

GENERAL COMMENTS GEN < >

Nyal Niemuth

LONE PINE (f) YAVAPAI

From: <DLPSBR@aol.com>
To: "Nyal Niemuth" <njn22r@hotmail.com>
Cc: <monte@magmachem.com>
Sent: Thursday, November 30, 2000 11:50 AM
Subject: Lone Pine mining claims

Atna Purchases 100% Interest In VMS Mining Prospect

VANCOUVER, B.C.--(BUSINESS WIRE)--Nov. 30, 2000--Atna (TSE:ATN.) has purchased a 100% interest in the patented Lone Pine mining claims located 4 miles north of Mayer, Arizona.

The Lone Pine Mine operated intermittently from the early 1900's to the 1950's and produced ore averaging 6% copper, 5% zinc, 1.5% lead, 3 oz/t silver and 0.2 oz/t gold from underground stopes. The old workings include 3 shafts, to a maximum depth of 183 feet (water table) and an adit with 2000 feet of drifts along a strike length of 600 feet. No drilling has tested the down-dip extension of this polymetallic mineralization below the old workings.

The Lone Pine Mine is located in an historic mining district hosting a number of Precambrian volcanogenic massive sulphide (VMS) deposits including the nearby Iron King Mine which produced 6 million tons of zinc, lead, copper, silver, and gold ore. The United Verde Mine, located 50 miles to the east near Jerome, produced 33 million tons of 4.8% copper, 1.6 oz/t silver and 0.04 oz/t gold.

Atna has staked additional claims in the area and has initiated surface and underground mapping and sampling. Initial assay results indicate significant base and precious metal values in banded massive sulphides and precious metal values in carbonate/silica altered rock. The favourable, steeply dipping, mineralized horizon extends for several thousand feet along strike from the Lone Pine Mine. Other similar horizons, marked by exhalative siliceous iron formation and sulphide mineralization, have been identified on the property.

The geographical setting of the Lone Pine Mine presents no unusual permitting or mining difficulties. Atna plans to carry out a 1500 foot diamond drill program early next year to test for the extension of the high-grade base and precious metal VMS mineralization below the old workings.

CONTACT:

ATNA RESOURCES LTD.

David Watkins, President and CEO

Michael Williams, Investor Relations

Tel: 604/684-2285

Fax: 604/684-8887

E-mail: atna@atna.com

Website: http://www.atna.com

KEYWORD: INTERNATIONAL CANADA

Mayer

ich is located about
of Mayer. This
been abandoned and
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reviving these prop-
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on.

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ry 1st, 1918.

property adjoins
the south. Little
as been done on
of a shaft down
no equipment on
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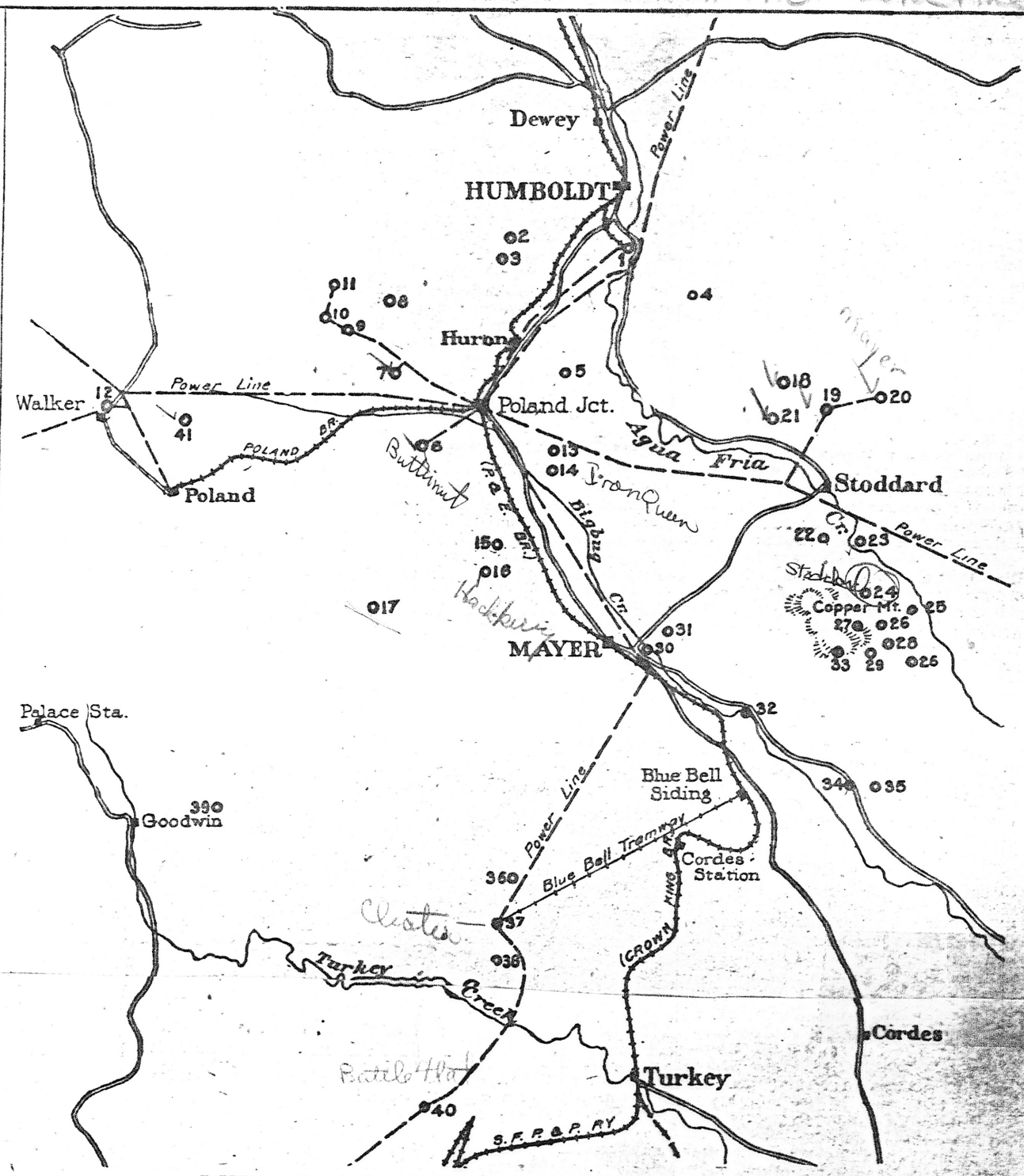
orkings are good



MINES IN THE MAYER DISTRICT

1. Consolidated Arizona Smelting Co. Smelter
2. Silver Belt
3. Arizona National
4. Loma Verde
5. Swindler
6. Butternut
7. Henrietta
8. Gladstone-McCabe
9. Little Jessie
10. Lelan
11. Locey-Pabst (Union)
12. Mudhole
13. Boggs
15. Arizona Copper Mining Co.
16. Hackberry
17. Big Reef
18. Moscow
19. Arizona Binghamton
20. Copper Queen Gold Mining Co.
21. Arizona Copper Hill
22. Half Moon
23. Rio Tonto
24. Copper Mountain Mines Co.
25. Copper Age
26. Big Bug
27. Jerome Copper
28. Miner
29. Monte de Cobra (Barbara)
30. Great Western Smelter
31. Little Egypt
32. May Ore Purchasing Co. Smelter.
33. Easy Boss
34. Pocahontas
35. Iowa
36. May
37. Blue Bell
38. Cinderella
39. Circle Park
40. De Soto
41. Amulet
14. Iron Queen

to define walls and a drift is also being driven in under the shaft that has produced some high grade copper ore several years ago. The property will be completely equipped with machinery and a camp will be built.

Big Bug—This property is situated on Copper Mountain. At present two claims. The southern neighbor of the Big Bug is the Copper Mountain Mines Company.

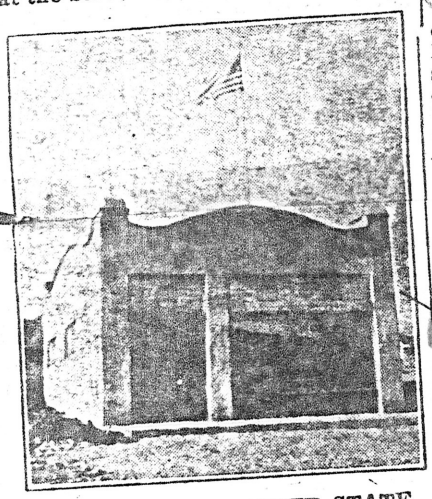
Jerome Copper—The holdings of the Jerome Copper Company are situated at Copper mountain. Little development work has been done on the property to date, but showings encludes a 340 foot tunnel, three shafts, the deepest being 70 feet, and a number of cuts. About 40 feet of one and three-eights copper was cut in the tunnel. At present work is suspended and funds are being raised. When the company is financed, a new

was rich in high g
ing was profitable 40 years ago, with transportation as high as 50 cents a pound, the district should eventually be the center of a numper of producers now that modern flotation permits a copper ore 2½ per cent to be profitably worked.

We present below a few facts about some of the more important properties in the Mayer district:

Consolidated Arizona Smelting Company—During the past four years the growth of the Consolidated Arizona Company has been steady and marked. Four years ago the smelter produced 400,000 pounds of blister copper a month. Today it is producing blister copper at the rate of 2,000,000 pounds monthly. The concentrating plant is treating about 400 tons of ore daily. About half of this ore is produced at the company's own mines located 15 and 30 miles respectively southwest of Humboldt. These properties are the Blue Bell and the De Soto.

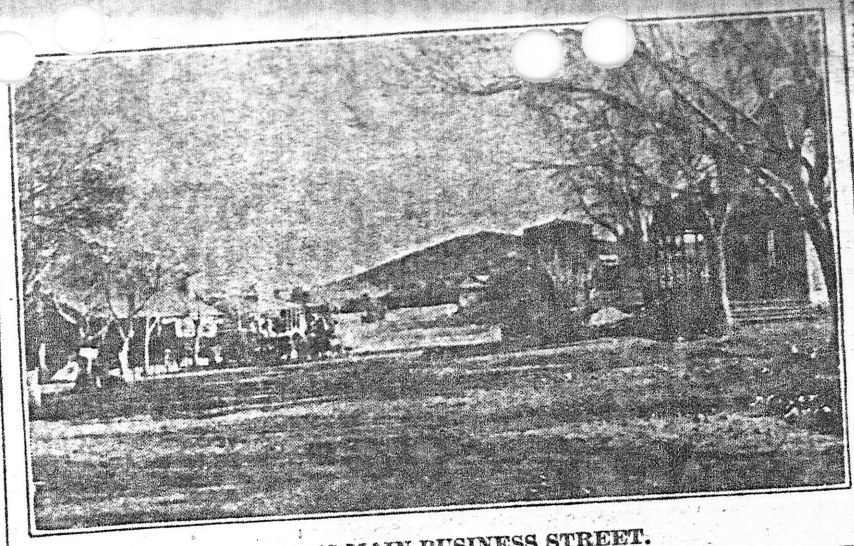
Four new Wedge Hearth Mechanical roasters have just been installed at the Smelter. The capacity of these



HOME OF THE MAYER STATE BANK.

roasters is 300 tons each daily. 600 men are now employed by the Consolidated Arizona Company; 160 of these being employed at the mines and the remaining 440 at the Smelter.

Silver Belt—This property was formerly operated by the Burmisters about 20 years ago as a silver, lead, and zinc proposition. The chief values have always been silver. There is a shaft 260 feet deep on the property. About 3,000 feet of development work have been done. There is a complete camp on the property and the working equipment consists principally of a gasoline hoist. About two years ago the property was taken over by a group of San Francisco men. Recently an election of officers was held at which time it was determined to extensively develop the property.



MAYER'S MAIN BUSINESS STREET.

Arizona National—Is owned by a close corporation headed by Sydney Birch and F. M. Anderson. It is a silver, lead, zinc property and it is currently reported that development has established it as a valuable mine. The present owners installed a mill. Later there was considerable delay because of the necessity of changing the machinery to secure more effective treatment of the ore. The property is now said to be in a particularly satisfactory shape and earning good profits.

Loma Verde—This property was formerly known as the Lone Pine. About a year ago it was taken over by M. N. Andrews and his associates. The Lone Pine had been worked since 1882, and to the time it became the Loma Verde it had produced about $65,000. It was originally worked as a gold mine. The new owners are planning to develop it as a copper proposition. A total of about 1500 feet of development work have been done on the property. This includes three shafts, 300, 185 and 165 respectively and an 800 foot tunnel. At present the mine is shut down awaiting the arrival of a Chicago Pneumatic compressor. As soon as this is installed, work will be resumed. The equipment on the property includes a steam hoist and boiler, blacksmith shop, a cook house, bunk houses and boarding house. The property is about three and one-half miles southeast of Humboldt.

Swindler Mine—This property was one of the old producers of the Mayer district. When the property was actively operated several car loads of high grade copper and gold ore were shipped. These ores came from a depth of about 80 feet. The property belongs to the old Hull estate. It is now being placed in position where it can be handled. The Swindler is located near Huron.

Henrietta and Butternut—Both these properties are owned and operated by the Big Ledge Development Company. During the latter part of 1917 operations were resumed on both properties. Three shifts are now being worked. The Henrietta is worked through an adit and a winze. The winze is down 300 feet giving a surface depth of approximately 1300 feet. Both the Henrietta and Butternut have encountered ore bodies of sufficient size and grade to place them among the really big mines of the Mayer district. Of the two properties, the Butternut carries the bigger ore bodies and better values.

Gladstone-McCabe—These properties have produced between two and three million dollars in gold from workings down to the 900 level. About 40,000 tons of ore were shipped, averaging $30 in gold and silver and from one to two per cent in copper. On the Gladstone, the shaft is down 1100 feet and on the McCabe the shaft is down 900 feet. The vein of ore at the 1100 level of the Gladstone is from 3½ to 5 feet wide. The McCabe vein is from 15 to 20 feet wide on the 900 level. No ore has been stoped on the lower levels of the Gladstone. There are about 80,000 tons of tailings and milling ore on the dumps of both properties. When the properties were being operated some ore was milled on the property and high grade was shipped. There is a 20-stamp mill with a cyanide annex near the old shaft site of the Gladstone. The mill and a very complete camp still stand intact. The Gladstone-McCabe properties are about

worked continuously for t
years. Several thousand
velopment work has be
date. There are now al
tons of milling and ship
reserve. The property
been worked as a gold
but some indications of
been found. The main s
500 feet. The property
equipped with machine
are camp accommodati
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been milled and shipped
property is southwest
and adjoins the Union a
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Locey-Pabst—In Dec
operations on the Uni
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MAYER'S NEW

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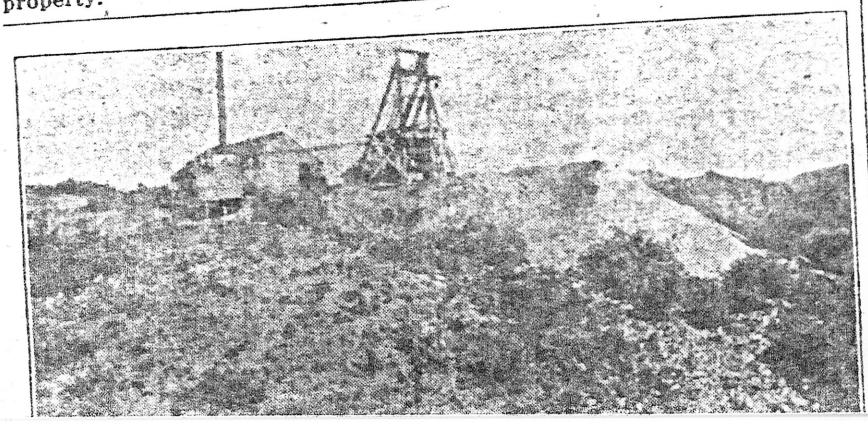
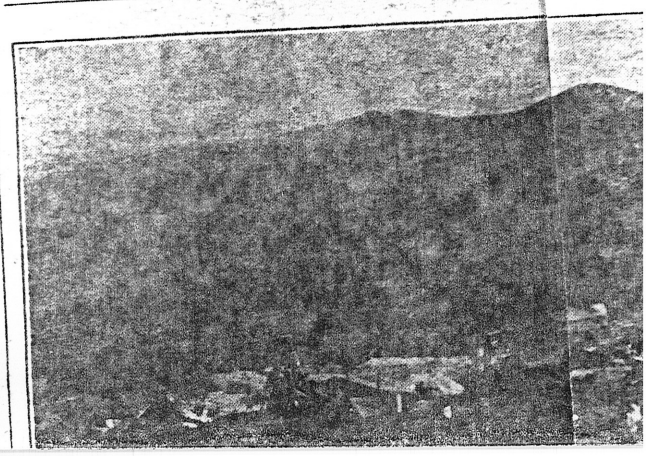




MARK GEMMILL reported:

LONE PINE MINE YAVAPAI COUNTY

FRED GIBBS, 356 Hassayampa Drive,
Prescott, Ariz.

INACTIVE

May 1, 1957

LONE PINE (F) YAVAPAI Co.

Wednesday May 30, 9:06 am Eastern Time

Press Release - **Atna Resources Inc. -- Lone Pine Drill Program Results**

VANCOUVER, British Columbia--(BUSINESS WIRE)--May 30, 2001--Three drill holes, totaling 1,338 feet, tested for the down-dip extension of polymetallic mineralization beneath the old Lone Pine Mine workings and a parallel TEM geophysical anomaly. Narrow sections of semi-massive to disseminated sulphides mineralization were intersected in sericitic and iron carbonate altered rock. LP01-1 intersected 4.1 ft. of 0.18% Cu, .05% Pb, 0.7% Zn, 7.3 g/t Ag and 0.5g/t Au. No significant values were intersected in LP01-2. LP01-3 intersected 5.6 ft. of 0.4 %Cu, 0.4% Pb, 0.5% Zn, 47.5g/t Ag and 2.2g/t Au. Thinning of the mineralization below the old workings may be the result of complex folding; carbonaceous epiclastic sedimentary rocks intersected in the hanging wall are the probable cause of the TEM anomaly. More detailed geological mapping and structural interpretation will be necessary to determine if the property warrants further drilling.

During the course of this program Atna examined other volcanogenic massive sulphides (VMS) prospects in the same belt of rocks that host the Iron King Mine and Lone Pine prospect of central Arizona. Several of the properties have been examined, mapped and sampled by major mining companies. Atna staked mineral claims over and along strike from a VMS deposit that had limited mining and exploration development carried out in the early 1900s. The altered mafic and felsic host rocks extend for more than 4,800 feet along strike from a vertical shaft and dump. Banded massive sulphides and siliceous iron formation are hosted in pyritic quartz sericite schists.

The VMS prospect and adjacent claims have considerable exploration potential. Assay results from selected dump samples of banded massive sulphides returned high-grade polymetallic values up to 10% Cu and 6.6 g/t Au. The old mine site and adjacent claims and will be mapped and sampled to outline targets for drill testing.

Atna is a well financed mineral resource company focused on acquiring projects with potential for near term cash flow and exploring properties that have the potential for significant discoveries.

Contact:

ATNA RESOURCES LTD.
David Watkins or Michael Williams, 604/684-2285
Fax: 604/684-8887
E-mail: atna@atna.com

THE LONE PINE MINE (P) A MODIFIED PROTEROZOIC VOLCANOGENIC DEPOSIT, YAVAPAI COUNTY, ARIZONA

Douglas Hurlbut

The Lone Pine Mine is one of many small Proterozoic Cu, Zn, Au, Ag volcanogenic deposits in the Poland Junction area, southeast of Prescott. The orebody lies near the stratigraphic top of a felsic volcanic sequence of coarse breccia, crystal tuff and other fine-grained tuffaceous rocks. The volcanics are preserved as quartz-sericite chlorite schists that commonly exhibit clastic or porphyritic textures. At the surface, the ore zone can be traced for at least 600' along strike. Where most pronounced, it is characterized by an iron oxide gossan within layers and lenses of quartz and carbonate. A siliceous cap defines the uppermost limit of mineralization. The ore was predominantly oxide with high Cu, Au and Ag concentrations. Sulfide ore consisted largely of pyrite, chalcopyrite and sphalerite in a gangue of quartz, carbonate, sericite and chlorite. Footwall rocks exhibit alteration characteristic of a proximal volcanogenic massive sulfide deposit although the morphology of the alteration zone is not clearly defined. Schist is notably silicified immediately adjacent to the ore zone and a few sericitized layers are present. Thin attenuated layers and laminae of dark magnesian chlorite are seen along strike for hundreds of feet. Strong deformation has modified the stratigraphy and deposit morphology. Rocks have developed a strong foliation trending N25-35°E with a steep southeast dip. Steep northerly-plunging isoclinal folding coincides with a steep lineation defined by ore shoots and highly attenuated clasts. Fine layers show evidence of transportation. The host volcanics and overlying sediments have been intruded by Laramide granodiorite. Zones of hornfelsed schist are common and some epidote-magnetite-garnet skarn is seen at the intrusive-calcareous sediment contact. The Lone Pine deposit has been modified by deformation and intrusive activity with disruption of original morphology and remobilization of mineralization. However, it appears to be a small but classic product of submarine volcanogenic processes from the standpoint of mineralization, alteration and host lithology.

abstracted from: Dept. of Geosciences, University of Arizona - Geoscience Oaze - March 11-13, 1986

Mr. Jacob Skrede
P.O.Box 1866
Prescott Ariz.

IN ACCOUNT WITH
J.WILLIAM WAARA, U.S.MINERAL SURVEYOR
PREASCOOT arizona.

10/5/73

1973
July — To map of Sur.No.1747 super imposed on Sur.No. 3234 using timber.d Shaft as common starting point as trial comparison.(Lone Pine group over Hull Group) — $35.00

Aug
22-23-24 To three days surveying Hull group to locate timbered shaft,
Survey of Lone Pine group to confirm its position as shown by the Anaconda engineer — 150.00
Assistant fro three dasy — 48.00
Car use three days — 15.00
Land office maps — 3.00

$ 251.00

Dear Mr. Skrede;
Not having seen you for several weeks, I have been uneasy and wondered if you are ill. I do hope that yo are well and active, also Mrs Skrede. With best regards

Sincerely
J.William Waara
J.William Waara

This data brought in by Mr Jacob Skred
3-3-78.
He claims to be full owner now

P.O.Box 1017
April 17, 1973
Prescott Arizona

Mr. Jacob Skrede
P.O.Box 1866
Prescott Ariz. 86301

Dear Mr Skrede;

I have examined and study the field notes of the Lone Pine group and came to the conclusion that I should make a map from the field notes as the patent map did not shown the workings which would help in finding the corners. The map is very interesting and is of future value to you. It shows all of the shafts which are or were on the claims in 1903, the old road and gulches which cross the claims.

I think the best way to handle this job is for you to find a young active man about 20 to 35 who is willing to climb those steep claims as I point them out to you folks. I will not attempt to follow the steep hill-sides, however, after I find a starting point on each end line, the other corner points can be located.

I presume you will get this letter on Wednesday so thusly we should plan on going to the property Thursday morning. I don' know how long it will take to get started. My believe is that we will work Thursday and Friday. This will be a <u>pacing and compass survey</u> which is the fastest way possible to get the information required and accordingly the cheapest for you. The accuracy of the claims lines are not in question, just the boundaries as dezignated by the monuments; and also to know if there is any indication of their being tampered with or moved in any way.

We did not discuss what my fees will be, so I am writing hereon what the charges and rate will be.

I will charge fifty dollars per eight hour day, starting from Prescott and returning here or if you wish we can stay at Mayer and save returning the trip to Prescott on Thursday night. If I stay in Mayer, I will charge you for my meals and lodging. Other expenses are five dollars per day for use of my car from here to the claims and back. My car is too large to use on the roads into the claim so we will have to use yours, into the property. I have spent nearly a day on the map for which I am charging you thirty five dollars.

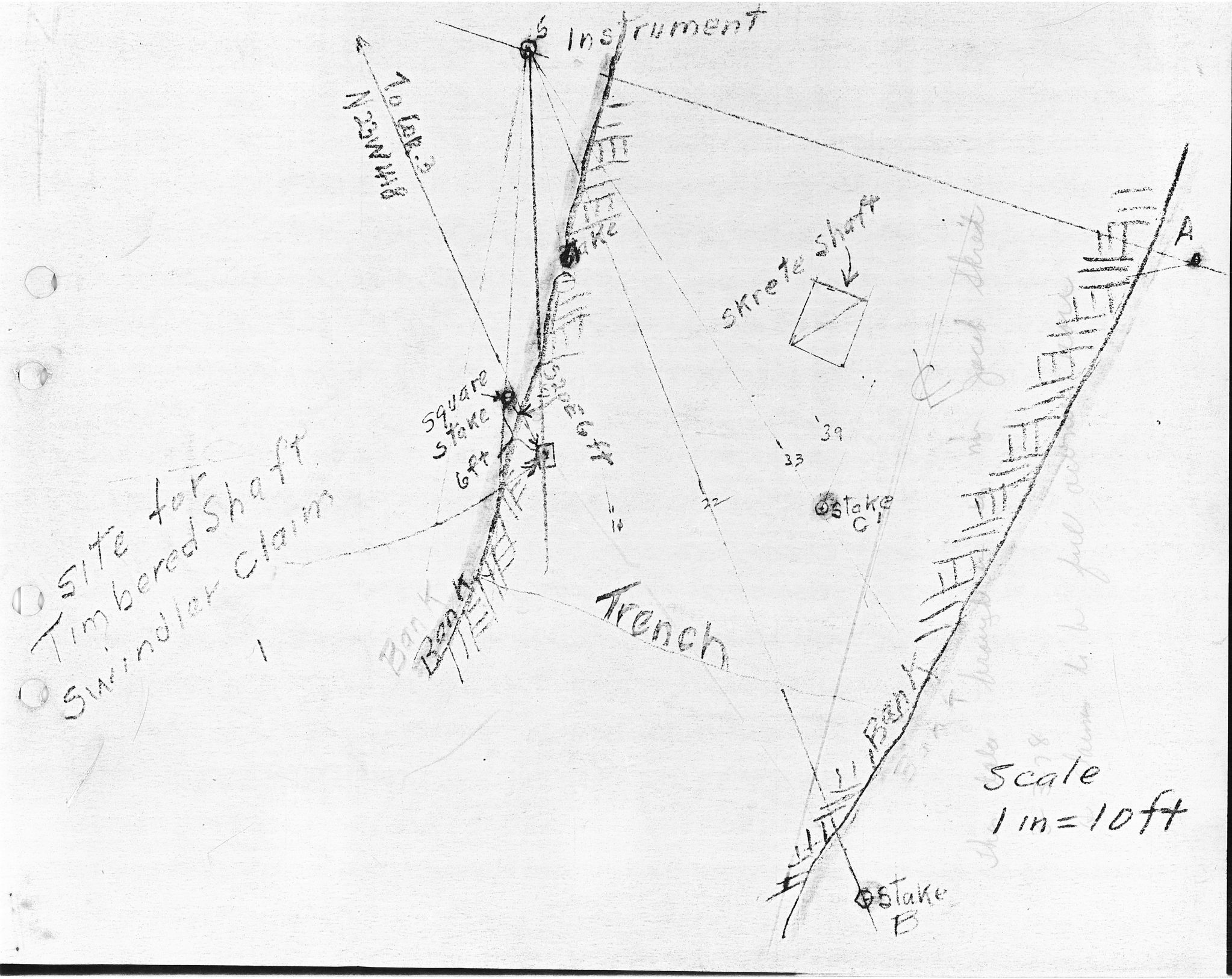
I think this is all for now. We can discuss further when you see me Wednesday.

Sincerely

J.William Waara

J.William Waara

This data brought in by Mr Jacob Skred
3-3-78
& claim to be full owner now


Instrument
To Lake
N 34° W 48
Stake
Square Stake
6 ft
Square Stake
Skrete Shaft
A
39
33
22
14
Stake C
Trench
Bank
Bank
Bank
Stake B
Site for Timbered Shaft Swindler Claim
Scale 1 in = 10 ft

Precambrian Geology of the Northern Bradshaw Mountains, Yavapai County, Arizona

By C. A. ANDERSON and P. M. BLACET

GEOLOGICAL SURVEY BULLETIN 1336

A study of the stratigraphy and the structure of the Precambrian stratified and associated intrusive rocks

UNITED STATES GOVERNMENT PRINTING OFFICE, WASHINGTON : 1972

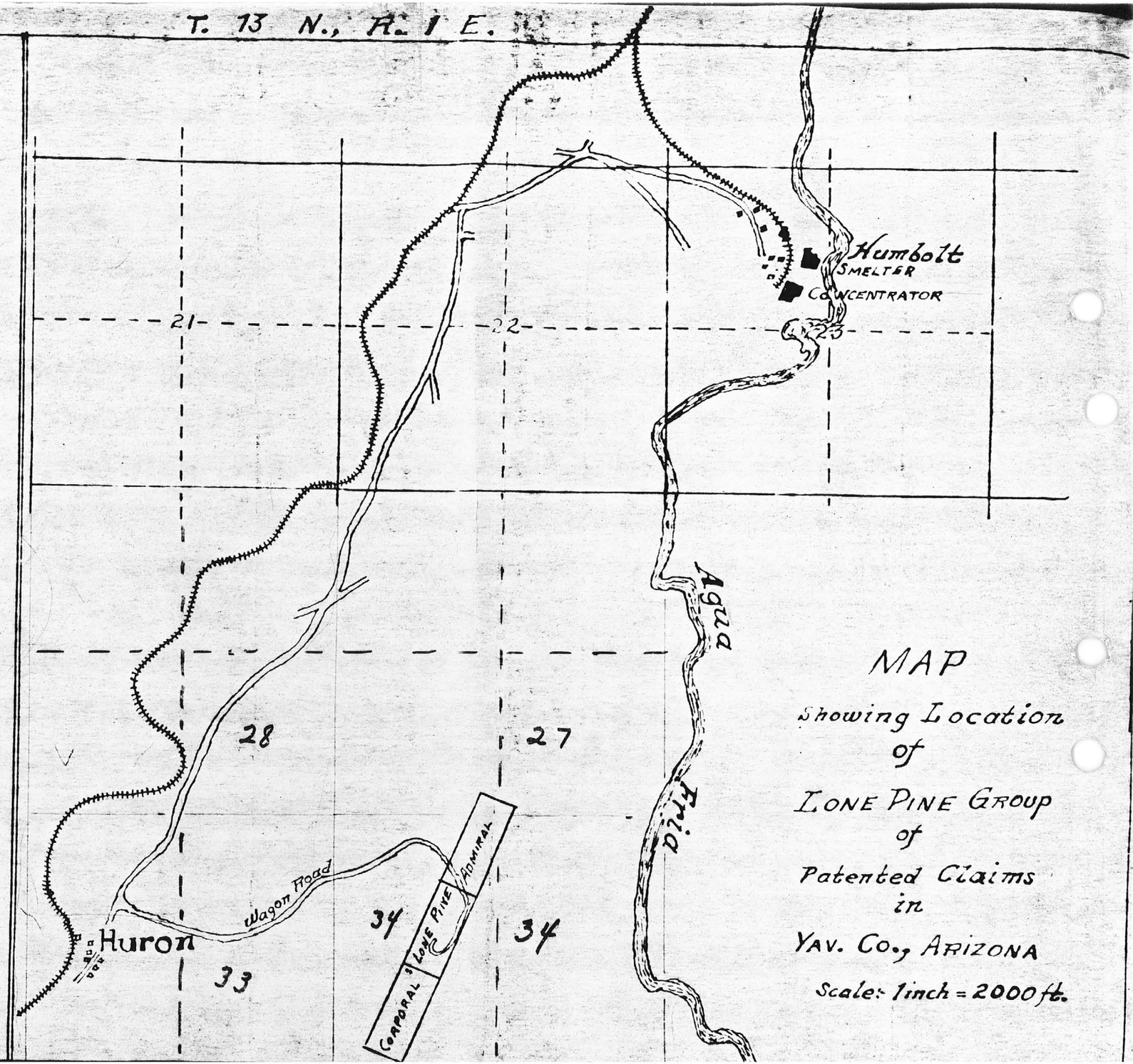
PRESCOTT COLLE

T. 13 N., R. 1 E.

'k Shaft

Gold	Silver
.20 ozs.	8.46 ozs
.28 "	4.50 "
.04 "	.78 "
.16 "	2.62 "
.02 "	.30 "
.10 "	1.74 "
.05 "	.95 "
.10 "	.88 "
.06 "	.34 "
.09 "	1.54 "

Representative of TUVW Sulphides		
Zn.	.30	%
As.	.35	"
Sb.	Trace	
Cu.	3.67	"
Bi.	.08	"
Fe.	16.05	"
Au.	.175 ozs.	
Ag.	3.92	"



MAP

Showing Location of Lone Pine Group of Patented Claims in Yav. Co., Arizona

Scale: 1 inch = 2000 ft.

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PRESCOTT COLLE

LONE PINE MINE

The Lone Pine mine is owned by Fred Gibbs of Prescott, Ariz., who supplied the following description (written commun., Nov. 19, 1967). The older workings consist of an adit with connecting winzes, extending southward from a dump at the north end of the mineralized zone. Two shafts were sunk on the mineralized zone south of the dump. The north shaft is 200 feet deep and connects with a drift and footwall crosscut, and two small tightly lagged stopes are at the top of the drift. The south shaft is 183 feet deep and connects with a drift and crosscut; the bottom of this shaft is 100 feet higher in elevation than the bottom of the north shaft.

Recent mining was limited to the south shaft, where Fred Gibbs mined oxidized copper ore from 1947 to 1953. Near the end of this mining operation, Gibbs unwatered the shaft, and the crosscut, driven east of the drift, revealed about 20 feet of mineralized schist: there were stringers as much as 6 inches wide of compact pyritic ore containing chalcopyrite, galena, and sphalerite, and sulfide minerals were disseminated between the stringers.

In 1957, lessees dewatered the north shaft, and Gibbs reported that 10 feet of mineralized schist was exposed in the crosscut west of the drift but that the compact solid sulfides were only an inch or more wide. Several years ago, a flash flood cut away part of the old dump, and chunks of compact pyritic ore were exposed, containing the same minerals as in the bottom of the south shaft. An "old timer" reported to Gibbs that one of the winzes below the adit level contained about 18 inches of compact pyritic lead-zinc ore.

Gibbs (written commun. Nov. 19, 1967) emphasized that sparsely disseminated pyrite and chalcopyrite form a zone as much as 100 feet wide on the footwall (west) side of the main ore body; this zone is in contrast to the sharp boundaries of the ore zones at the Iron King and Hackberry deposits.

Incomplete records from 1907 to 1957 show that 2,763 tons of ore were shipped. The average grade was 0.20 ounces of gold and 3.16 ounces of silver per ton and 5.35 percent copper (Gibbs, written commun. April 10, 1969).

BOGGS, IRON QUEEN, AND HACKBERRY MINES

The Boggs, Iron Queen, and Hackberry mines were first operated by the Commercial Mining Co., a subsidiary of Phelps Dodge Co., and the ores were treated in a local smelter near Mayer. During the period 1905–09, the Boggs and Hackberry mines were operated by the George A. Treadwell Co., but the Iron Queen has been inactive since its early period of operation (Lindgren, 1926, p. 139–141).

Intra-Company Correspondence

SHATTUCK DENN MINING CORPORATION
and
SUBSIDIARIES

Underground & other maps on this property in Shattuck-Denn files in Humboldt.

Humboldt Office

Date December 20, 1965

TO: C. R. Sundeen

SUBJECT: LONE PINE MINE
% Mr. Fred Gibbs
Prescott, Arizona

FROM: J. Olaf Sund

TYPE: Copper and Gold.

TERMS REQUESTED:

Total purchase price of $30,000.00, payable at a rate of 1/3 at the end of each of the first three years; or Shattuck Denn stock at the rate of $8.00 per share in lieu of cash.

Property owned jointly, 2/3 by Fred Gibbs and 1/3 by a Jacob Skrede and his wife Dorita of Los Angeles.

LOCATION:

The property includes three patented claims in the Aqua Fria Mining District and is located approximately two miles south of the Iron King Mine. Specifically the mine is in sect. 10, T-12-N and R-1-E.

GEOLOGY: GENERAL:

The Lone Pine Mine is geologically on strike with, and north of, the Hackberry Mine (note report November 24, 1965). That is to say, the mineralized zones are included within the same rock units, in the same relative structural position and possibly, although it is not clear, have a similar structural control.

[illegible]:

[illegible] area is underlain by the so-called Yavapai schists which are actually interbanded volcanic rocks. These include the greenish andesite, andesitic fragmentals and tuffs with whitish rhyolite and rhyolite tuffs. The latter may be locally very schistose and considerably altered by sericitization and silicification. There are also the typical coarse-grained andesitic rocks that may actually be a fine-grained intrusive diorite sill. There are intrusive rocks in the immediate area, these being granodioritic masses on the northwest and southeast sides of the ore structures as well as a typical quartz-feldspar porphyry sill to the west.

The general strike of all rock units is approximately north 25 degrees west with a steep easterly dip at 75 to 80 degrees. The axial trace of a regional syncline is only 1500 feet west of the mine area and thus the tops face westerly.

The general geology of the "Lone Pine Mine" area is plotted on the accompanying 200 foot to one inch map.

OREBODY:

Very little development work was done in the primary sulphide zone and through the years the work in the oxide zone has been, at best, erratic. (Note "History and Development" below). Because of this the detailed geological picture of the ore zone is incomplete beyond the known fact that the ore occurs in irregular shaped lenses and is associated with quartz veins or lenses. It is not known if these lenses have an en-echelon arrangement or are actually one continuous zone with varying widths etc., nor is actual length and width of each of these mineralized lenses known. All the mineralized lenses etc. are included within a highly sheared zone in the rhyolitic horizon. The zone is well characterized by an intense silicification and sericitization. Gibbs feels the ore is of a replacement type.

The ore in the oxide zone carries values in gold, silver and copper and in the sulphide zone there is apparently some lead and zinc. Gibbs notes that the ore is more siliceous than either the Hackberry or the Iron King deposits, presumably a result of the silicification type of alteration along the sheared zone.

The lack of information regarding the shape, extent, relative positions or distribution of each of the siliceous mineral lenses prohibits speculation on the structural control of the ore zone. However, it is clearly established that the ore lenses are restricted within a narrow 100 foot wide sheared zone that has a known strike length of some 1200 feet within the rhyolite. The short known mineralized zone apparently extends both north and south of the developed strike length.

HISTORY AND DEVELOPMENT:

The claims were first located about 70 years ago and patented in 1904 by the Lone Pine Mining Company. Development and production took place briefly from 1904 to 1907. Since 1907 various leasors have carried on "chloriding" activities in the workings above the water table only. Mining in the primary sulphide zone from the north shaft was carried out briefly during 1930 only.

The ore has been developed over a strike length of some 500 feet. Access to the ore was via three separate shafts as well as a tunnel which is connected to the old main shaft. This main shaft is 160 feet deep, while the northern is 200 feet deep and the southern, 190 feet. The enclosed "Composite Plan of Underground Work" and the "Longitudinal Section", both at one inch to 40 feet, illustrate the early development. It should be noted that the above plan and section are probably incomplete as a number of stopes are broken through to surface at several places along the entire length of the mine. It is apparent that the past production is almost exclusively from the upper oxide zone.

Records of production are incomplete but Gibbs indicated that the following tabulation was probable:

Dates	Producer	Tons	Au	Ag	Cu%
Prior to 1907	Lone Pine	716	0.25	3.63	6.11
1907-1930	(Various)	1170	0.21	3.28	6.45
Late 1940's	Gibbs	734	0.15	2.90	3.30
1957	L. Drake	143	0.10	1.11	3.10
Total--2763 Tons averaging			0.24	3.16	5.35%

At present the shafts are caved and the lowermost part of the mine is flooded.

RECENT EXPLORATION:

The Lone Pine Mine area was included in the regional district-study carried out by New Jersey Zinc (jointly with Shattuck Denn) during 1952 and 1953. Geological, geochemical (?) and geophysical studies were completed and the ground taken under option.

The vertical loop E.M. on grid lines with a 500 foot separation disclosed a conductor that corresponds with the mineralized zone. This was interpreted by N.J.Z. to be a "sheet conductor" (??). During the follow-up program, N.J.Z. apparently became discouraged by the negative results encountered from initial diamond-drilling at other locations and terminated their program abruptly during October 1953 before drilling on the Lone Pine property.

Grab samples collected by the writer on surface in the mine area gave insignificant results and have little or no meaning. They are:

Sample No.	Rock Description	Au	Ag	Cu
11746	Qtz. vein above stope 1 & 2	Tr	Tr	0.10
1174[illegible]	Schist w/Malachite & Azurite. Dump at north shaft	0.08	0.4	0.50
11748	Barren schist-Main shaft	Tr	Tr	0.12
11749	Barren schist-South shaft	Tr	Tr	0.07
11750	Schist-dump south shaft	Tr	Tr	0.08

No samples were found from the primary mineral zone, but almost no mining was carried out from this lower part.

SUMMARY:

1. Intermittent mining operations were carried out in mineralized lenses in a sheared zone.
2. Practically all mining was restricted to the upper oxide zone, whereas the lower primary sulphides are relatively untouched.
3. There is an unknown but probably small tonnage of exide ore remaining above the water table in the area of the shafts. At the same time there are no developed reserves in the sulphide zone.
4. There is a possibility of copper, lead and zinc mineralization as well as some gold and silver in the sulphide zones at depth.
5. The mineral zones are restricted to within an elongated sheared and altered zone that is in excess of 1200 feet in a rhyolite unit.
6. No detailed structural setting has been even hypothetically established for the mineralized zones due to a lack of information.
7. The mineralized zones possibly persist on strike beyond the presently developed limits. This "continuation" may be uninterrupted but more probably they would be a constant set of separated lenses.

CONCLUSIONS:

The Lone Pine property is a prospect only, as Gibbs has stated when he offered it to Shattuck Denn.

On the basis of the information available to date, or the lack of it perhaps, it seems reasonable to consider that one or more sulphide zones may exist below the water table and within the sheared and altered rhyolitic rocks. The main question at this point would be perhaps are the sulphides of an economic type.

RECOMMENDATIONS:

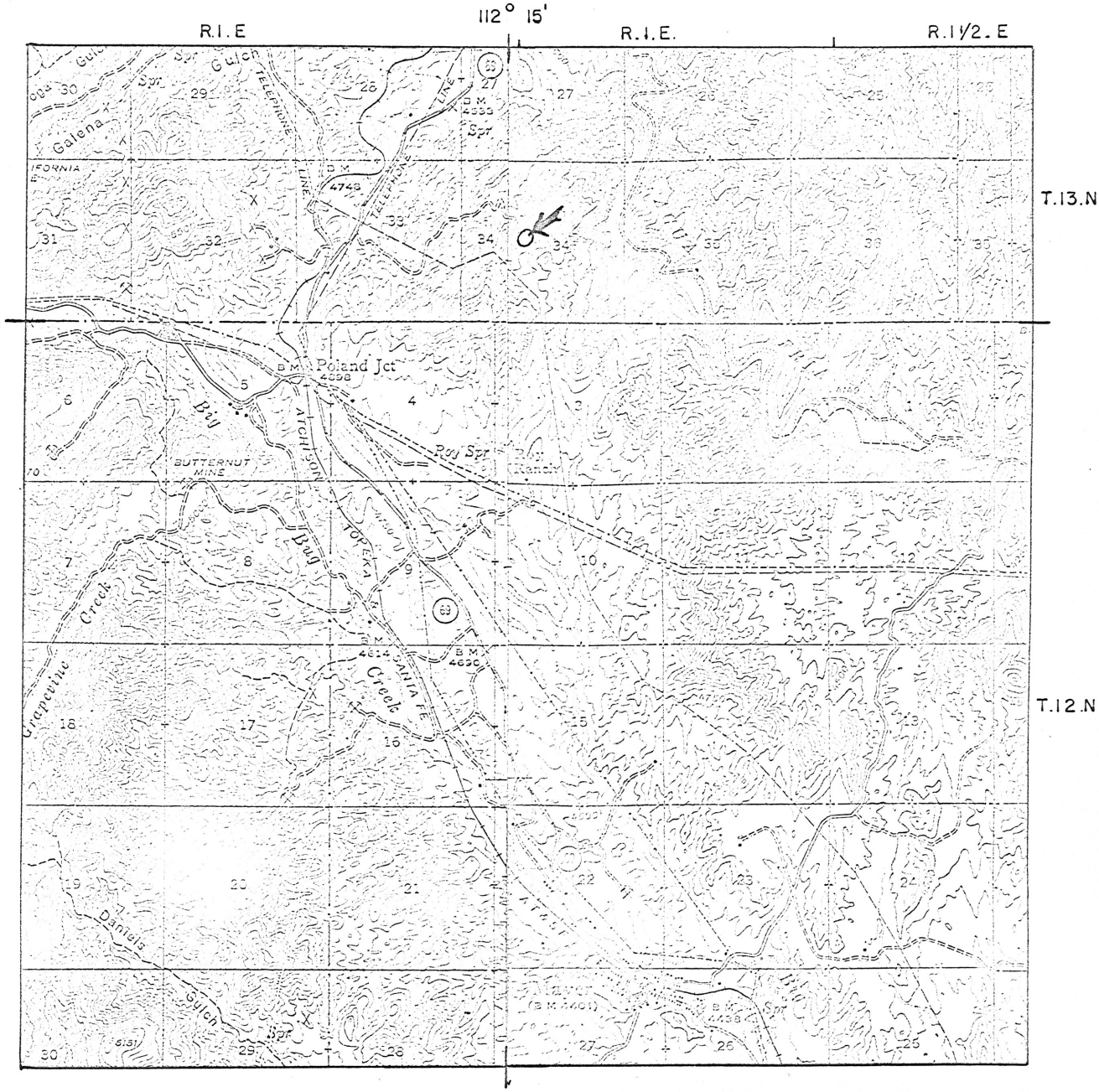
In view of the reasonable terms requested by Gibbs et al. which would provide one full year clear, the following is suggested;

1. Take out an option on the property.
2. Immediately complete a geophysical ground test over and extended on strike of the presently mined area. (I.P. is suggested for detail in view of the E.M. already completed by N.J.Z. which already indicated a conductor does exist).
3. Be prepared to drill a set of holes to follow-up any such conductors from the above I.P. test.

NOTE:

A detailed lay-out of a potential geophysical program etc. will be made separately together with other areas, but one could tentatively consider 3000 feet of survey line as necessary for the geophysical test. A diamond drill follow-up program should involve two to three holes as a minimum.

JOS/db



LOCATION OF - LONE PINE MINE

1 = 62,500

7/20/65

SOME NOTES ON LONE PINE MINE.

PROPERTY:

Three patented claims in Agua Fria Mining District about two miles south of Iron King mine.

BRIEF HISTORY:

The claims were located about 70 years ago and U.S. patent was obtained by the Lone Pine Mining Company in I904.

Between I904 and I907 this Company carried on limited exploration and development work but activities ceased in I907 when the Boggs Smelter went out of operation.

From I907 to the present time the mine has been worked in a small way by various leasers who carried on "chloriding" activities in the workings above water level and chiefly above tunnel level. Two leasers in I930 dewatered the mine and shipped some ore from the bottom level but this work ceased when the Humboldt smelter closed down shortly thereafter. The mine again filled with water and subsequently the main working shaft (North shaft) caved from water level to surface. In I938 the present owners retimbered this portion of the shaft. In I957 two leasers dewatered the North shaft but did no work there and in August of that year gave up the lease due to some disagreement between them. There has been no activity at the property since that time and it has again filled with water to a point 40' below tunnel level.

GEOLOGY:

Country rock is Yavapai schist. There are igneous intrusions close by on the northwest and southeast sides of the main structure.

ORE:

Ore is of the replacement type occuring in irregular shaped lenses. In the oxide zone the values are in gold, silver, and copper. In the sulphide zone in addition to the above there is some lead and zinc. The ore is much more siliceous than that in either the Hackberry or Iron King mines.

DEVELOPMENT:

Development work extends over a strike length of about 500 feet but is quite limited. There are three shallow shafts with some drifting, chiefly in the oxide zone, and a tunnel also in the oxides. The tunnel level horizon is about 40' above the sulphide zone and shows much silification. As shown on the longitudinal section the North shaft is 200' deep, the old main shaft I60', and the South shaft I90'. The mineralized zone extends both north and south of the developed strike length.

Lone Pine Mine Notes (Continued).

PRODUCTION & ORE VALUES:

A complete record of the ore shipped from the mine in the early days is not available. Records that are available show the following:

Prior to 1907 ,--	716 Tons	Au: -0.25 oz. Ag: -3.63 oz. Cu: -6.11%
1907 to 1930,--	1170 Tons	Au:- 0.21 oz. Ag:- 3.28 oz. Cu:- 6.45 %
Late 1940's(Gibbs)	734 Tons	Au:- 0.15 oz. Ag:- 2.90 oz. Cu;- 3.30 %
1957 L.Drake	143 Tons	Au:- 0.10 oz. Ag:- 1.11 oz. Cu:- 3.10 %
Total Tons (Weighted Average)	2763 Tons	Au:- 0.20 oz. Ag:- 3.16 oz. Cu:- 5.35 %

At the bottom of the South shaft (190') there is a crosscut which shows 25' of mineralization which per early sampling (prior to 1907) showed a weighted average of:

Au:- 0.09 oz.
Ag:- 1.53 oz.
Cu:- 1.70 %
Pb. and Zn. not determined.

A 7' section of this zone showed:

Au:- 0.16 oz.
Ag:- 2.62 oz.
Cu:- 2.61 %
Pb. and Zn. not determined.

In 1948 I dewatered this shaft and took a look at this crosscut with water still up to the armpits but did no sampling. This visual observation disclosed lead and zinc values and it seemed probable that the above assays may be correct. Due to circumstances which arose at the time I discontinued all operations so did not complete the dewatering now do any sampling.

In 1957, Dave Lowell, a geologist with Ranwick, Ltd. sampled the mineralization showing at the end of the crosscut at the south end of the drift on the bottom level of the North (200') shaft while I mapped the level. Water was still over knee deep so that the sampling was done under difficulties and I doubt that it was accurate. The channel sample that Lowell cut included about 4' of almost barren material on the footwall side.

ORE RESERVES:

There is an unknown tonnage of oxide ore above the tunnel level between the Main and South shafts. Probably not over a few thousand tons. There is no developed reserve in the sulphide zone.

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

LONE PINE MINE (3 Claims) ~~Aqua Fria~~ Big Bug Dist., YAVAPAI CO. 1-11-57
Mayer, Ariz.

Owner: Fred Gibbs, Prescott, Ariz.
Supt : R. P. McLeod, Mayer, Ariz.

COPPER De-watering shaft. 4 men

L.A.S.

LONE PINE MINE

Fred Gibbs
231 S. Mt. Vernon St.
Prescott, Ariz.

complete

~~zinc~~ 5.00 per cent. zinc

~~Capital requirements:~~ With copper at 14 cents, a mine plant costing $7,500 would be required in order to extract ore from this property. Ore would be treated in ~~xxmill~~ one of the two mills which owner proposes to install at the Hackberry and Boggs properties, nearby. ~~Or at least one of these mills should be installed, as two mills would be hardly needed. See reports on the said mines.~~ With the above investment, this mine should produce 450,000 pounds of copper yearly, starting 9 months after the said sum is made available.

mine

End

ARIZONA DEPARTMENT OF MINERAL RESOURCES
Capitol Building, Phoenix, Arizona

Name of property. Lone Pine Mine.

Location and accessibility of property. Big Bug Mining District of Yavapai County, Arizona. One mile from town of Humboldt, Arizona. Connected with State Highway and Branch of Santa Fe R.R. by half mile of fair auto road. Transportation facilities very good.

History of ownership. Located about 50 years ago and United States patent covering property issued to Lone Pine Mining Company in 1904. Property active from 1904 to 1907,- production ceased when Boggs smelter shut down in 1907. Operated by leasers in a small way at various times until purchased by present owner in 1938. Shaft retimbered and put in good shape in that year. No activity since, due to low copper price.

Production history. Original old production records not obtainable.

Smelter return records from some of leasers ore show the following: 1170 tons assaying 0.21 Au; 3.28 oz. Ag; 6.45% Cu.

These returns showed no assays for lead and zinc, but channel samples indicate that 1.5% lead and 5% zinc can be expected in this ore.

General geology (brief)

Schist replacement deposits. Yavapai schist locally consists of alternating belts of schist having an igneous origin and that have a sedimentary origin. Schists of igneous origin are the ones which have been replaced when subjected to mineralizing action arising from late intrusions of granite and diorite. No doubt of deep seated origin of deposits.

Ore occurrence.

As elipitical shaped lenses in the shhist,- long axis of lenses parallel with dip, and as bottom of lenses has not yet been reached they may perhaps better be classed as "shoots".

Ore reserve (quantities and values).

10,000 tons,- 0.20 Au: 3.00 Ag; 5.00% Cu. 1.5% Pb. 5% Zn.

Accessory metals of value.

Development work done.

One 200 foot shaft, vertical.
One 200 foot shaft, inclined.
2,000 feet of tunnels and drifts.

Plants (with capacity) already on property.

No plant.

Date 5-28-41 Signed Fred Gibbs.

LONE PINE MINE

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 Lone Pine Mine

Location Big Bug Mining District, Yavapai County, Arizona

Ownership Fred Gibbs, 231 S.Mt.Vernon St; Prescott, Ariz;

Name of Manager Same

Post Office address Same

Copper production (pounds) during each of the past five years: none

1936 ..... 1937 ..... 1938 .....

1939 ..... 1940 .....

1941 rate of copper production based upon first four months none

How much copper could this property produce annually

on a 14 cent price? 450,000

on a 16 cent price? 600,000

on an 18 cent price? same

on a 20 cent price? same

What price copper is necessary for this property? 14¢ cents per pound?

What plant facilities would be required and how much is the estimated cost in the event a 14 cent price could be assured? Mine plant costing $7500,-milling would be done at mill which would be installed for Hackberry-Boggs properties as outlined under description of those properties.

a 16 cent price could be assured? Same

18 cent price? Same

20 cent price? Same

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

(over)

How long would it take, after financing has been provided for, before production on the above basis could be reached? Nine months

Does your organization have the facilities for raising the necessary capital to increase production to the amount stated? No

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? No

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

I would be eagar to participate in such a plan.

What would be your ideas on financing and carrying out such a plan as is indicated by these questions? Finances to be provided thru Mine Loans Division of R.F.C.

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

Date 5-28-41 Signed Fred Gibbs

LONE PINE MINE

The Lone Pine mine is located in the Big Bug district of Yavapai County, Arizona, one mile from the town of Humboldt, and is connected with Highway 69 and a branch of the Atchison, Topeka and Santa Fe Railroad by a one-half mile fair truck road. It is owned by Fred Gibbs, 231 South Mt. Vernon Street, Prescott, Arizona.

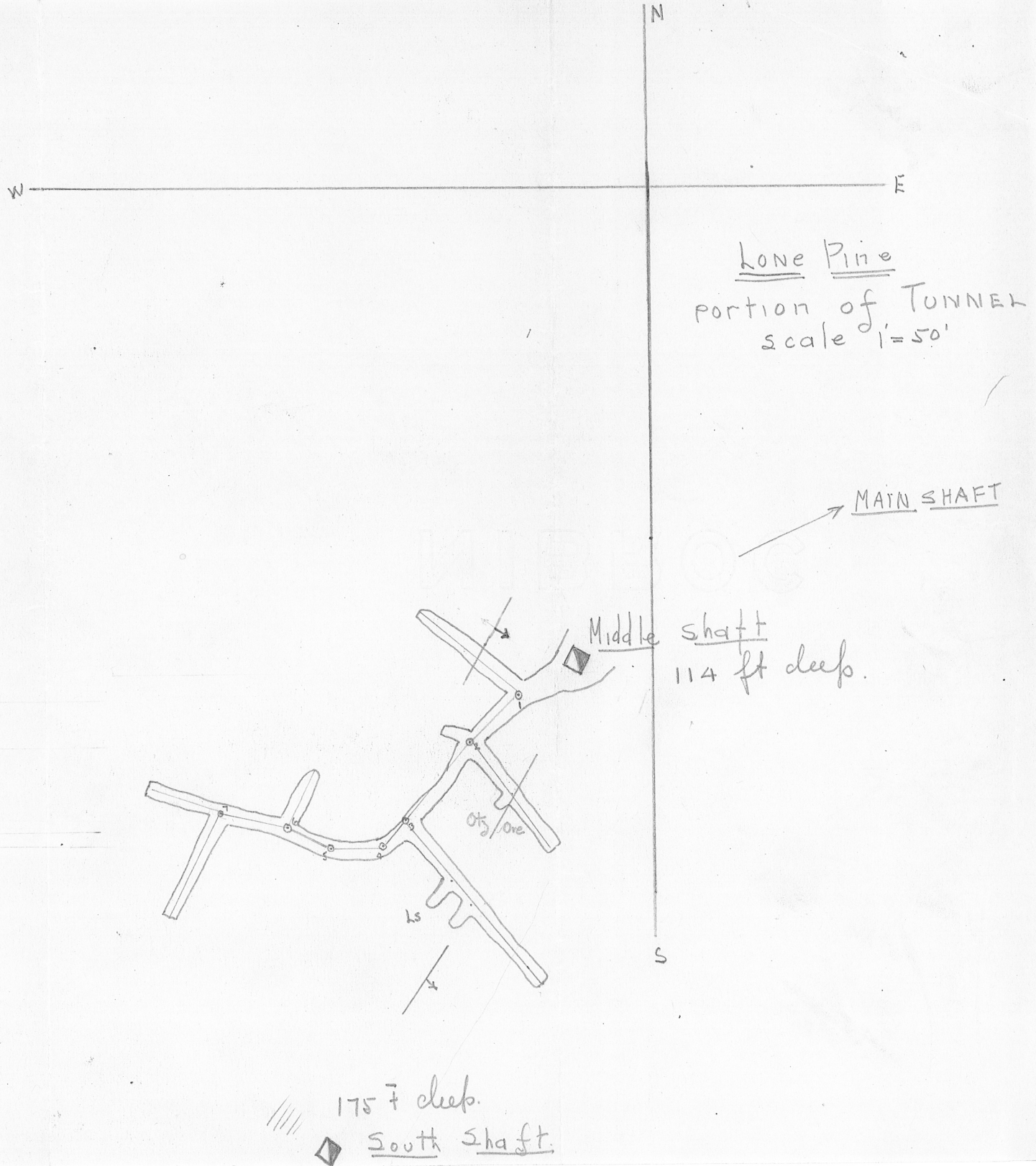
This mine was located about 50 years ago and was actively worked from 1904 to 1907, when the Boggs smelter ceased operations and it was necessary to shut the mine down. Since that time the mine has been worked by lessees in a small way.

Ore occures as replacements in schist of igneous origin, associated with schists of sedimentary origin; these alternating with each other. Replacement in the igneous schists was caused by mineralizing action arising from later intrusions of granite and diorite. Ore is found in eliptical-shaped lenses, the long axes paralleling the dip. As bottom of these lenses have not been reached, they may perhaps better be classified as "shoots".

The mine is developed by a 200-foot vertical shaft, a 700-foot inclined shaft, and 2,000 feet of tunnels and drifts. This development has established a positive ore reserve of 10,000 tons, averaging 0.20 ounce of gold to the ton, 3.0 ounces of silver, 5.0 per cent copper, 1.5 per cent lead, and 5.0 per cent zinc.

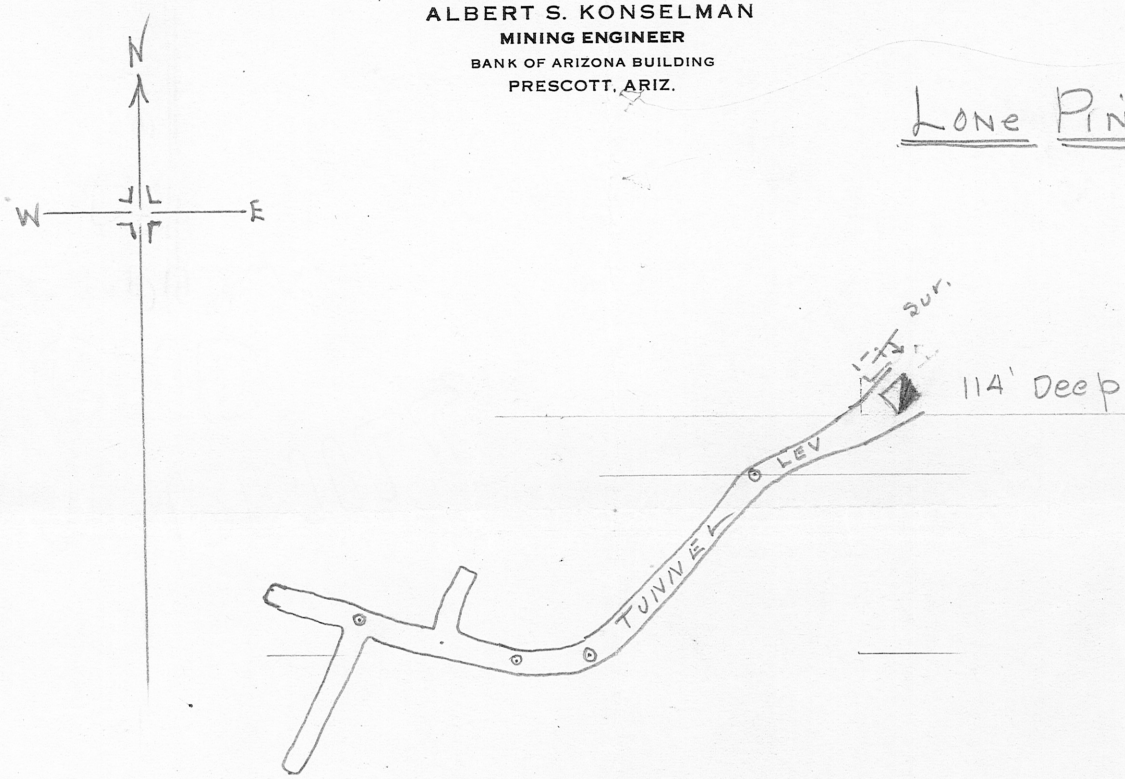
With copper at 14 cents, a mine plant costing $7,500 would be required in order to extract ore from this property. Ore would be treated in one of the two mills which owner proposes to install at the Hackberry and Boggs properties, nearby.

With the above investment, this mine should produce 450,000 pounds of copper yearly, ~~starting~~ It would require nine months ~~after the said sum is made available.~~ to equip the mine and get production started.


N
W
E
S
Lone Pine
portion of Tunnel
scale 1'=50'
MAIN SHAFT
Middle shaft
114 ft deep.
Obj. Ore
LS
175 ft deep.
South Shaft.

ALBERT S. KONSELMAN
MINING ENGINEER
BANK OF ARIZONA BUILDING
PRESCOTT, ARIZ.

Lone Pine (Pat



1,000,000
2'

S. shaft
175' deep.

Located at Huron - 2 Pat claims. Homer Wood rep.
Assays of picked specimens.

		Cu	Ag.	*	
1) Gossan at S shaft		.58 -	23.4	- 23.53	per T.
Lemanite?	"	.22	4.8	- 6.84	" Cu. 3.7 %
"	"	.46	8.5		" 6.2 %
Sulphide N	"	.28	1.1		" 8.0 %

Main Shaft 300 ft - 300+ ft work on 300 level claim
8' of 8% Cu ore on 300.

Affidavit of Five Hundred Dollars Improvements.

We, George Rohpeter, and Mike Duncan

of lawful age, being first duly sworn according to law, depose and say: That we are acquainted with the Lone Pine, Admiral and Corporal mining claims, situate in Big Bug Mining district, Yavapai County, Arizona Territory, for which The Lone Pine Mining Company

have made application for survey prior to application for patent under the provisions of the Act of Congress, approved May 10, 1872; and that the labor done and improvements made thereon by the applicants and their grantors exceed Five Hundred Dollars in value, and further that we are not personally interested in said mine.

Witness to mark:
K. Flora
B. Meader

George Rohpeter
his
Mike Duncan X
mark

TERRITORY OF ARIZONA,
County of Yavapai } ss:

Sworn to and subscribed before me, this 23rd day of January, 1903

SEAL.

Jacob Skred

(4—683.)

Mineral Survey No. 1747

Lot No. .....

Prescott Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

The Lone Pine Mining Co.

KNOWN AS THE

Lone Pine, Admiral and Corporal Claims

Big Bug Mining District,

Yavapai County, Arizona

Section 34 (approx.) Township 13 N, Range 1 E

Surveyed under instructions dated Dec 27th 1902

by A B Mader

Deputy Mineral Surveyor

Claim located See location notices 1

Survey commenced Dec. 31st 1902.

Survey completed Jan. 1st 1903

o 6—163

Address

J. J. Hawkins, Atty.

Prescott, Ariz.

PRELIMINARY OATHS OF ASSISTANTS IN SURVEY OF MINING CLAIM.

WE, George Rohrpeter and Mike Duncan, do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level the chain upon even and uneven ground and plumb the tally-pins, either by sticking or dropping the same; that we will report the true distance to all notable objects, and the true length of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the Mining Claim of The Lone Pine Mining Company known as the Lone Pine, Admiral and Corporal situate in Big Bug mining district Yavapai County, Arizona, in Section ....., Township No. ....., Range No. .....

George Rohrpeter, Chainman.

his
Mike Duncan, Chainman.
mark

Subscribed and sworn to by the above-named persons before me this 31 day of December, 190 2

R. B. Burrows
Notary Public

I, ..., do solemnly swear that I will well and truly perform the duties of axman, in the establishment of corners and other duties, according to instructions given me and to the best of my skill and ability, in the survey of the Mining Claim of .....

known as the .....
more fully described in the preceding affidavit.

....., *Axman.*

Subscribed and sworn to by the said .....
.....before me this .....day of
....., 190....

.....

I, ..., do solemnly swear that I will well and truly perform the duties of flagman, in the establishment of corners and other duties, according to instructions given me and to the best of my skill and ability, in the survey of the Mining Claim of .....

known as the .....
more fully described in the preceding affidavit.

....., *Flagman.*

Subscribed and sworn to by the said .....
.....before me this .....day of
....., 190....

.....

Survey No. 1747.

Lone Pine Lode.

Feet	
	Beginning at Cor. No. 1.
	Identical with cor. of the location and with cor. no. 2 of the Corporal lode of this survey.
	A blue schist stone 3 x 14 x 20 in. set 12 in. in the ground and chiseled 1 L P 1747 and raised a mon. of stones 3 ft. base by 3 ft. high alongside, whence U. S. L. Mon. No. 1538, Big Bug M'ng Dis. bears S 89°-23' W, 5956 ft.
	No bearings available.
	Thence N22°- 50' E
10	Cross gulch diagonally, 8 ft. wide, course N, bears S.
87	Cross gulch 3 ft. wide, course N45° W bears S 45° E.
	over brushy side hill
750	To the West Side Center.
	Identical with the location.
	A mon. of stones 3 ft. base by 3 ft. high.
1500	To cor. no. 2.
	Identical with the location and with cor. no. 1 Admiral lode of this survey.
	A schist stone 12 x 3 x 20 in. set 12 in. in the ground and chiseled 2 L P 1747 and raised a mon. of stones 3 1/2 ft. base by 3 1/2 ft. high alongside.
	No bearings available.
	Thence S 67°-10' E
25	Cross gulch 5 ft. wide, course N 30° W, bears S 30° E.
212	Cross wagon road, bears N and S.
300	To the North Center End.
	Identical with the location and with the S. C. End of the Admiral lode of this survey.
	A porphyry stone 8 x 10 x 17 in. set 12 in. in the ground and chiseled N C E L P 1747 and raised a mon. of stones 3 1/2 ft. base by 4 ft. high alongside.
	No bearings available.
	thence up steep hill
600	To Cor. No. 3.
	Identical with cor. of the location and with cor. no. 4 of the Admiral lode of this survey.
	A schist stone 3 x 15 x 30 in. set 12 in. in the ground and chiseled 3 L P 1747 and raised a mon. of stones 3 1/2 ft. base by 3 1/2 ft. high alongside.
	No bearings available.
	Thence S 22°-50' W
310	Cross gulch, 2 ft. wide Course N 70° W bears S 70° E.
650	Cross road diagonally, bears N and S.
660	head of gulch course N.
750	To the East Side Center.
	Identical with the location.
	A mon. of stones 3 ft. base by 3 ft. high.
865	Cross road, bears S 50° W and N 23° E.
1345	Cross gulch, 3 ft. wide course N85° W bears S 85° E.
1500	To Cor. No. 4.
	Identical with Cor. of the location and with Cor. No. 3 of the Corporal lode of this survey.
	A white schist stone 4 x 15 x 22 in. set 12 in. in the ground and chiseled 4 L P 1747 and raised a mon. of stones 3 ft. base by 3 1/2 ft. high alongside.
	No bearings available.

Feet

Thence N 67°-10' W

300 To the South Center End.
Identical with the location and with the N. C. End of the Corporal lode of this survey.
A schist stone 6 x 7 x 24 in. set 12 in. in the ground and chiseled S C-E L P 1747 and raised a mon. of stones 3 ft. base by 3 1/2 ft. high alongside.
No bearings available.
down hill
595 Cross gulch 8 ft. wide course N 10° W bears S
600 To the place of beginning.

The variation at all the corners is 14° E.

This claim is located in the Big Bug M'ng District Yavapai Co. Arizona, on unsurveyed land, approximately in Sec. 34, Tp. 13 N, R 1 E, G. and S. R. Mer.
After diligent search no corners of ~~the~~ subdivisional survey were found within 2 miles of the claim.

Adjoining Claims.

To the North-- the Admiral lode of this survey.
To the South-- the Corporal lode of this survey.
To the East--- U. S. Public Land.
To the West--- U. S. Public Land.

Ledge.

The course and length of the ledge on the Bone Pine claim is from the discovery mon. S 22°-50' W. 578 ft. to the South Center End and from the discovery mon. N 22°-50' E. 922 ft. to the North Center End, and is traceable by croppings.

Feet

Beginning at Cor. No. 1.
Identical with cor. of the location and with cor. No. 2 of the Lone Pine lode of this survey.
A schist stone 12 x 3 x 20 in. chiseled 1 A 1747, with mon. of stone alongside, whence
U. S. L. Mon. No. 1538, Big Bug M'ng Dis. bears S 77°-21' W, 6605.4 ft.
No bearings available.

Thence N 22°-50' E

25 Cross gulch, 4 ft. wide, course N 45° W bears S 45° E.
250 Cross road, bears N W and S E.
300 Cross gulch, 4 ft. wide, course N45° W and S 45° E.
750 To the West Side Center.
Identical with the location.
A mon. of stones 3 ft. base by 3 ft. high.
945 Cross gulch, 2 ft. wide, course N 35° W bears S 60° E.
1420 Cross gulch, 2 ft. wide course N 20° W bears S 35° E.
1500 To Cor. No. 2.
Identical with cor. of the location.
A schist stone 12 x 4 x 26 in. set 12 in. in the ground and chiseled 2 A 1747 and raised a mon. of stones 3 ft. base by 3 ft. high alongside.
No bearings available.

Thence S 67°-10' E

up steep hill
300 To the North Center End
Identical with the location, and with the S. C. End of the Calumet claim, claimants unknown, unsurveyed.
A schist stone 3 1/2 x 11 x 25 in. set 12 in. in the ground and chiseled N C E A 1747, and raised a mon. of stones 3 ft. base by 3 ft. high alongside.
thence up steep hill
590 top of ridge, bears N 25° E and S 25° W.
600 To Cor. No. 3.
Identical with cor. of the location.
A porphyry stone 4 x 12 x 20 in. set 12 in. in the ground and chiseled 3 A 1747 and raised a mon. of stones 3 ft. base by 3 ft. high alongside.
No bearings available.

Thence S 22°-50' W

750 To the East Side Center.
Identical with the location.
A mon. of stone 3 ft. base by 3 ft. high.
down hill
150 Cross gulch, 2 ft. wide, course N 50° W bears S 50° E.
500 To Cor. No. 4.
Identical with cor. of the location and with cor. No. 3 of the Lone Pine lode of this survey.
A schist stone 3 x 15 x 30in. chiseled 4 A 1747 with a mon. of stones alongside.

Thence N 67°-10' W.

down steep hill
750 To the South Center End.
Identical with the location and with the N. C. End of the Lone Pine lode of this survey.
A porphyry stone 8 x 10 x 17 in. chiseled S C E A 1747

Survey No. 1747.

Corporal Lode.

Feet

Beginning at Cor. No. 1.
Identical with cor. of the location.
A quartzite stone, 6 x 10 x 16 in. set 10 in. in the ground to bedrock and chiseled 1 C 1747 and raised a mon. of stone 2 1/2 ft. base by 3 ft. high alongside, whence U. S. L. Mon. No. 1538, bears N 76° 4' W, 5327.5 ft.
No bearings available.
Cor. No. 1 of Putnam lode Survey No. 1633, bears S 3°-12' W, 2981.1 ft.

Thence N 24°-38' E

750 To the West Side Center.
Identical with the location.
A mon. of stones 3 ft. base by 3 ft. high.
down steep rocky hill

1500 To Cor. No. 2.
Identical with cor. of the location and with cor. no. 1 of the Lone Pine lode of this survey.
A blue schist stone, 3 x 14 x 20 in. chiseled 2 C 1747 with a mon. of stones alongside.
No bearings available.

Thence S 67°- 10' E.

5 Cross gulch, 8 ft. wide, course N 10° W bears S.
up hill

300 To the North Center End.
Identical with the location and with the S. C. End of the Lone Pine lode of this survey.
A schist stone 6 x 7 x 24 in. chiseled N C E C 1747 with a mon. of stones alongside.
No bearings available.

600 To Cor. No. 3.
Identical with cor. of the location and with cor. Cor. No. 4 of the Lone Pine lode of this survey.
A white schist stone 4 x 15 x 22 in. chiseled 3 C 1747 with a mon. of stones alongside.
No bearings available.

Thence S 24°-38' W

335 Cross gulch 7 ft. wide, course N 45° W bears S 45° E.

750 To the East Side Center.
Identical with the location.
A mon. of stones 3 ft. base by 3 ft. high.

1500 To Cor. No. 4.
Identical with the location.
A greenstone 4 x 10 x 18 in. set 12 in. in the ground and chiseled 4 C 1747 and raised a mon. of stones 3 ft. base by 3 1/2 ft. high alongside.
No bearings available.

Thence N 67°- 10' W

up hill

300 To the South Center End
Identical with the location.
A schist stone 6 x 14 x 28 in. set 12 in. in the ground and chiseled S C E C 1747, and raised a mon. of stones 2 1/2 ft. base by 3 1/2 ft. high alongside.
No bearings available.

600 top of hill
down hill gradually

600 To the place of beginning.

Corporal Lode.

Text

The variation at all the corners is 14° E.

This claim is located in the Big Bug Mine Dis. Yavapai Co. Arizona, on ~~a~~ surveyed land, approximately in Sec. 34, Tp. 13 N, R 1 E, G. and S. R. Mer. After diligent search no corners of ~~the~~ public land survey were found within 2 miles of the claim.

Adjoining Claims.

To the North--the Lone Pine lode of this survey.
To the South--unknown claim, unsurveyed, claimants not known.
To the East--U. S. Public Land.
To the West-- U. S. Public Land.

Ledge.

The course and length of the ledge on the Corporal lode is from the Dis. Shaft, N 24°-32' E, 250 ft. to the N. C. End, and is from the Dis. Shaft S 24°-32' W, 1250 ft. to the S. C. End.

[illegible]

[illegible]:

I certify that the value of the labor and improvements upon these claims placed thereon by the claimants and their grantors is not less than FIVE HUNDRED DOLLARS per claim, and that said improvements consist of:

Lone Pine Lode:

Dis. Shaft No. 1, Which bears from Cor. No. 4, N 4°-38' W, 651 ft. and is 4 x 6 x 180 ft. deep, timbered, with a drift at the bottom to the North, 4 x 6 x 60ft. to the South, 4 x 6 x 25 ft. and a cross cut to the East, 4 x 6 x 30 ft. Value, Shaft, $2000.00, Drifts, $1000.00
Total Value------ ---$3000.00

Shaft No. 2, which bears from Cor. No. 4, N 0°-10' W, 738 ft., and is 4 x 6 x 10 ft. deep, Value----------$100.00

Shaft No. 3, which bears from Cor. No. 4, N 0°-45' E, 746 ft. and is 4 x 6 x 15 ft. deep, Value----------$150.00

Shaft No. 4, which bears from Cor. No. 4, N 2°-15' E, 797 ft., and is 4 x 6 x 35 ft. deep, Value ---------$300.00

Shaft No. 5, which bears from Cor. No. 4, N 3°-20' E, 840 ft. and is 4 x 6 x 160 ft. deep, timbered, Value, -------- $1800.00

Shaft No. 6, which bears from Cor. No. 3, S 41°-30' W, 634 ft. and is 4 x 6 x 15 ft. deep and a drift to the West of 4 x 6 x 10 ft. Total Value---------$175.00

Shaft No. 7, which bears from Cor. No. 3, S 83°-10' W, 440 ft. and is 4 x 6 x 130 ft. deep, timbered, Value-----$1500.00

Shaft No. 8, which bears from the South Center End, N 88° E, 280 ft., and is 4 x 6 x 10 ft. deep, Value---------$100.00

Cut No. 9, which bears from Cor. No. 3, S 46°-32' W, 570 ft. and is 4 ft. wide by 30 ft. long by 12 ft. face.
Value----------$300.00

Cut No. 10, which bears from Cor. No. 1, N 40°-55' E, 828 ft. and is 19 ft. wide by 27 ft. long by 6 ft. face.
Value----------$500.00

Cut No. 11, which bears from Cor. No. 1, N 42°-30' E, 810 ft. and is 21 ft. wide by 21 ft. long by 4 ft. face.
Value----------$250.00

Tunnel No. 12, which bears from Cor. No. 3, S 45°-25' W, 445 ft. and is 4 x 6 x 320 ft. long. Value----------$2000.00

Shaft No. 13, which bears from the North Center End, S 41°-10' E and is 4 x 6 x 10 ft. deep, Value--------- $100.00

Total Value for Lone Pine Lode--$10175.00

Admiral Lode:

Dis. Shaft No. 1, which bears from Cor. No. 4, N 46°-30' W, 318 ft. and is 5 x 6 x 10 ft. deep, Value----------$100.00

Survey No. 1747

TWO HUNDRED DOLLARS EXPENDITURE.

Admiral Lode Con.

Shaft No. 2., which bears from Cor. No. 4, N 35°-40' W, 325 ft. and is 4 x 6 x 12 ft. deep Value----------$100.00

Shaft No. 3, which bears from Cor. No. 4, N 36°-30' W, 245 ft. and is 4 x 6 x 11 ft. deep Value----------$100.00

Shaft No. 4, which bears from Cor. No. 4, N 41°-20' W, 330 ft. and is 4 x 6 x 7 ft. deep Value----------$100.00

Shaft No. 5, which bears from Cor. No. 4, N 2°-50' W, 697 ft. and is 4 x 6 x 50 ft. deep with a crosscut at bottom to the East of 4 x 6 x 25 ft. Total Value---------
This work was not done by claimants or their grantors.

Cut No. 6, (mouth of) which bears from Cor. No. 4, N 4°-40' E, 718 ft. and is 3 ft. wide by 40 ft. long by 12 ft. face, bearing S 70 W, with a shaft at the face 4 x 6 x 4 ft. deep
Total Value---------$250.00

Total Value for Admiral lode--------$650.00

Corporal Lode:

Dis. Shaft No. 1, which bears from Cor. No. 3, S 73°-40' W, 395 ft. and is 4 x 6 x 10 ft. deep Value----------$100.00

Shaft No. 2, which bears from Cor. No. 3, S 81°-30' W, 380 ft. and is 4 x 6 x 12 ft. deep Value----------$100.00

Shaft No. 3, which bears from Cor. No. 3, N 84°-40' W, 330 ft. and is 4 x 6 x 10 ft. deep Value----------$100.00

Shaft No. 4, which bears from Cor. No. 2, S 1° E, 105 ft. and is 4 x 6 x 55 ft. deep timbered, Value---------$600.00

Shaft No. 5, which bears from Cor. No. 3, S 66°-5' W, 422 ft. and is 4 x 6 x 10 ft. deep Value----------$100.00

Cut No. 6, which bears from Cor. No. 3, S 72°-25' W, 430 ft. and is 4 ft. wide by 15 ft. long by 12 ft. face
Value ---------$100.00

Shaft No. 7 which bears from Cor. No. 1, N 41°-20' E, 680 ft. and is 4 x 6 x 10 ft. deep.
This work was not done by claimants.

Total Value for Corporal Lode------$1100.00

Grand Total for three claims----------$11925.00

This survey was made with a Gurley Light Mt. Transit with solar attachement.
The courses were deflected from the true meridian as determined by solar observation. The distances were measured with a 200 ft. steel tape.

A. B. Mader

U. S. Dep. Min. Surveyor.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

List of the names of the individuals employed by A. B. Meader as the Deputy Mineral Surveyor, to assist in running, measuring, and marking the lines and boundaries described in the foregoing field notes of the survey of the mining claim of Lone Pine Mining Company as the Lone Pine, Admiral and Corporal, showing the respective capacities in which they acted.

George Rohpeter, Chainman.
Mike Duncan, Chainman.
....., Axman.
....., Flagman.

FINAL OATHS OF ASSISTANTS.

We, George Rohpeter and Mike Duncan, do solemnly swear that we assisted A. B. Meader, United States Deputy Mineral Surveyor, in marking the corners and staking the boundaries of the mining claims of The Lone Pine Mining Company known as the Lone Pine Admiral and Corporal represented in the foregoing field notes as having been surveyed by said deputy mineral surveyor and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, faithfully and correctly executed, and the corner and boundary monuments established according to law and the instructions furnished by the United States Surveyor-General for Arizona.

Witness to mark
E. Flora
A. Meader

George Rohpeter, Chainman.
Mike his X mark Duncan, Chainman.
....., Axman.
....., Flagman.

Subscribed and sworn to by the above-named persons before me this 23rd day of January 1902

R. B. Burnside
Notary Public

(4—686.)

FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR

I, A. B. Mader, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated Dec. 27th 1902, , I have, in strict conformity to the laws of the United States, the official regulations and instructions thereunder, and the instructions of said Surveyor General, faithfully and correctly executed the survey of the Mining Claim of The Lone Pine Mining Co., known as the Lone Pine, Admiral and Corporal Claims, situate in Big Bug Mining District, Yavapai County, Arizona, in Section 34 (lots 1 & 2), Township No. 13 N, Range No. 1 E, G & S. R. Mer. and designated as Survey No. 1747, as represented in the foregoing field notes, which accurately show the boundaries of said mining claim as distinctly marked by monuments on the ground, and described in the attached copy of the location certificate, which was received by me from the Surveyor General with said instructions, and that all the corners of said survey have been established and perpetuated in strict accordance with the law, official regulations and instructions thereunder; and I do further solemnly swear that the foregoing are the true and original field notes of said survey and my report therein, and that the labor expended and improvements made upon said mining claim by claimant or its grantors are as therein fully stated, and that the character, extent, location and itemized value thereof are specified therein with particularity and full detail, and that no portion of said labor or improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.

A. B. Mader
U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said A. B. Mader U. S. Deputy Mineral Surveyor, before me Stuart Jacobs this 20th day of January 1903.

Stuart Jacobs
Notary Public.

My Commission expires Sept. 3, 1904.

o 3—154

"CORPORAL"

NOTICE OF MINING LOCATION.
Quartz Claim.

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the Corporal Mining Claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purpose of exploration and purchase by George Rohpeter & Clifton Lewis, the undersigned, on the 18 day of Jan. 1899.

The length of this claim is 1500 feet, and claim 1250 feet in a Southern direction and 250 feet in a Northern direction from the center of the discovery shaft, at which this Notice is posted, lengthwise of the claim, together with 300 feet in width of the surface ground, on each side of the center of said claim. The general course of the lode deposit and premises is from the North to the South.

The claim is situated and located in the Big Bug Mining District, in Yavapai County, in the Territory of Arizona, about 3-4 of a mile in a Northern direction from The [illegible] Patented Mine.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a stone monument at a point in a northern direction 250 feet from the discovery shaft (at which this notice is posted), being in the center of the end line of said claim; thence 300 feet to a monument being the North E. corner of said claim; thence 750 feet to a monument at the center of the East side line of said claim; thence 750 feet to a monument being at the S.E. corner of said claim; thence 300 feet to a monument at the center of the South end of said claim; thence 300 feet to a monument, being at the S. W. corner of said claim; thence 750 feet to a monument being at the center of the West side line of said claim; thence 750 feet to a monument at the N. W. corner of said claim; thence 300 feet to the place of beginning.

All done under the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of the United States, and of an Act of the General Assembly of Arizona, entitled "An Act Concerning Mines", approved March 10th, 1895.

Dated and posted on the ground this 18 day of Jan. 1899.

Geor e Rohpeter
Clifton Lewis.

Filed and recorded at request of George Rohpeter, April 17" A. D. 1899, at 3:00 o'clock P. M., Book 50 of Mines, page 609, Records of Yavapai County, Arizona.

(Seal) T. I. Johnson, County Recorder.
By W. J. Farley, Deputy Recorder.

****

"LONE PINE"

AMENDED NOTICE OF LOCATION.

Territory of Arizona,)
:SS.
County of Yavapai.)

KNOW ALL MEN BY THESE PRESENTS: That I, George Rohpeter, of the County of Yavapai and Territory of Arizona, the undersigned, have this 10th day of October, A. D. 1898, amended, located and claimed, and by these presents does amend, locate and claim by right of discovery and amended location in compliance with the Mining Acts of Congress, approved May 10th, 1872, and all subsequent acts, and with local customs, laws and regulations 1500 linear feet and horizontal measurement on the Lone Pine lode, vein, ledge or deposit, along the vein thereof, with all its dips, angles and variations, as allowed by law, together with 300 feet on each side of the middle of said vein at the surface, so far as can be determined from present developments, and all veins, lodes, ledges or deposits and surface ground within the limits of said claim, 300 feet running Southerly from discovery monument and 300 feet running Northerly from discovery monument; said discovery monument being situated upon said lode, vein, ledge or deposit and within the limits of said claim, in the Big Bug Mining District, County of Yavapai and Territory of Arizona, described by metes and bounds as follows: Commencing at a stone monument at a point in a southerly direction 60 feet from the discovery shaft, at which this notice is posted, being in the center of the south end line of said claim; thence 300 feet westerly to a stone monument, being the S. W. corner of the claim; thence northerly 750 feet to a stone monument at the center of the west side line of said claim; thence northerly 300 feet to a stone monument, being at the N. W. corner of the said claim; thence easterly 300 feet to a stone monument at the center of the north end line of said claim; thence southerly 750 feet to a stone monument being at the N. E. corner of the said claim; thence southerly 750 feet to a stone monument being at the center of the East side line of the said claim; thence southerly 750 feet to a stone monument at the S. E. corner of the said claim; thence Westerly 300 feet to the place of beginning.

This claim is situated about one mile in a northerly direction from the Boggs mine, which is patented and about two and one half miles N. E. of Big Bug.

This being the lode originally located on the Second day of January, A. D. 1883, and recorded on the ninth day of January, A. D. 1882, in Book 13 of Mines, at pages 458 & 459, in the office of the Recorder of the County of Yavapai, Arizona.

This further and amended certificate of location is made without waiver of any previously acquired rights, but for the purpose of correcting any errors in the original location, description or record.

Date of location, January 3rd, 1883.
Date of amended certificate, October 10th, 1898.

George Rohpeter (Seal)

Recorded at request of George Rohpeter, October 10" A. D. 1898, at five o'clock P. M., in Book 51 of Mines, pages 30-32, records of Yavapai County, Arizona.

(Seal) W. I. Johnson, County Recorder

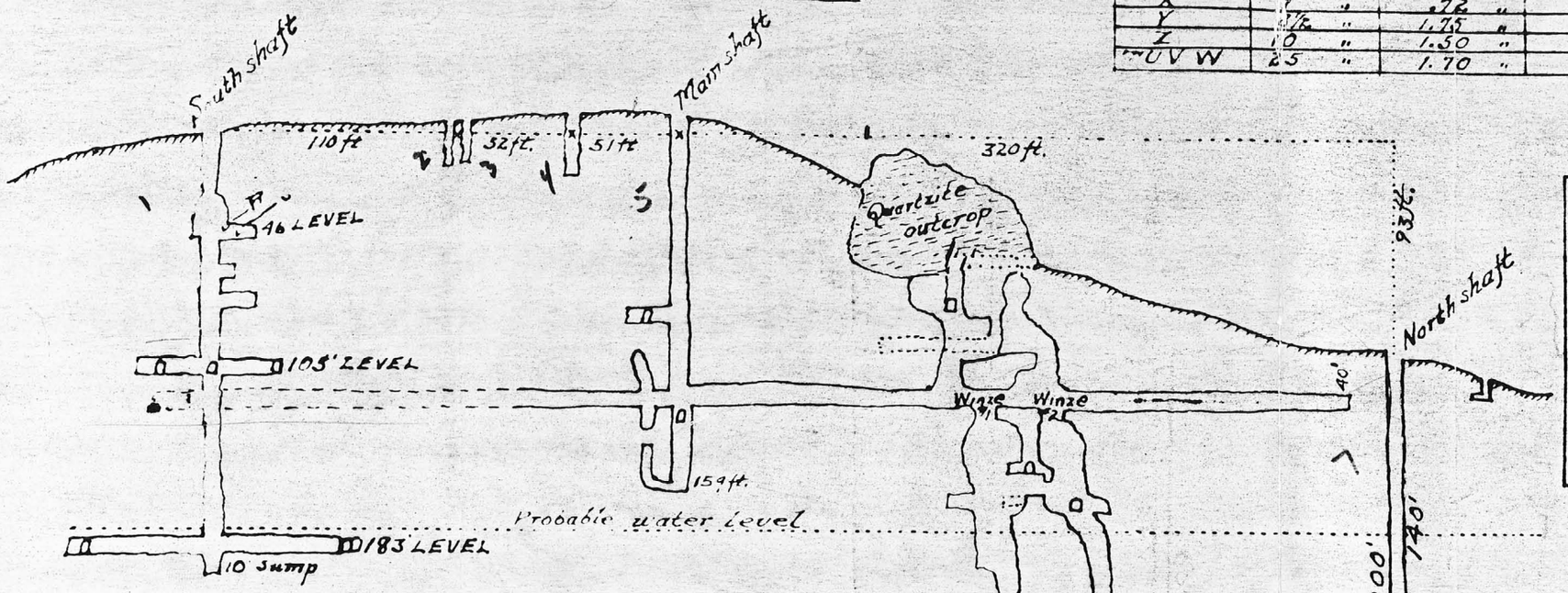
By C. A. Everett, Deputy.

1907 PRODUCTION			
716.569 Tons aggregating following:-			
Gold	166.033 ozs. =	average of	.2317 ozs.
Silver	2601.687 ozs. =	"	" 3.631 "
Copper	91088 lbs. =	"	" 6.118 %
Iron	204235 lbs. =	"	" 14.25 %

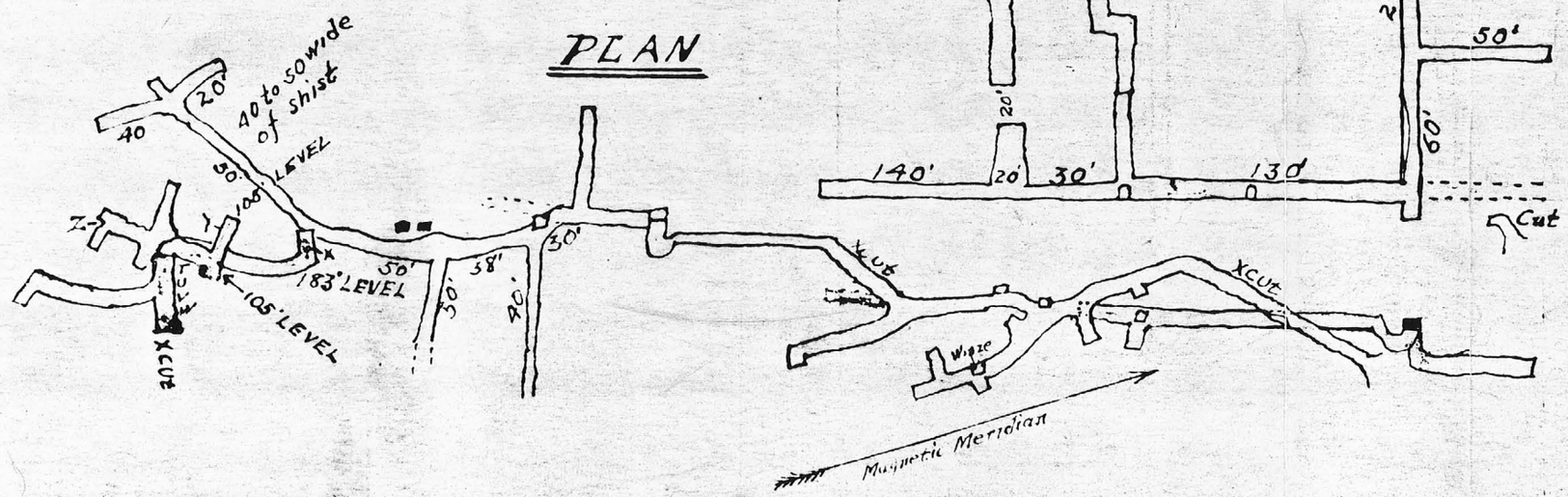
LONE PINE MINE WORKINGS

Scale: 1 inch = 10 feet

Long Section



PLAN



Samples South Shaft

Name	Width	Copper	Gold	Silver
R	2½ ft	2.71 %	.20 ozs.	8.46 ozs
S	1 "	1.82 "	.28 "	4.50 "
T	6½ "	1.12 "	.04 "	.78 "
× U	7 "	2.61 "	.16 "	2.62 "
V	3½ "	.50 "	.02 "	.30 "
W	8 "	1.90 "	.10 "	1.74 "
X	7 "	.72 "	.05 "	.95 "
Y	7½ "	1.75 "	.10 "	.88 "
Z	10 "	1.50 "	.06 "	.34 "
UVW	25 "	1.70 "	.09 "	1.54 "

Representative of TUVW Sulphides		
Zn.	.30	%
As.	.35	"
Sb.	Trace	
Cu.	3.67	"
Bi.	.08	"
Fe.	16.05	"
Au.	.175 ozs.	
Ag.	3.92	"

Summer 1904

PHONE 445 5111

500 PARK AVENUE

WILLIAM J. CHEEK
CONSULTING CIVIL ENGINEER
P. O. BOX 1342
PRESCOTT, ARIZONA
86301

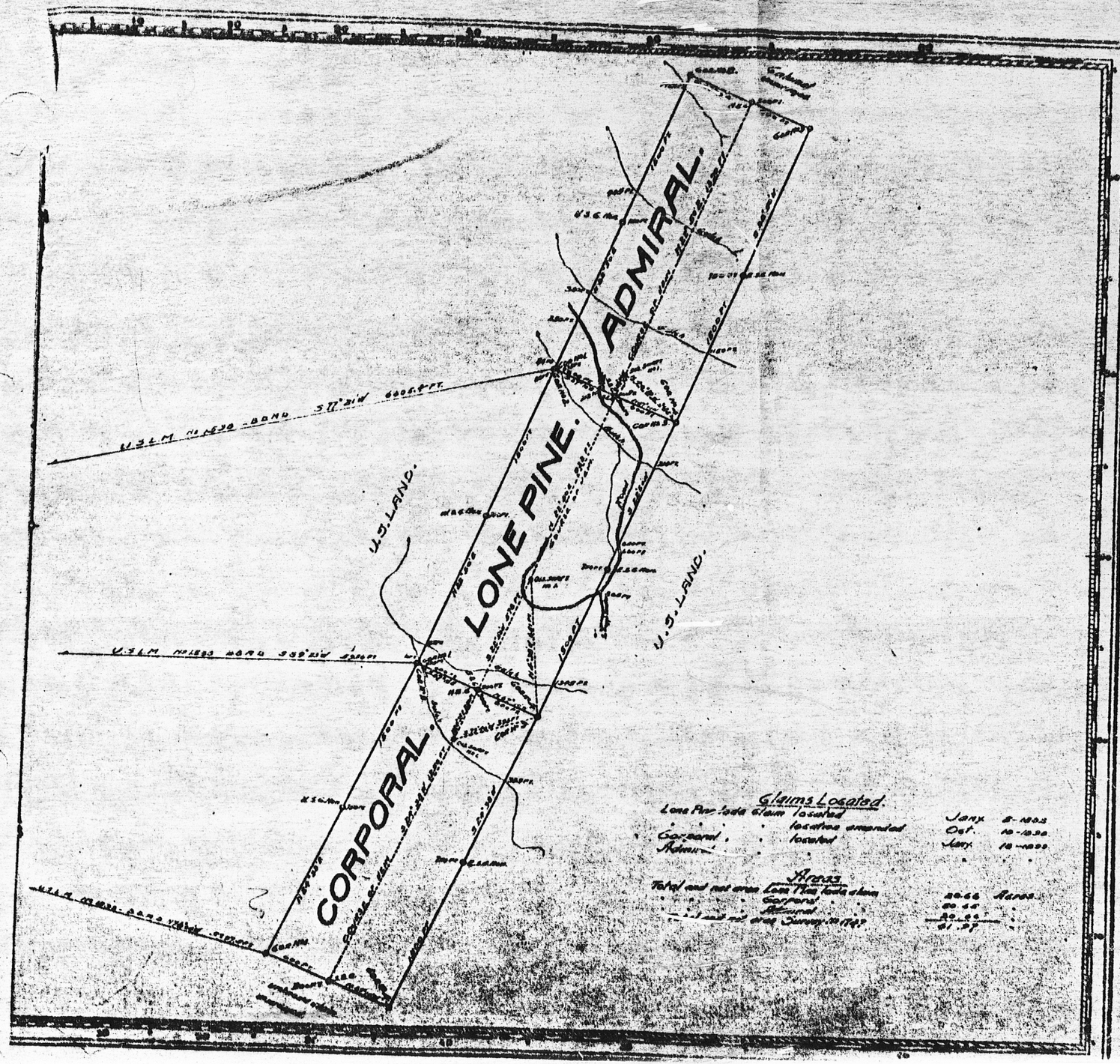
August 21, 1977

Mr. Jacob Skrede
P.O. Box 1866
Prescott, Arizona

Re: Lone Pine Claim

Man in Field Laying Out Panels for Aerial Photo, 5 3/4 Hours @ $16.00 per Hour.....	$ 92.00
Travel, 42 Miles @ 15¢ per Mile.....	6.30
Paid to Aerial Mapping Co. for Photo.....	40.00
Total	$ 138.30

Received Check
Sept 20th 1977
W J Cheek
by R L M.



Claim Located 190

Mineral Survey No 1747

Lot No

Prescott Land District.

PLAT

OF THE CLAIM OF

The Lone Pine Mining Co.

KNOWN AS THE

LONE PINE.

ADMIRAL.

CORPORAL.

IN BIG BUG MINING DISTRICT,

YAVAPAI COUNTY, ARIZONA.

Containing an area of 41.97 Acres.

Scale of 400 feet to the inch.

Variation 15° E.

SURVEYED Dec. 31, 1903 to Jan. 1, 1905 BY

A. M. Master,

U.S. Deputy Mineral Surveyor.

The Original Field Notes of the Survey of the Mining Claim of The Lone Pine Mining Co. known as the

LONE PINE,

ADMIRAL,

CORPORAL,

from which this plat has been made under my direction, have been examined and approved, and are on file in this Office; and I hereby certify that they furnish such an accurate description of said Mining Claim as will, if incorporated in a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the locus thereof.

I further certify that Five Hundred Dollars worth of labor has been expended or improvements made upon said Mining Claim by claimants or its grantors, and that said improvements consist of 10 Shafts, 3 Tunnels, 1 Cross Cut, 3 Drifts.

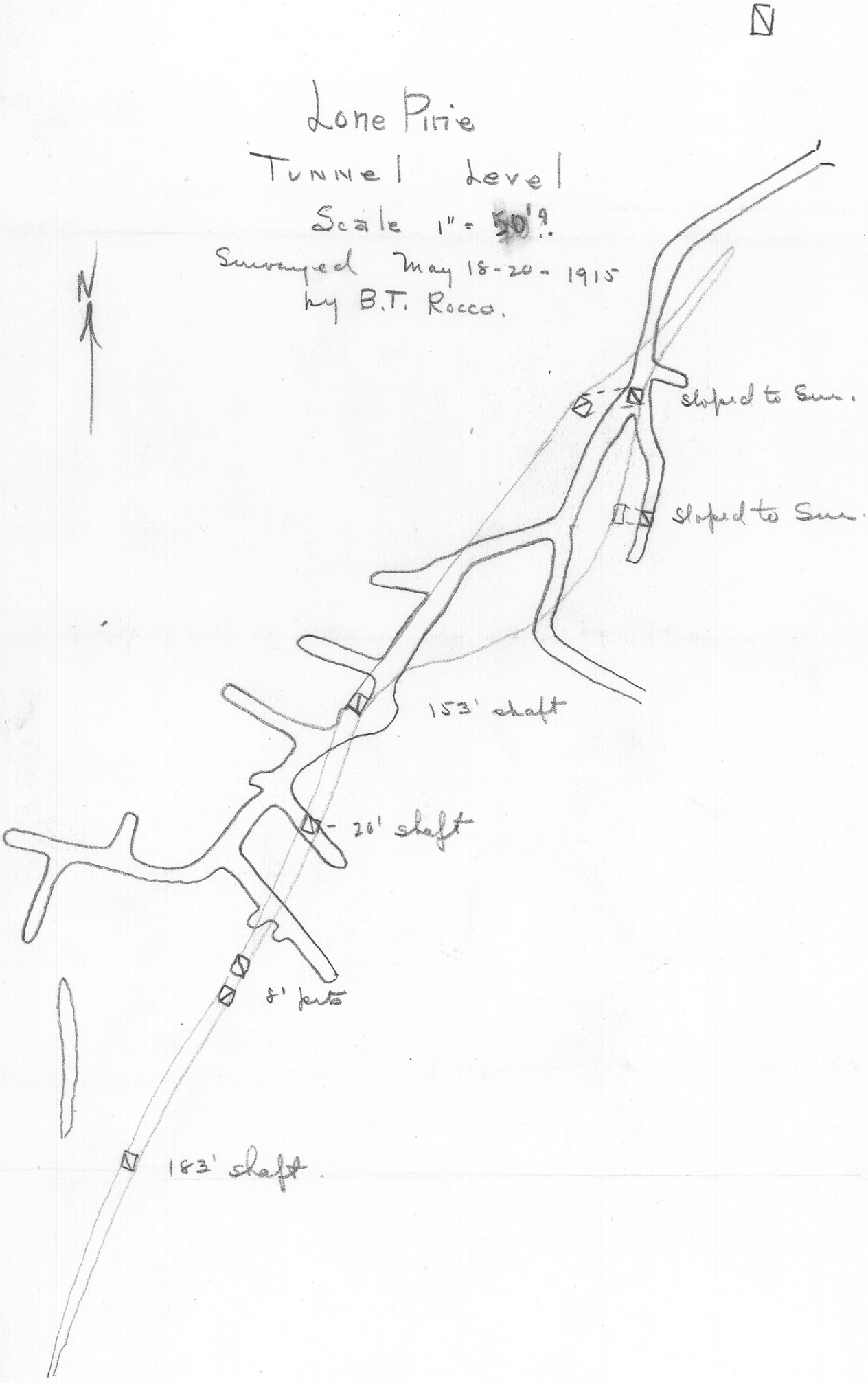
that the location of said improvements is correctly shown upon this plat, and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

And I further certify that this is a correct plat of said Mining Claim made in conformity with said original field notes of the survey thereof, and the same is hereby approved.

U.S. Surveyor General's Office,
Phoenix, Arizona.
May 10, 1905

Hugh H. Price
U.S. Surveyor General for Arizona.

Lone Pine


N
Lone Pine
Tunnel Level
Scale 1" = 50'?
Surveyed May 18-20-1915
by B.T. Rocco.
N
sloped to Sur.
sloped to Sur.
153' shaft
20' shaft
8' pits
183' shaft.

1907 Production

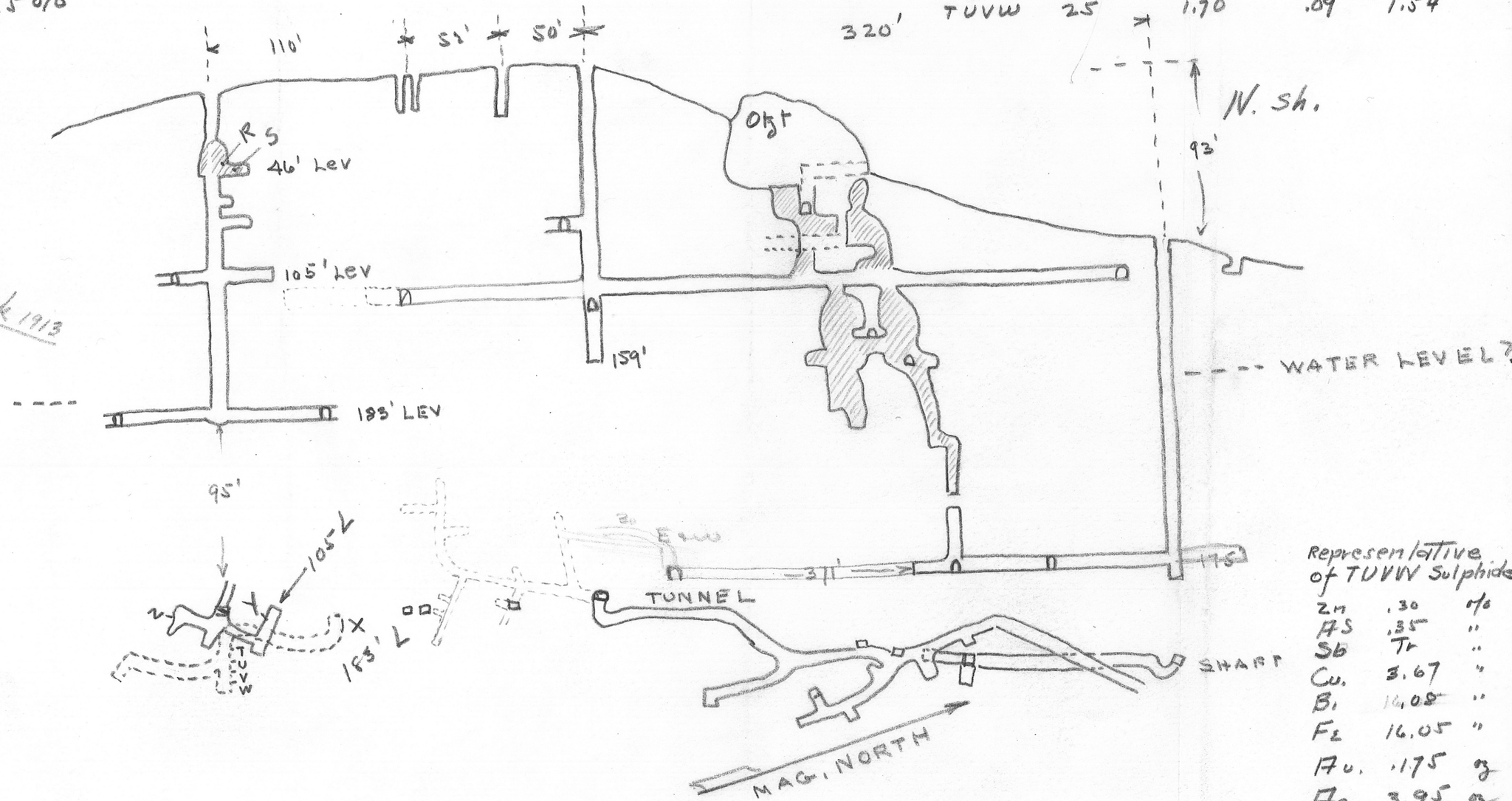
716.569 Tons

Au. .2317 oz.
Ag 3.631 "
Cu. 6.118 %
Fe 14.25 %

LONE PINE
scale 1" = 70'

Samples S Shaft

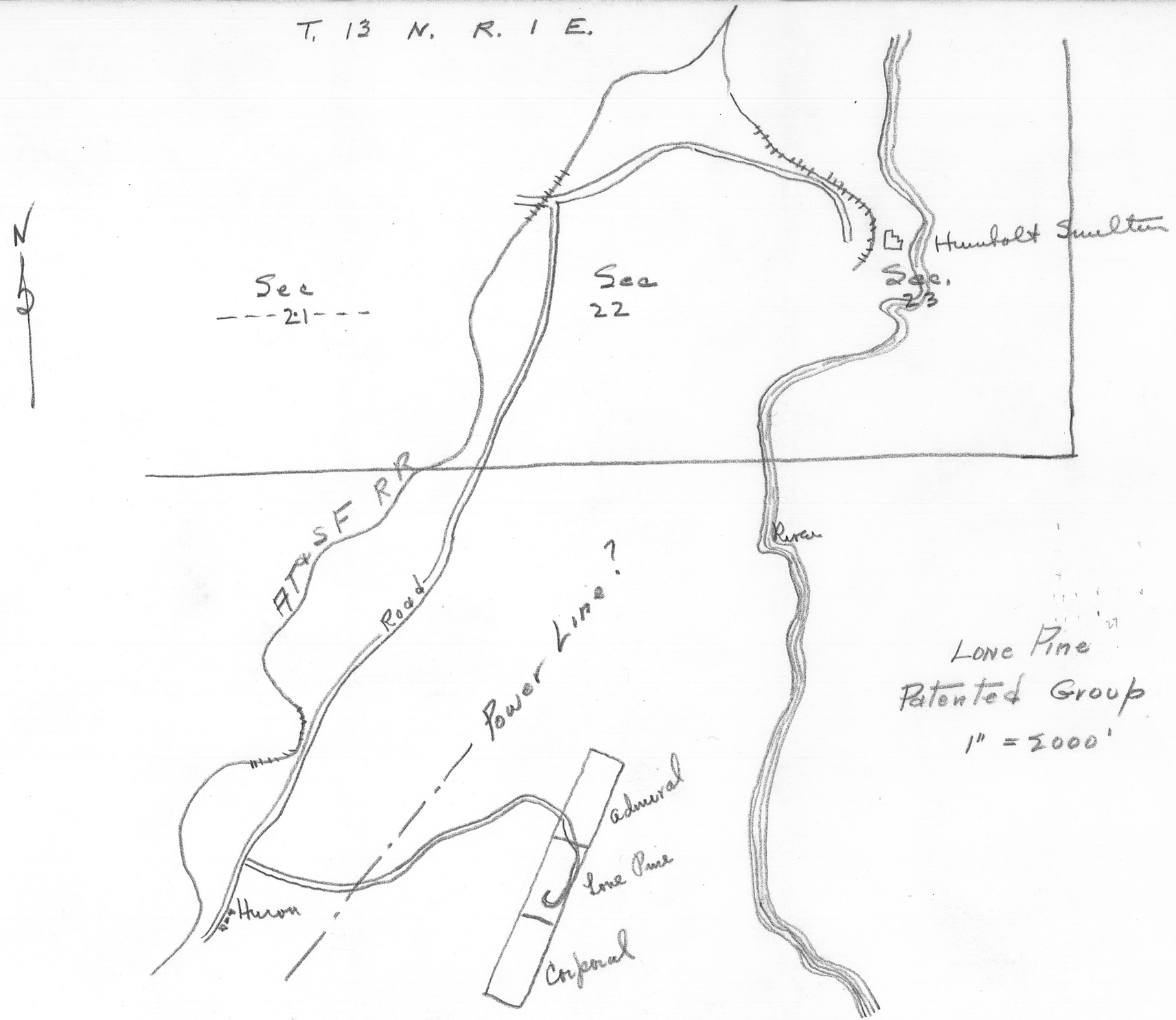
R	2½ FT	2.71 % Cu.	.2 Au	8.96 Ag.
S	1	1.82	.28	4.50
T	65	1.42	.04	.78
U	7	2.61	.16	2.62
V	35	.50	.02	.30
W	8	1.70	.10	1.74
X	7	.72	.05	.95
Y	85	1.35	.10	.88
Z	10	1.50	.06	.34
TUVW	25	1.70	.09	1.54



Cashwork 1913

Representative of TUVW Sulphide

Zn	.30	%
As	.35	"
Sb	Tr	"
Cu.	3.67	"
Bi	16.08	"
Fe	16.05	"
Au.	.175	oz
Ag	3.95	oz


T. 13 N. R. 1 E.
N
Sec 21
Sec 22
Sec. 23
Humbolt Smelter
AT+SF RR
Road
Power Line?
River
Huron
Admiral
Lone Pine
Corporal
Lone Pine
Patented Group
1" = 2000'

LONE PINE MINE

The Lone Pine mine is located in the Big Bug district of Yavapai County, Arizona, one mile from the town of Humboldt, and is connected with Highway 69 and a branch of the Atchison, Topeka and Santa Fe Railroad by a one-half mile fair truck road. It is owned by Fred Gibbs, 231 South Mt. Vernon Street, Prescott, Arizona.

This mine was located about 50 years ago and was actively worked from 1904 to 1907, when the Boggs smelter ceased operations and it was necessary to shut the mine down. Since that time the mine has been worked by lessees in a small way.

Ore occures as replacements in schist of igneous origin, associated with schists of sedimentary origin; these alternating with each other. Replacement in the igneous schists was caused by mineralizing action arising from later intrusions of granite and diorite. Ore is found in eliptical shaped lenses, the long axes paralleling the dip. As bottom of these lenses have not been reached, they may perhaps better be classified as "shoots".

The mine is developed by a 200-foot vertical shaft, a 700-foot inclined shaft, and 2,000 feet of tunnels and drifts. This development has established a positive ore reserve of 10,000 tons, averaging 0.20 ounce of gold to the ton, 3.0 ounces of silver, 5.0 per cent copper, 1.5 per cent lead, and 5.0 per cent zinc.

With copper at 14 cents, a mine plant costing $7,500 would be required in order to extract ore from this property. Ore would be treated in one of the two mills which owner proposes to install at the Hackberry and Boggs properties, nearby.

With the above investment, this mine should produce 450,000 pounds of copper yearly, starting nine months after the said sum is made available.

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