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Notes & plans Cop
C.L.M.
Oct. 22nd '03
Insub. 1/2 sec 4 block

8/18
Orig. H.S.

(4-683.)

Mineral Survey No. 1821

Lot No. _____

Gila Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Silver Bell Copper Co.

KNOWN AS THE

Mammoth Copper

Silver Bell Mining District,

Pima County, Arizona

Section 36, Township 12 South, Range 8 E Union

Surveyed under instructions dated June 15, 1903

by Philip Coutzen
U. S. Deputy Mineral Surveyor.

Claim located January 1st, 1891

Survey commenced July 7th, 1903

Survey completed July 7th, 1903

PRELIMINARY OATHS OF ASSISTANTS IN SURVEY OF MINING CLAIM.

We, D. M. Penny and W. H. Hill,
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 Silver Bell
Copper Co
known as the Mammoth Copper
situate in Silver Bell mining district
Pima County, Arizona,
in Section , Township No. 12 S, Range No. 8 E Unsur.

D. M. Penny, Chainman.
W. H. Hill, Chainman.

Subscribed and sworn to by the above-named persons before me this 16th day of June, 1903

Homer Dauter
Notary Public
My Commission Expires Jan. 11, 1907

I, Chas. E. Thomas, 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 Silver Bell Copper Co
known as the Mammoth Copper
more fully described in the preceding affidavit.

Chas. E. Thomas, Axman.

Subscribed and sworn to by the said Chas. E. Thomas before me this 16th day of June, 1903

Homer Dauter
Notary Public
My Commission Expires Jan. 11, 1907

I, Chas. M. Pogue, 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 Silver Bell Copper Co
known as the Mammoth Copper
more fully described in the preceding affidavit.

Chas. M. Pogue, Flagman.

Subscribed and sworn to by the said Chas. M. Pogue before me this 16th day of June, 1903

Homer Dauter
Notary Public
My Commission Expires Jan. 11, 1907



SURVEY No. 1821.

Mammoth *Copper*

Feet Beginning at Cor. No. 1. Identical with S. E. Cor. of the location.

A pine post 3 1/2 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed 1-1821 M.

A palo verde 4 ins. diam. bears S. 59° 8' E. 15.3 ft., and a palo verde 6 ins. diam. bears N. 21° 20' E. 71.7 ft., each blazed and scribed 1-1821 B. T.

U. S. Mineral Mon. No. 1, Silver Bell Mining District, bears N. 61° 7' E. 315 ft.

Thence N. 56° 20' E.

Va. 13° 15' E.

300 *S.E. END CENTER - IDENTICAL WITH LOCATION AND*
Top of ridge, bearing East and West; descend.

425 Trail, bearing N. W. and S. E.

495 Trail, bearing N. W. and S. E.

600 To Cor. No. 2. Identical with N. E. Cor. of the location.

A pine post 3 1/2 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed 2-1821 M.

A palo verde 5 ins. diam. bears S. 62° 15' W. 34.2 ft., and a palo verde 6 ins. diam. bears S. 60° 10' E. 31.8 ft., each blazed and scribed 2-1821 B. T.

Thence N. 33° 40' W.

Va. 13° 15' E.

107 Trail, bearing Northerly and Southerly.

236 Wash, course Westerly.

336 Trail, bearing Westerly and Easterly.

625 Trail, bearing Westerly and Easterly.

871 Cor. No. 1 of Page Lode, Survey No. 1813.

Page 1. 1306 To Cor. No. 3. Identical with N. W. Cor. of the

Feet

location.

A pine post 3 1/2 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed 3-1821 M.

A cross (X) and B. R. 3-1821 chiseled on S. W. side of a porphory ledge, bears N. 66° 30' E. 11.4 ft., and a cross (X) and B. R. 3-1821 chiseled on the S. W. side of same ledge, bears N. 38° E. 6.5 ft.

Thence S. 56° 20' W.

Va. 13 15' E.

- 90 Trail, bearing Northerly and Southerly.
- 225 Wash, course Westerly; ascend.
- 275 Trail, bearing Westerly and Easterly.
- 300 *N.W. END CENTER - IDENTICAL WITH LOCATION AND* Top of slope, extending Westerly; descend.
- 420 Road, bearing Northerly and Southerly.
- 510 Road, bearing N. W. and S. E.
- 600 To Cor. No. 4. Identical with S. W. Cor. of the

location.

A pine post 3 1/2 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed 4-1821 M.

A palo verde 6 ins. diam. bears S. 29° 50' E. 31.5 ft., and a palo verde 6 ins. diam. bears S. 7° 55' E. 26 ft., each blazed and scribed 4-1821 B. T.

Thence S. 33° 40' E.

Va. 13 15' E.

Ascend.

- 200 Top of slope, extending Southerly; descend.
- 240 Road, bearing S. E. and N. W.
- 345 Trail, bearing S. E. and N. W.
- 488 Road, bearing Northerly and Southerly.
- 600 Gulch, course Westerly; ascend.
- 735 Road, bearing Westerly and Easterly.

Feet	
820	Wash, course Westerly.
860	Old road, bearing Southerly and Northerly.
1306	To Cor. No. 1, the place of beginning.

AREA 17.99 acres.

LOCATION.

This claim is located in the Silver Bell Mining District, Pima County, Arizona, approximately in T. 12 S. R. 8 E. G. & S. R. B. & M.

Course of Ledge.

The presumed course of the ledge is N. 33 40' W. from the Southeast end center, and extends 1306 ft. to Northwest end center.

Adjoining Claims.

This claim is joined on the Northwest by the Hamilton Lode (unsurveyed), Imperial Copper Co. owner; on the Northeast by Page Lode, survey No. 1813, Albert Steinfeld, owner, and by Junction Lode (unsurveyed), Imperial Copper Co., owner; on the Southeast by Prospector Lode, survey No. 1818, Albert Steinfeld, owner; and on the Southwest by Sampson Lode (unsurveyed), Imperial Copper Co., owner.

Expenditure of Five Hundred Dollars.

I certify that the value of the labor and improvements upon this claim, placed thereon by the claimant *or its* grantors, is not less than five hundred dollars, and that said improvements consist of :

From a point on line 2-3, 871 ft. distant, *from Cor No 2*

Discovery shaft, No. 1, 4 x 6 ft. by 10 ft. deep, bears S. 20 W. 370 ft.

Value \$ 100.

Shaft, No. 2, 4 x 6 ft. by 140 ft. deep, bears S. 22 30' W. 133 ft.

Value, \$1400.

Incline shaft, No. 3, 4 x 6 ft. by 406 ft. deep, course S. 75° E., bears S. 26° 30' W. 166 ft.

Value, \$4060.

Tunnel No. 4, 4 x 6 ft. by 112 ft. long, course N. 30° W., bears N. 75° E. 163 ft. *from Cor No. 4.*

Value, \$500.

Shaft No. 5, 4 x 6 ft. by 100 ft. deep, bears S. 53° 10' E. 452 ft. *from cor No 4*

Value, \$500.

Shaft No. 6, 4 x 6 ft. by 60 ft. deep, bears S. 16° W. 364 ft. *from cor no 3*

Value, \$300.

Tunnel No. 7, 4 x 6 ft. by 150 ft. long, course N. 30° W., bears S. 69° 40' W. 150 ft. *from point on line 2+3. 871 ft from cor 2*

Value, \$1500.

Cut, No. 8, 6 x 20 ft. by 70 ft. long, course N. 33° W., bears S. 57° W. 192 ft. *from point on line 2+3 871 ft from Cor no 2*

Value, \$ 350.

Cut, No. 9, 50 x 60 ft. by 10 ft. deep, course N. 33° W., bears S. 57° W. 220 ft. *from point on line 2+3 871 ft from Cor no 2.*

Value, \$1000.

Instrument.

This survey was made with a Young & Sons Light Mountain Transit with Smith's Solar Attachment. The courses were deflected from the true meridian as determined by direct solar observations. The distances were measured with 100-ft. and 300-ft. steel tapes.

Philip Coulter

U. S. Deputy Mineral Surveyor.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Philip Coutzen
 United States Deputy Mineral Surveyor, to assist in running, measuring, and marking the lines
 corners and boundaries described in the foregoing field notes of the survey of the mining claim
 of Silver Bell Copper Co.
 known as the Mammoth Copper
 and showing the respective capacities in which they acted.

- D. M. Penny, Chairman.
- W. H. Hill, Chairman.
- Chas. E. Thomas, Axman.
- Chas. M. Pogue, Flagman.

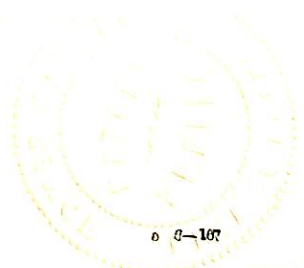
FINAL OATHS OF ASSISTANTS.

We, D. M. Penny, W. H. Hill, Chas. E. Thomas
 and Chas. M. Pogue, do solemnly swear that we assisted Philip
Coutzen, United States Deputy Mineral Surveyor, in marking the corners and
 surveying the boundaries of the mining claim of Silver Bell
Copper Co.
 known as the Mammoth Copper, 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

- D. M. Penny, Chairman.
- W. H. Hill, Chairman.
- Chas. E. Thomas, Axman.
- Chas. M. Pogue, Flagman.

Subscribed and sworn to by the above-named persons before me
 this 8th day of July, 1903

Homer Dauter
 Notary Public



FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR

I, Philip Contzen, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated June 15th 1903, 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 Silver Bell Copper Co, known as the Mammoth Copper, situate in Silver Bell Mining District, Pima County, Arizona, in Section 8 E unsw⁴ 4 + S. R. B + M., Township No. 12 S, Range No. 8 E unsw⁴ 4 + S. R. B + M. and designated as Survey No. 1821, 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.

Philip Contzen
U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said Philip Contzen
U. S. Deputy Mineral Surveyor, before me _____
this 8th
day of July 1903.
Homer Dauter

Notary Public

Affidavit of Five Hundred Dollars Improvements.

We, *D. M. Penny*, and *Chas. M. Payne*

of lawful age, being first duly sworn according to law, depose and say: That
are acquainted with the *Mammoth Copper* mining claim
situate in *Silver Bell* Mining district, *Pima* County
Arizona Territory, for which *Silver Bell Copper*

has 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 improve-
ments made thereon by the applicant and its grantor exceed Five Hundred
Dollars in value, and further that we are not personally interested in said mine.

D. M. Penny

Chas. M. Payne

TERRITORY OF ARIZONA,

County of *Pima* } ss:

Sworn to and subscribed before me, this *8th*

day of *July*, 190*3*



Homer Dantee
Notary Public

Affidavit of Five Hundred Dollars Improvements.

we, *D. M. Penny*, and *Chas. M. Pogue*

of lawful age, being first duly sworn according to law, depose and say: That we

are acquainted with the *Mammoth Copper* mining claim,

situate in *Silver Bell* Mining district, *Pima* County,

Arizona Territory, for which *Silver Bell Copper Co.*

has 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 improve-

ments made thereon by the applicant and its grantor exceed Five Hundred

Dollars in value, and further that we are not personally interested in said mine.

D. M. Penny

Chas. M. Pogue

TERRITORY OF ARIZONA,

County of *Pima* } ss:

Sworn to and subscribed before me, this *8th*

day of *July*, 190*3*



Homer Dantee
Notary Public

MAMMOTH COPPER MINE.

Location Notice-----NOTICE IS HEREBY GIVEN that the undersigned, in compliance with the requirements of the Mining Act of Congress, approved May 10, 1872, I have this day located and claim 1500 linear feet along the course of this lead, lode or vein of mineral-bearing quartz and 300 feet in width on each side of the middle of said lead, lode or vein, situate in the Silver Bell Mining District, County of Pima, Arizona, and more particularly described as follows, to wit:

COMMENCING at this monument of stones, being the center of the North West end of Claim, and upon which this Notice is posted; thence Westerly 300 feet to a monument of stones; thence Southerly 1500 feet to a monument of stones; thence Easterly 300 feet to a monument of stones, being the center of the South East end of Claim; thence Easterly 300 feet to a monument of stones; thence Northerly 1500 feet to a monument of stones; thence Westerly 300 feet to place of beginning.

THIS CLAIM is situated about one and one half miles North East from the Smelting Works of the Pima Copper Mining Company, at Pelton, and was formerly known as the Old Boot Mine and Blue Coat Mine in the county of Pima and Territory of Arizona, and shall be known as the Mammoth Copper Mine, located the 1st day of January 1891.

Wm. Klug.

Filed and recorded at request of W. Zeckendorf, February 4th, A. D. 1891, at 11:25 A. M.

Chas. A. Shibell,
County Recorder.

Territory of Arizona, } ss.
County of Pima.

I, Charles A. Shiblee County Recorder in and for the County of

Pima, do hereby certify that the above and foregoing is a full, true and correct copy of the
Mammoth Copper Mining Claim, situated in
Silver Bell Mining District, dated Jan'y 1st 1891.

Records of Mines -

as appears of Record now in my office in Book B. B. 1 Pages 621

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my
official seal, at my office in Tucson, this 12th day
of June A. D. 190³

Charles A. Shiblee
County Recorder of Pima County, Arizona.
By W. A. Greene
Deputy

4-687.

**SURVEYOR-GENERAL'S CERTIFICATE OF APPROVAL OF FIELD
NOTES AND SURVEY OF MINING CLAIM.**

Department of the Interior.

Office of U. S. Surveyor-General,

Phoenix, Arizona.....

Cet. 24th, 190³.

I, U. S. Surveyor-General for..... Arizona.....

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the

Mining Claim of..... Silver Bell Copper Co......

....., known as the

Mammoth Copper

situate in..... Silver Bell..... mining district,

..... Pima..... County,..... Arizona.....

in Section..... APPROX....., Township No...... 12 S......, Range No...... 8 E...... unsurveyed

G. & S.R.B. & M......, designated as Survey No...... 1821.....

executed by..... Philip Contzen....., U. S. Deputy Mineral

Surveyor,..... July 7th, 1903......, 190....., under my instructions dated

June 15th, 1903......, 190....., have been critically examined and the necessary cor-

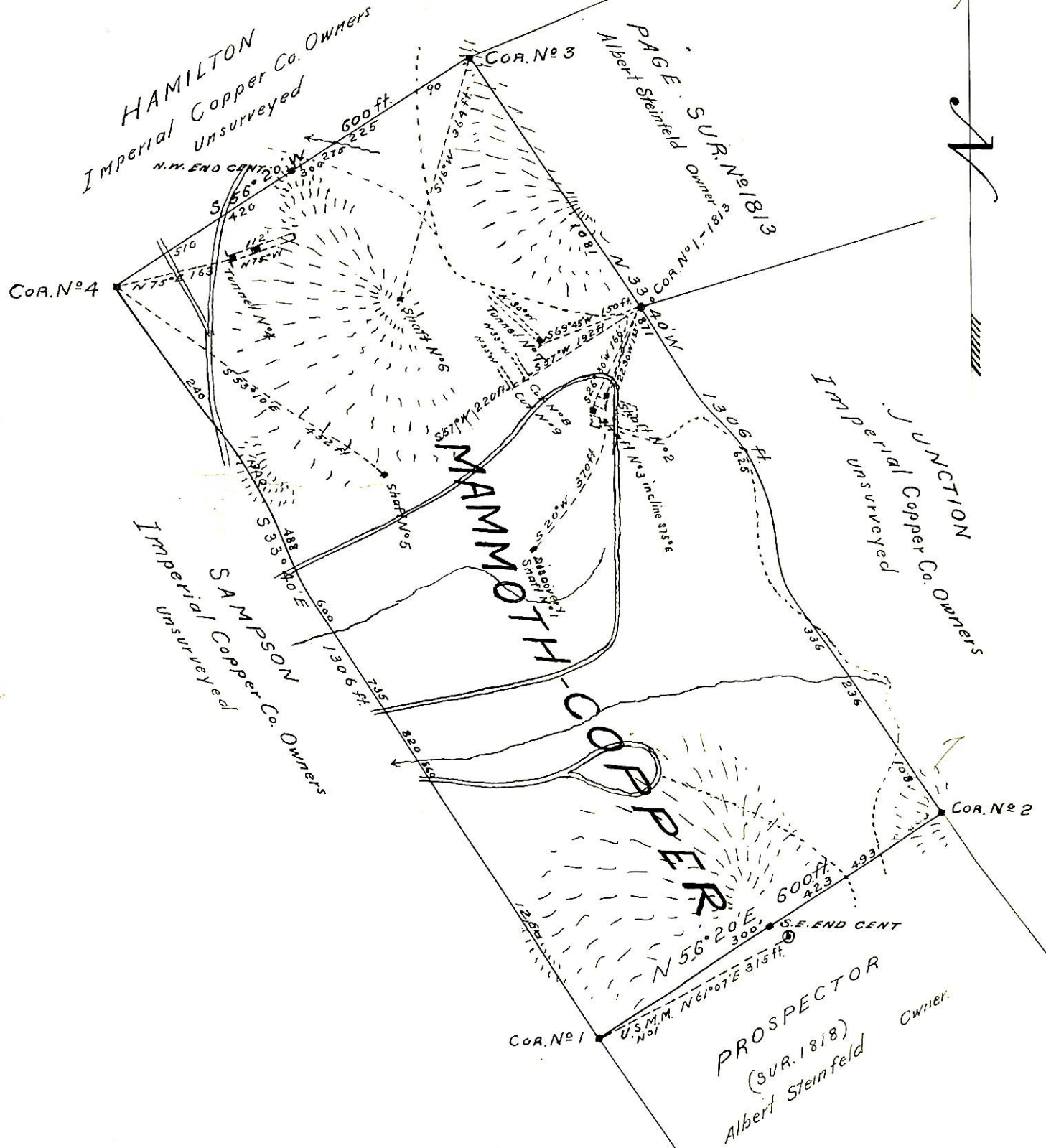
rections and explanations made, and the said Field Notes and Return, and the Survey they describe,

are hereby approved. A true copy of the copy of the location certificate filed by the applicant. for

survey is included in the field notes.

Frank S. Lyell

U. S. Surveyor-General for..... Arizona.....



SURVEY N^o 1821

GILA LAND DISTRICT

surveyed July 7th 1903.

By Philip Contzen,

U. S. Dep. Min. Surveyor.