

**MS**

**01620**

*Filed for name of Journal*

(4-683.)

Mineral Survey No. 1620

Lot No. \_\_\_\_\_

Gila Land District.

### FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

L. H. and C. C. Mitchell, claimants

KNOWN AS THE

"Boss Code"

Copper Mountain Mining District,

Graham County, Arizona

Section \_\_\_\_\_ Township approximately 4 South, Range 29 East

Surveyed under instructions dated Jan 18<sup>th</sup>, 1902,

by R. J. Young  
U. S. Deputy Mineral Surveyor

Claim located unmended Jan. 1<sup>st</sup>, 1902

Survey commenced Jan 25<sup>th</sup>, 1902

Survey completed Jan 26<sup>th</sup>, 1902

6-160

Hayward  
Adams

Herford & Hayward  
Tucson, Arizona

# PRELIMINARY OATHS OF ASSISTANTS IN SURVEY OF MINING CLAIM.

WE, Manuel Rodriguez and \_\_\_\_\_, 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 L. H. and C. C. Mitchell

\_\_\_\_\_, known as the Boss situate in Copper Mountain mining district, Graham County, in Section \_\_\_\_\_, Township No. 4 S., Range No. 29 East

Manuel Rodriguez, Chainman.  
\_\_\_\_\_, Chainman.

Subscribed and sworn to by the above-named persons before me this 24<sup>th</sup> day of January, 1890

*My commission expires Nov. 17, 1907* Ben M. Crawford  
Notary Public

I, \_\_\_\_\_, do solemnly swear that I will well and truly perform the duties of axeman, 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.

\_\_\_\_\_, Axeman.

Subscribed and sworn to by the said \_\_\_\_\_ before me this \_\_\_\_\_ day of \_\_\_\_\_, 18 \_\_\_\_\_.

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 \_\_\_\_\_, 18 \_\_\_\_\_.

"Boss Lode"  
Survey N<sup>o</sup> 1620

Beginning at Cor. N<sup>o</sup> 1  
Identical with S. W. Cor. location.  
" " N. W. " <sup>Sur. No. 570</sup> Ida scribed

I. M. C. IV, no survey number, where  
I set a pine post 4" x 4" x 4½ ft. long,  
1½ ft. in the ground and surrounded  
same with a mound of stone.

Post scribed S. W. Cor. Boss 1-1620.

Thence U. S. L. M. N<sup>o</sup> 3 bears 568°48'E  
450.02 ft.

A stone monument marked S. W. Cor.  
Tip Top Fraction, bears N. 31°15'E 338. ft.

A stone monument marked S. E. S. L. C. L.  
bears N. 32° E. 388. ft.

A ⊗ chiseled and painted black on  
siled rock, bears N 76°20'E, 81.30 ft.  
chiseled B. R. 1-1620.

Thence N 1°31' W

Var. 12°44' E

300.00 To West End center monument, amended  
location, no original monument found.

600.00 To Cor N<sup>o</sup> 2

Identical with N. W. Cor. Amended  
location, where I set a pine post  
4" x 4" x 4½ ft. long, 1½ ft. in the  
ground and surrounded same with  
a mound of stone.

Post scribed N. W. Cor. Boss 2-1620

A ⊗ chiseled and painted black  
on siled rock, bears S 1°31' E 32.56 ft.  
chiseled B. R. 2-1620.

Thence S 83°10'E

Var. 12°44' E

475.00 To a monument of stone marked  
S. W. Cor. Townsite, <sup>mining claim, (unsurveyed)</sup> S. E. S. L. C. L.

1403.20 Intersects line 1-2 Lady Washington  
Lode, Survey N<sup>o</sup> 1539, whence Cor. N<sup>o</sup> 1  
bears S. 13°48' W 406.3 ft.

1500.00 To Cor. N<sup>o</sup> 3.

Identical with N. E. Cor. Amended location  
where I set a pine post 4" x 4" x 4½ ft.  
long, 1½ ft. in the ground, and

surrounded same with a mound of stone.

Post scribed N.E. Cor Bore 3-1620.

Original location monument bears N 25° 15' E. 108.0 ft.

A Rock monument marked N.W. Cor.

Charlton bears N. 21° 25' W. 160.0 ft.

A Rock monument marked S.E. Cor. Top.

Top. Fraction bears N 79° 53' W. 462. ft

A (X) chiseled and painted black on solid rock bears S 1° 31' E. 37.10 ft.

chiseled B. R. 3-1620.

Thence S 1° 31' E

Var. 12° 40' E

207.60 To Original East End center location monument.

300.00 To East End center monument amended location.

428.90 Intersects line 1-4 Lady Washington Survey N° 1539. whence Cor N° 1 Lady Washington bears N 78° 12' W 208.7 ft.

600.00 To Cor. N° 4.

Identical with S.E. Cor location

" " N.E. Cor Ida. <sup>Sur. No. 570</sup>

where I set a pine post 4" x 4" x 4 1/2 ft. long 1 1/2 ft. in the ground and surrounded same with a mound of stone.

Post scribed S.E. Cor Bore. 4-1620.

Whence Cor N° 1 Lady Washington Survey N° 1539, bears N 43° 57' W 301.1 ft.

A (X) chiseled and painted black on solid rock bears N 25° 58' E 32.1

chiseled B. R. 4-1620.

Thence N 43° 10' W

Var 12° 40' E

200.00 Intersects bottom of draw course N. 45° W. for 400 ft.

1500.00 To Cor N° 1

The place of beginning.

The survey of the Bore lode is identical with its amended location.

The Bore lode is located, approximately

in Township 4 South, Range 29 East, Gila & Salt River Meridian, Graham County, Arizona. Copper Mountain Mining District.

Expenditure of Four Hundred Dollars

I certify that the value of labor and improvements on the Boss lode is not less Four Hundred Dollars and that improvements consist of.

No 1	Discovery shaft 4 ft x 6 ft x 10 ft. The center of which bears N 84° 17' E 1184.9 ft. from Cor No 1	Value	\$ 8000
No 2	Open cut 5 x 6 x 10, the center of which bears N 85° 44' E 1186. ft. from Cor No 1	Value	30.00
No 3	Tunnel, 15 ft. open cut, 17 ft. Tunnel 5 x 6' running N 70° E, the mouth of which bears N 84° 57' E. 1162 ft. from Cor No 1.	Value	98.00
No 4	Open cut, 6 x 6 x 10', The center of which bears N 82° 50' E, 1188. from Cor No 1.	Value	35.00
No 5	Tunnel, 17 ft. open cut, 17 ft. tunnel, 5 x 7' running due south, The mouth of which bears N 73° 23' E 647. ft. from Cor. No 1.	Value	178.00
No 6	Tunnel, 16 ft open cut, 14 ft. tunnel. 5 x 6', running south, The mouth of which bears N 81° 40' E, 590. ft. from Cor No 1	Value	154.00
			<u>\$ 575.00</u>

Judging from present developments and surface indications the ledge of the Boss lode extends throughout the center of claim.

Claimants on the north and west of Boss lode are unknown, the Ida, on the south, is owned by the Arizona Copper Co, and the Lady Washington on the east is owned by L. H. Mitchell.

The surface embraced by the Boss  
 lode is about 750 above Chase Creek.  
 From bar #1 the ground ascends  
 about 200 ft to bar #2, and from  
 bar #2 descends, along side of  
 big mountain about 400 ft  
 to bar #3 and descends from  
 bar #3 to Cor #4 about 50 ft.  
 Comparatively level from Cor #4  
 to bottom of draw then ascends  
 about 350 to a point immediately  
 north of U.S. L. M. N<sup>o</sup> 3, then  
 descends about 100 ft. to Cor #1.

In making this survey  
 particular attention was paid  
 to South side line, and  
 distances and courses here given  
 are found to be correct.

The disagreement between the  
 original location and the amended  
 location are due to errors in  
 the former.

Course	Dist	N+	S-	Area	8 m. d.	N+	S-
				E+ W-			
N1°31'W	600.00	599.76		15.84	+ 15.84	9500.20	
S83°10'E	1500.00		178.35	1489.20	- 1457.52		259,948.69
S1°31'E	600.00		599.76	15.84	- 2962.56		1,776,924.99
N83°16'W	1500.00	178.35		1489.20	- 1489.20	265,598.82	
						275,099.02	2,036,873.68
							275,099.02
						2	1,761,774.66
						43560	880,887.33

Boss lode - Total Area 20,222 acres

Area in Conflict with Lady Washington Survey 1539

N13°48'E	406.3	395.31	96.90	96.90	38,305.54		
S83°10'E	96.8		1076-96.10	289.90			3,119.32
S1°31'E	428.9		427.96-11.30	397.30			170,028.51
N78°12'W	208.7	43.41		204.30-204.30		8868.66	
						47,174.20	173,147.83
							47,174.20
						2	125,973.63
						43560	62,986.815

Area in Conflict 1. 446 acres

Total Area Boss Lode	20.224
Area in Conflict Lady Washington	1.446
Net Area Boss Lode.	18.776

This survey was made with a  
C. L. Berger and Sons' ~~Sinning~~  
Transit, the courses were deflected  
from the True Meridian by direct  
observation on Polaris.

The distances were measured  
with a 200. ft steel tape.

R. J. Young  
U. S. Deputy Min. Surveyor.



# FINAL OATHS FOR SURVEYS.

## LIST OF NAMES.

A list of the names of the individuals employed by R. J. Young  
 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 L. N. and C. C. Mitchell  
 known as the "Borr Lode"  
 and showing the respective capacities in which they acted.

Manuel Rodriguez, Chainman.  
 \_\_\_\_\_, Chainman.  
 \_\_\_\_\_, Axman.  
 \_\_\_\_\_, Flagman.

## FINAL OATHS OF ASSISTANTS.

We, I, Manuel Rodriguez  
 and \_\_\_\_\_, do solemnly swear that we assisted  
R. J. Young, United States Deputy Mineral Surveyor, in marking the corners and  
 surveying the boundaries of the mining claim of L. N. and C. C. Mitchell  
 \_\_\_\_\_, known as the "Borr Lode"  
 \_\_\_\_\_, 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.

Manuel Rodriguez, Chainman.  
 \_\_\_\_\_, Chainman.  
 \_\_\_\_\_, Axman.  
 \_\_\_\_\_, Flagman.

Subscribed and sworn to by the above-named persons before me  
 this 30<sup>th</sup> day of January, 1902

Ben M. Crawford  
 Notary Public

My commission expires Nov 1<sup>st</sup> 1904

FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR

I, R. J. Young, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated January 18-1902, 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 L. N. and C. C. Mitchell, claimants, known as the "Boss Lode", situate in Copper Mountain Mining District, Yavapai County, Arizona, in Section \_\_\_\_\_, Township No. 4 S., Range No. 29 E. approximately 94 S.W. 1/4, and designated as Survey No. 1620, 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 their 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.

R. J. Young  
U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said R. J. Young  
U. S. Deputy Mineral Surveyor, before me Ben W. Crawford  
a Notary Public this 30<sup>th</sup>  
day of January 1902.

Ben W. Crawford  
Notary Public

My Commission expires Aug 1<sup>st</sup> 1904

## Affidavit of Five Hundred Dollars Improvements.

We, ADM Lean, and Calvin Hargrave

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

acquainted with the Boss mining claim, situate

in Copper Mountain Mining District, Graham County,

Arizona Territory, for which L. F. Mitchell & C. C.

Mitchell

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 his grantor exceed Five Hundred

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

ADM Lean  
C. Hargrave

TERRITORY OF ARIZONA,

County of Graham } ss:

Sworn to and subscribed before me, this 23rd

day of January, 1902

Theo Shirley  
Notary Public

159671200-10-1900

My commission  
expires July 15th 1902

## NOTICE OF MINING LOCATION. QUARTZ CLAIM.

-----  
 TO ALL WHOM IT MAY CONCERN: This Mining Claim, the name of which is the Boss 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 Gilliard, & Isaac N. Stevens, the undersigned, on the 29 day of January, 1899.

The length of this claim is fifteen hundred (1500) feet and ..... claim two hundred & fifty (250) feet in a East direction and one thousand two hundred & fifty (1250) feet in a West direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with three hundred 300 feet in width of the surface grounds, on each side of the center of said claim.

The general course of the lode deposit and premises is from the East to the West.

The claim is situated and located in the Copper Mountain Mining District, in Graham County, in the Territory of Arizona, about fifteen hundred feet in a West direction from Metcalf store, on West side Chases Creek.

The surface boundaries of the claim are marked upon the ground as follows; Beginning at monument of stones, at a point in a East direction 250 feet from the discovery shaft (at which this notice is posted), being in the center of the East end line of said claim, thence South 300 feet to a monument of stone, being the S.E. Corner of said claim; thence West 750 feet to a monument, at the center of the South side line of said claim; thence West 750 feet to a monument, being at the S.W. Corner of said claim; thence North 300 feet to a monument, at the center of the West end of said claim; thence North 300 feet to a monument, being at the N.W. Corner of said claim; thence East 750 feet to a monument of stone, being at the center of the North side line of said claim; thence East 750 feet to a monument, at the N.E. Corner of said claim; thence South 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 20th, 1895.

Dated and posted on the ground this 29 day of January 1899.

George Gilliard.

Isaac N. Stevens.

Recorded at request of J.F. Niccolls, April 7, 1899, at 11 A.M.

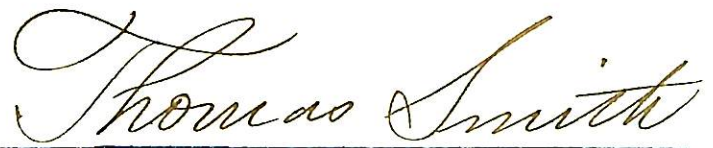
Pedro Michelena, County Recorder,

By Fred. Dysart, Deputy.

Territory of Arizona, )  
 ) ss.  
 County of Graham. )

I, Thomas Smith, County Recorder, in and for the County of Graham, Territory of Arizona, do hereby certify, that the foregoing is a full, true and complete copy of the Boss Mining Claim, as it appears upon the Records of Graham County, in Book 11. Records of Mines at pages 32 and 33.

Witness my hand and official seal hereto affixed, at my office in Solomonville, said County and Territory, this 9th day of December A.D. 1901.



County Recorder, Graham County,

Territory of Arizona.

Amended Location Certificate.  
Lode Claim.

Territory of Arizona )  
                                  : ss  
County of Graham.    )

Know all Men by these Presents:- That Louis H. Mitchell and Christopher C. Mitchell, the undersigned, have this 1st day of January 1902, amended, located and claimed, and by these presents do 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 measurements, on the "Boss" 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 lines of said claim 1219. ft running Westerly from center of discovery shaft, and 281. ft running Easterly from center of discovery shaft, said discovery point being situate upon said lode, vein, ledge or deposit, and within the lines of said claim, in Copper Mountain Mining District, County of Graham and Territory of Arizona, described by metes and bounds as follows, to wit:-

Beginning at Cor. No. 1 whence U.S.L.M. No. 3 bears S 68°48'E 450.02 ft, thence North 1°31' West 600 ft to Cor. No. 2, thence South 83°10' East 1500 ft to Cor. No. 3, thence South 1°31' East 600 ft. Cor. No. 4, thence North 83°10' West 1500 to Cor. No. 1 the place of beginning.

This being the same lode originally located on the 29th day of January 1899 and recorded on the 7th day of April 1899, in Book 11 Records of Mines, page 32 and 33, in the office of the Recorder of Graham County. This further and amended certificate of location is made without waiver of any previously acquired rights, but for the purpose of correcting errors in the original location, description or record.

Witness

R. J. Young.

Louis H. Mitchell.

Christopher C. Mitchell.

Recorded at request of R.J.Young, Jany 14th.1902, at 9 o'clock A.M.

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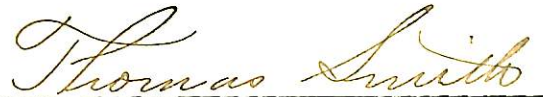
Thomas Smith,

County Recorder.

Territory of Arizona)  
County of Graham. ) :ss

I, Thomas Smith, County Recorder in and for the County and Territory aforesaid do hereby certify that the foregoing is a full true and complete copy of the Amended Location Certificate of "Boss" Mining Claim as the same appears of Record in my office in Book 13, Record of Mines, at pages 418. Records of Graham County.

In Witness Whereof I have hereunto set my hand and affixed my official seal at my office in Solomonville, Arizona, this 14th day of January A.D. 1902.



County Recorder.  
Graham County,  
Territory of Arizona.

(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*

*March 25<sup>th</sup>*, 1902

I, U. S. Surveyor General for *District of Arizona*,

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the Mining Claim of *L. A. and C. C. Mitchell*,

....., known as the  
*"Boss Lode"*

situate in *Copper Mountain* mining district,  
*Graham* County, *Arizona*

in Section *approx*, Township No. *4 S*, Range No. *29 E*

....., designated as Survey No. *1620*.

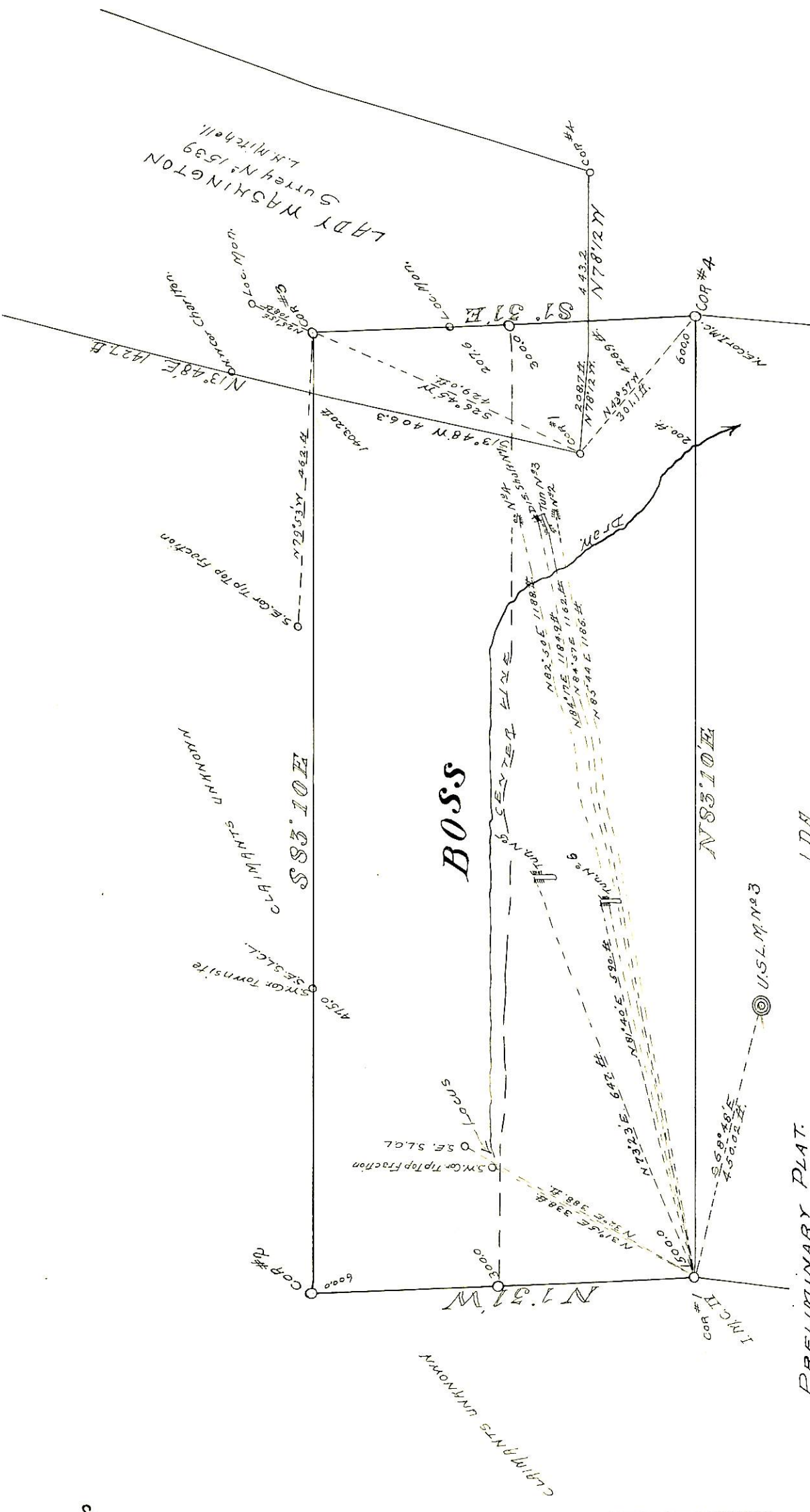
executed by *R. J. Young*, U. S. Deputy Mineral  
Surveyor, *Jan. 25<sup>th</sup> 26<sup>th</sup>*, 1902, under my instructions dated

*Jan. 18<sup>th</sup> 1902*, ~~1901~~, have been critically examined and the necessary corrections 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.

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





PRELIMINARY PLAT.  
 SURVEY No 1620.  
 Surveyed January 25-26-1902.  
 by *Chas. Young*  
 U. S. Deputy Mineral Surveyor.

1 DA  
 Arizona Copper Co.

CORNER UNKNOWN

CORNER UNKNOWN

LADY WASHINGTON  
 Survey No 1539  
 L.H. Mitchell

U.S.L.M. No 3

CORNER CHARTER

SE. S. L.C.L.

SEYBETH LINE

N 83 1/2 E

N 13 1/2 W

N 13 1/2 E 1427 ft

N 78 1/2 W 4063 ft

N 82 5/8 E 1188 ft

N 84 1/2 E 1162 ft

N 85 1/4 E 1185 ft

N 81 1/4 E 520 ft

N 73 2/3 E 647 ft

N 1 5/8 E 308 ft

N 3 1/2 E 388 ft

N 1 5/8 E 308 ft

N 3 1/2 E 388 ft

N 1 5/8 E 308 ft

N 3 1/2 E 388 ft

N 1 5/8 E 308 ft

N 3 1/2 E 388 ft

N 1 5/8 E 308 ft

N 3 1/2 E 388 ft

N 1 5/8 E 308 ft