

JUN 21 1924
July 18 '24

4-683

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MINERAL SURVEY No. 5942

Arizona Land District

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

The Arizona Copper Company

KNOWN AS THE

WEDGE Lode

Greenlee Gold Mountain Mining District,

Greenlee County, Arizona

Section S. 27-34, Township 3 S., Range 29 E.

Surveyed under instructions dated March 21, 19 24

by *T. N. Stevens*
U. S. Mineral Surveyor.

Claim located See location Notice, 19

Survey commenced April 26, 19 24

Survey completed April 27, 19 24

Address of claimant Morenci, Ariz.

DATES OF AMENDED LOCATIONS.

Feet.

MINERAL SURVEY NO. 3942

WEDGE Lode.

Beginning at Cor. No.1, identical with Loc. Mon. and Cor. No.1 Sur. No.2484 Carey lode, claimant herein, on line 3-4 Sur. No. 2484 Trinidad No. 6 lode, at N.21°24'E., 527.7 ft. from Cor. No.4.

A pine post 4 x 6 ins. 4 ft. above ground, set firmly in the ground and surrounded with md. of stone 3 1/2 ft. base by 3 ft. high scribed C 1-2484, W 1-3942, whence the Cor. to Secs 33-34-27 -28 T. 3 S. R. 29 E., G. & S. R. M. brs. N. 43°37' W., 786.6 ft.

U.S. M.M. No.2 brs. N. 61°49' W., 495.9 ft.

Cor. No.1 Sur. No.1751 Trinidad No. 5 lode, claimant herein brs. N. 69°21' E., 109.24 ft.

No other bearings are available.

Thence S. 71° 58' E.
Va. 13° 30' E.

- 76.1 To Cor.2 Sur. No.2484 Carey lode, on line 4-1 Sur. No.1751 Trinidad No.5 lode at S.25°41'W., 68.9 ft. from Cor. No.1 and N. 25° 41' E., 531.5 ft. from Cor. No.4.
- 115.0 To S. end center. identical with Loc. Mon.
A pine post 4 ins. diam. by 4 ft. high, set firmly in the ground and surrounded with md of stone 3 1/2 ft. base by 3 ft. high, scribed S. Cr. W.
- 240.0 To Cor. No.2, identical with Loc. Mon. and Cor. No.1 Sur. No.1086 Copper King lode, claimant herein.
A pine post 4 ins. sq by 4 ft. high, set firmly in the ground and surrounded with md of stone 3 1/2 ft. base by 3 ft. high, scribed C K -1-1086 and W.2-3942.
No bearings are available
Thence N.17°24'30" E.
Va. 13° 50' E.
- 68.29 Intersect line 1-2 Sur. No.1751 Trinidad No. 5 lode at S.71°58'E., 153.98 ft. from Cor. No.1 and N.71°58'W., 1346. ft from Cor. No.2
- 730.0 Gulch brs. northwesterly.
- 870.85 To Cor. No.3, identical with Loc. Mon. and Cor. No.6 Sur. No.2484 Go Between lode, on line 4-1 Sur. No.1086 Copper King lode at S.17°24'30"W., 625.35 ft. from Cor. No. 5:
A pine post 4 x 6 ins. 4 ft. above ground, set firmly in the ground and surrounded with md of stone 3 1/2 ft. base by 3 ft. high, scribed

MINERAL SURVEY NO. 3942

WEDGE Lode - Continued.

Feet.

G B 6-2484 , W 3-3942

No bearings are available.

Thence N. 71° 58' W.
Va. 13° 30' E.

125.0 To N. end center, identical with Loc. Mon.

An oak post 4 ins. diam. by 4 ft. high, set firmly in the ground and surrounded with md of stone 3 1/2 ft. base by 3 ft. high, Scribed N. Cr. W.

179.3 To Cor. No.4, identical with Loc. Mon. and Cor. No.3 Sur. No.2484

Trinidad No. 6 lode, on line 6-1 Sur. No.2484 Go Between lode.

A pine post 4 x 6 ins. 4 ft. above ground, set firmly in the ground and surrounded with md. of stone 3 1/2 ft. base by 3 ft. high scribed W.4-3942, 3 T No.6 - 2484.

No bearings are available.

Thence S. 21°24' W.
Va. 13° 30' E.

100.0 Gulch hrs. northeasterly.

872.3 To Cor. No.1, the place of beginning.

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LODE LINE.

As near as can be determined from the present developments, the vein of the location embraced in this claim extends as follows from its discovery point:-

200 ft. S. 17°24'30" W., and 670.85 ft. N. 17°24'30" E.

AREA.

	Acres.
Total area	4.191
Area in conflict with Sur. No.1751 Trinidad No. 5 lode -	0.249

The survey of the lode of this location is identical with the location as staked upon the ground.

LOCATION.

This survey is located in S W 1/4 Sec. 27 and N.W. 1/4 Sec. 34, T. 3 S., R. 29 E. G. & S. R. M.

MINERAL SURVEY NO. 3942

WEDGE LODE.

EXPENDITURE OF FIVE HUNDRED DOLLARS.

I certify that the value of the labor and improvements made upon or for the benefit of the location embraced in this mining claim by the claimant or its grantors is not less than five hundred dollars, and that said improvements consist of;

No.1 The discovery cut, the face of which being the discovery point is on the lode line, 200 ft. from a point on line 1-2, 115 ft. from Cor. No. 2. 4 1/2 ft. wide, 8 ft. face running N. 17° 24' E., 18 ft. to mouth. From face is a tunnel 4 x 6 ft. running S. 10° W., 35 ft. to face.

Value cut and tunnel \$450.0

No.2 A tunnel, the mouth of which brs. from Cor. No.1 N. 40° 30' E., 250 ft. 4 x 6 ft. running S. 80° W., 20 ft. to cave.

Value \$200.0

No. 3 A tunnel, the mouth of which brs. from Cor. No. 3 S. 23° 30' W., 410 ft. 4 x 6 ft. running S. 10° W., 15 ft. to face. From the mouth another tunnel 4 x 6 ft. running S. 50° E., 30 ft.

Total value \$450.0

INSTRUMENT.

This survey was made with a Gurley mountain transit, the courses were deflected from the true meridian, as determined by direct solar observations. The distances were measured with a 500 ft. steel tape.

REPORT.

The lode line of each location of this claim was run directly upon the ground and the corners were established by running around the claim. All tie lines were run directly upon the ground.

The Cor. to Secs. 27-28-33-34 T.3 S. R.29 E., is an iron pipe with brass cap stamped S. 27, S 28, S33 and S 34 T. 3 S., R.29 E.

U.S.M. M. No.2 consists of a md. of stone about 6 ft. base by 4 1/2 ft. high. The post has been destroyed. Its identity was determined beyond question from its relative position to the patented claims in the vicinity.

Sur. No. 2484, Carey, Trinidad No.6 and Go Between lodes.

MINERAL SURVEY NO. 3942
WEDGE LODE
REPORT - Cont'd.

All corners consist of pine posts 4 x 6 ins. 4 ft. above ground, properly set and scribed with the number of the corner and the survey.

I find all courses and distances to be correct as approved.

Sur. No.1751, Trinidad No. 5 lode. All corners are pine posts 4 ins. sq, properly set and scribed with the number of the corner and the survey. Lines 1-2 and 4-1 fail to furnish the courses as approved (S.72°10'E. and S.25°06' E. respectively) and same are properly given in these field notes.

Sur. No.1086 Copper King lode. All corners are pine posts 4 ins. sq properly set and scribed with the number of the corner and the survey.

Line 4-1 fails to furnish the course and distance as approved (S.17° 04'W. 1474.9 ft.) and same is properly given in these field notes .

ADJOINING CLAIMS.

- On the north by Sur. No. 2484 Go between lode
- On the east by Sur. Nos 1086 and 1751 Copper King and Trinidad No.5 lodes respectively.
- On the south by Sur. No.1751 Trinidad No.5 lode and Sur. No.2484 Carey lode.
- On the west by Sur. No.2484 Trinidad No.6 lode.

SOLAR OBSERVATION.

Direct solar observation taken Saturday April, 26 1924 at 2:28 PM solar time. Sun bisected. Lat. 33° 08' - Lon. 109°27'
Difference in time 9 h 45m

Apparent declination - 13°30' 49.8 "

	7' 50.9
Dec'l =	<u>13° 38'40.7 "</u>

P = 90° - Dec'l = 76°21' 20"

L = 33° 08'	Sin 1/2A = $\frac{\sin(S-L)(S-H)}{\cos L \cos H}$
H = 49° 38'	
P = <u>76° 21' 20"</u>	
2) <u>159° 07' 20"</u>	
79° 33' 40"	

S-L = 46° 25' 40"	9.8600421	
S-H = 29° 55' 40"	9.6980204	
	0.0770666	
	<u>0.1886417</u>	
	2) <u>19.8237708</u>	
	9.9118854	- 54°43'20" - 1/2 A
		109°26'40" - A.

180° - 109°26'40" = S 70° 33' 20" W. - bearing of sun.
130°50' 130° 50' 40" Ang. to right from sun.
201° 24'
180
N. 21° 24' E. Course of line

Set up at Cor. No. 1 Wedge, F. S. to Cor. No. 4.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by T.N. Stevens
 United States 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 _____
 _____ The Arizona Copper Company _____
 known as the WEDGE Lode _____
 and showing the respective capacities in which they acted.

I.P. Campbell _____, *Chainman.*
 _____, *Chainman.*
 _____, *Acman.*
 _____, *Flagman.*

FINAL OATHS OF ASSISTANTS.

We, I, I.P. Campbell _____
 and _____, do solemnly swear that we assisted _____
T.N. Stevens _____, United States Mineral Surveyor, in marking the corners and surveying
 the boundaries of the mining claim of The Arizona Copper Company _____

 known as the WEDGE Lode _____
 represented in the foregoing field notes as having been surveyed by said 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 instruc-
 tions furnished by the United States Surveyor-General for Arizona _____

I P Campbell _____, *Chainman.*
 _____, *Chainman.*
 _____, *Acman.*
 _____, *Flagman*

Subscribed and sworn to by the above-named persons before me this 6th
 day of May _____, 1924

[Signature] _____
Notary Public _____



FINAL OATH OF U. S. MINERAL SURVEYOR.

I, T.N. Stevens, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated March 21, 1924, 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 Arizona Copper Company, known as the WEDGE Lode, situate in Greenlee Gold Mountain Mining District, Greenlee County, Arizona, in Section 27-54, Township No. 3 S., Range No. 29 E., and designated as Survey No. 5942, 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.

T.N. Stevens
U. S. Mineral Surveyor.

Subscribed and sworn to by the said T.N. Stevens
U. S. Mineral Surveyor, before me R.W. Saugworthy a Notary Public
in and for Pima Co, Arizona this 20th
day of June, 1924

R.W. Saugworthy
Notary Public, Pima Co, Ariz

My own copy
July 19 1928

(4-688.)

U. S. SURVEYOR GENERAL'S FINAL CERTIFICATE ON
FIELD NOTES.

DEPARTMENT OF THE INTERIOR,

OFFICE OF U. S. SURVEYOR GENERAL,

Phoenix, Arizona,

July 25, 1924.

I, U. S. Surveyor General for District of Arizona,
do hereby certify that the foregoing transcript of the Field Notes, return and approval
of the Survey of the mining claim of

The Arizona Copper Company

, known as the WEDGE lode

, situate in Greenlee Gold Mountain

Mining District, Greenlee County,

Arizona, in Section 27 - 34, Township No. 3 S.

Range No. 29 E., and designated as Survey

No. 3942, has been correctly copied from the originals on
file in this office; that said Field Notes furnish such an accurate description of said
mining claim as will, if incorporated into 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.

And I further certify that five hundred dollars' worth of labor has been expended
or improvements made upon said mining claim by claimant or its grantors, and
that said improvements consist of 1 cut and 4 tunnels, total value
\$1100.

and that no portion of said labor or improvements has been included in the estimate of
expenditures upon any other claim.

I further certify that the plat thereof, filed in the U. S. Land Office at Phoenix,
Arizona, is correct and in conformity with the foregoing Field Notes.

Charles M. Donohoe

United States Surveyor General for Arizona.

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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,

July 25, 1924

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

The Arizona Copper Company

, known as the

WEDGE lode

situate in Greenlee Gold Mountain mining district,

Greenlee County, Arizona

in Section s. 27 - 34, Township No. 3 S., Range No. 29 E.

, designated as Survey No. 3942

executed by T. N. Stevens, U. S. Mineral

Surveyor, April 26 - 27, 1924, under my instructions dated

March 21, 1924, 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. The certified copy of the location certificate filed by the applicant for survey is

on file in this office and a true copy of said certified copy of said location certificate is included and

made a part of the transcript of the field notes.

Charles M. Donohoe

U. S. Surveyor General for Arizona.