

1 00-81923

4-683

MINERAL SURVEY No. 3911

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

The Arizona Copper Company

KNOWN AS THE

KEYSTONE NO. 6 EXTENSION lode.

Copper Mountain Mining District,

Greenlee County, Arizona.

Sections 7 and 8, Township 4 S., R. 29 E., Range 29 E.

Surveyed under instructions dated September 5, 1923

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

Claim located See location notice, 19

Survey commenced September 17, 1923

Survey completed September 18, 1923

Address of claimant J. P. Hodgson, Agt. and Atty in fact. Morenci, Arizona.

DATES OF AMENDED LOCATIONS.

Feet

MINERAL SURVEY NO. 3911

KEYSTONE NO. 6 EXTENSION LODE.

Beginning at Cor. No.1, identical with Loc. Mon.

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 1-K 6 Ex.-3911, whence the Cor. to Secs. 5-6-7 and 8 T. 4 S., R 29 E. brs. N. 4° 43' W., 454.2 ft.

No other bearings are available.

Thence S. 34° 37' E.
Va. 13° 30' E.

294.85

To E. end center.

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 E. Cr. K. 6 Ex.

515.50

Cor. No.1 Sur. No. 1867 Shoo Fly lode, claimant unknown, and Intersect line 4-1 Sur. No. 3346 Merriam lode, claimant unknown at S. 77°36'E., 663.25 ft. from Cor. No.1 and N. 77°36'W., 815.81 ft. from Cor. No.4, also at Cor. No.1 Sur. No. 1867 Shoo Fly lode, claimant unknown.

589.70

To Cor. No.2, identical with Loc. Mon. and Cor. No.2 Sur. No. 2859 Los Tajos lode, on line 1-2 Sur. No. 1867 Shoo Fly lode. at S. 34°37'E. 74.2 ft. from Cor. No.1

A quartzite rock 6 x 12 x 12 ins. above ground, set 12 ins in the ground, chiseled with cross (x) 2-L T, 2859, 2-K 6 Ex-3911 with md of stone 3 1/2ft. base by 3 ft high alongside.

A quartzite rock in place 12 x 18 ins. flush with the ground chiseled cross (x) 2-LT-2859, 2-K6 Ex-3911 - Br. Brs N. 34°37'W., 61.6 ft.

No other bearings are available.

Thence S. 55° 07' W.
Va. 13° 30' E.

1500.00

To Cor. No.3, identical with Loc. Mon. and Cor. Nos. 1-1, Sur. No. 2859 Palo Verde and Los Tajos lodes.

A porphyry rock 3 x 6 x 12 ins above ground, chiseled with cross (x) 1 PV, 1 LT -2859, 3 K 6 Ex-3911, with md. of stone 3 1/2 ft. base by 3 ft. high alongside.

Feet.

MINERAL SURVEY NO 3911

KEYSTONE No.6 EXTENSION Lode.--Cont'd.

A porphyry rock 12 x 12 ins showing 3 ins above ground (in place) chiseled with cross (x) 1-1,2859 , 3-3911 BR., brs S. 10° E. 9 ft.

No other bearings are available.

Thence N. 34° 37' W.

Va. 13° 30' E.

- 53.67 Intersect line ~~1-2~~³⁻⁴ Sur No.3346 Keystone No.10 lode at S. 3° 01' E., 31.14 ft. from Cor. No.~~1~~³ and N. 3° 01' W., 568.86 ft. from Cor. No.~~2~~⁴.
- 90.24 Intersect lines ~~4-1~~^{2-3 & 1-4} Keystone Nos 10 and 6 lodes at S. 86° 59' W., 19.16 ft. from Cor. Nos. ~~2-4~~^{3&4} respectively and N. 86° 59' E., 1480.84 ft. from Cor Nos. ~~2-1~~^{2 & 1}.
- 294.85 To W. end center.
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 W. Cr. K 6 Ex .
- 589.70 To Cor. No.4, identical with Loc. Mon.
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 4 K 6 Ex-3911
Cor. No. 4 Sur. No.3346 Gov. Taft lode brs. N. 85° 37' 30" E., 377.14 ft.
No other bearings are available.
Thence N. 55° 07' E.
Va. 13° 30' E.
- 330.71 To Cor. No. 3 Sur. No. 3346 Keystone No. 6 lode, on line 3-4
Sur. No. 3346 Perplexity lode at S. 86° 59' W. 109.3 ft. from Cor. No. 3 and N. 86° 59' E. 490.7 ft. from Cor. No. 4. Cor. No.3 said keystone No.6 lode brs. N. 3° 01' W., 600 ft from Cor. No.4 said lode.
- 466.08 Intersect line 4-1 Sur. No. 3346 Gov. Taft lode at N. 1° 31' E., 237.87 ft. from Cor. No4 and S 1° 31' W., 1262.13 ft. from Cor. No.1,
Also intersect line 2-3 Sur. No.3346 Perplexity lode at N. 1° 31' E., 71.69 ft. from Cor. No.3 and S. 1° 31' W., 954.57 ft. from Cor. No.2.
- 1078.20 Intersect line 1-2 Sur. No. 3346 Merriam lode at N. 12° 24' E., 41.56 ft. from Cor. No.1 and S. 12° 24' W., 558.44 ft from Cor. No.2.
- 1209.19 Intersect line 2-3 Sur. No.3346 Gov. Taft lode at N. 1° 31' E. 631.29 ft. from Cor. No.3 and S. 1° 31' W., 868.71 ft. from Cor. No.2. Cor.No.4 Said Gov.Taft lode brs. S.86° 59' W., 600 ft. from Cor.No.3 said lode
- 1500.00 To Cor. No.1, the place of beginning.

MINERAL SURVEY NO. 3911

KEYSTONE NO. 6 EXTENSION Lode.

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:-

170 ft. S. 55°07' W., and 1330 ft. N. 55°07' E.

AREA.

	No. 6	Acres
Total area Keystone	Extension No. 6 lode	----- 20.306 ✓

Area in conflict with:-

Sur. No. 3346 Keystone No. 10 lode ----- 0.007 ✓

Sur. No. 3346 Keystone No. 6 lode ----- 2.026 ✓

Sur. No. 3346 Perplexity lode ----- 0.089 ✓

Sur. NO. 3346 Gov. Taft lode ----- 5.968 ✓

Sur. No. 3346 Merriam lode ----- 2.812

Sur. No. 3346 Merriam lode

Exclusive of its conflict with Sur. No. 3346

Gov. Taft lode ----- 2.587

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

LOCATION.

This survey is located in N.E. 1/4 Sec. 7 and the N.W. 1/4 Sec. 8, T. 4S., R. 29 E., G. & S. R. M.

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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 said 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 shaft on the center line 170 ft. from the center of line 3-4, 4x6 ft. 10 ft. deep.

Value \$100.00

No. 2 A shaft, the center of which hrs. from Cor. No. 3 N. 38° E., 480 ft., 6 x 6 ft. 34 ft. deep.

Value \$510.00

INSTRUMENT.

MINERAL SURVEY NO. 3911

KEYSTONE NO.6 EXTENSION Lode-Cont'd.

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 the location of this claim was run directly upon the ground, and the corners were established by running around the claim.

The Cor. to Secs. 5-6-7 and 8, T. 4 S., R. 29 E. is an iron pipe with brass cap on top, stamped S.5, S.6, S.7- S.8 , T. 4 S., R.29 E.

Sur. No.3346 Keystone No.10, Keystone No.6, Perplexity, Gov. Taft, and Merriam lodes, all corners consist of pine posts properly set and scribed with the number of the Cor. and the Survey.

I find all courses and distances to be correct as approved. Sur. No.1867 Shoo Fly lode, Cor. No.1 consists of a md. of stone with no markings except a bearing rock nearby.

Sur. No.2859 Los Tajos lode Cor. No.2 consisted of a md. of stone with a bearing rock nearby. I set a quartzite rock 6 x 12 x 12 ins. above ground in the exact position of the original corner and properly chiseled it with the number of the corner and the survey.

Cor. Nos. 1--1- Los Tajos and Palo Verde lodes consist of a porphyry rock properly set and chiseled with the number of the Cor. and the Sur.

Line 1-2 Los Tajos lode fails to furnish the course as approved (N. 55°06 E.) and same is properly given in these field notes.

ADJOINING CLAIMS.

On the North by Sur. No.3346 Keystone No.6, Perplexity, Gov. Taft and Merriam lodes.

On the East by Sur No. 3346 Merriam lode and Sur. No.1867 Shoo Fly lode. On the South by Sur. No.2859 Los Tajos lode , and on the West by Sur. No.3346 Keystone Nos. 6 and 10 lodes.

do not include in transcript

MINERAL SURVEY No. 3911

KEYSTONE No.6 EXTENSION Lode.

SOLAR OBSERVATION.

Direct Solar Observation taken Monday September 17, 1923 at 2:13

P.M. Solar time . Sun bisected, Lat. 33° 06'. Lon. 109°23'

Difference in time 9h 30'

Apparent declination	2° 33' 30" ✓
	9' 10" ✓
Dec'l-	<u>2° 24' 20" ✓</u>

P = 90° - Dec'l = 87°35'40" ✓

L=	33° 06'
H=	46° 28'
P=	87° 35' 40"
2)	<u>167° 09' 40"</u>
S=	83° 34' 50"

$$\sin 1/2 A = \frac{\sqrt{\sin (S-L) (S-H)}}{\cos L \cos H}$$

S-L =	50° 28' 50" ✓
S-H =	37° 06' 50" ✓

	9.8872845 ✓
	9.7806062 ✓
	0.0769018 ✓
	0.1619217 ✓
2)	<u>19.9067142</u>
	9.9533571 = 63° 55' = 1/2 A
	127° 50' = A

180° - 127°50' = S.52° 10' W. ✓ = Course of sun.
 2° 57' = Ang. to right from Sun.
 S.55° 07' W. ✓ = Course of line.

Set up at Cor. No.2 F.S. to Cor. No.3

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 KEYSTONE NO. 6 EXTENSION Lode _____
 and showing the respective capacities in which they acted.

_____ John H. Dexter _____, *Chainman.*
 _____, *Chainman.*
 _____, *Asman.*
 _____, *Flagman.*

FINAL OATHS OF ASSISTANTS.

We, I, John H. Dexter _____
 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 KEYSTONE No. 6 EXTENSION 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. _____

John H. Dexter _____, *Chainman.*
 _____, *Chainman.*
 _____, *Asman.*
 _____, *Flagman.*

Subscribed and sworn to by the above-named persons before me this 6th _____
 day of December _____, 1923

My Commission Expires June 4, 1924

Label M. Lander _____
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 September 5 1923, 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 KEYSTONE NO. 6 EXTENSION Lode, situate in Copper Mountain Mining District, Greenlee County, Arizona, in Section^s 7 and 8, Township No. 4 S., Range No. 29 E., G. & S. R. M., and designated as Survey No. 3911, 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 Label M. Lander
a Notary Public this 6th
day of December, 1923

My Commission Expires June 4, 1924

Label M. Lander
Notary Public

(4-688.)

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

DEPARTMENT OF THE INTERIOR,
OFFICE OF U. S. SURVEYOR GENERAL,

Phoenix, Arizona.

February 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 KEYSTONE NO. 6 EXTENSION lode

, situate in Copper Mountain

Mining District, Greenlee County,

in Sections 7 and 8, Township No. 4 S.,

Range No. 29 E., and designated as Survey

No. 3911, 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 2 shafts, total value \$610.

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. Donahoe

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,

February 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

KEYSTONE NO. 6 EXTENSION lode

situate in Copper Mountain mining district,

Greenlee County, Arizona

in Sections 7 and 8, Township No. 4 S., Range No. 29 E.

, designated as Survey No. 3911

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

Surveyor, September 17 - 18, 1923, under my instructions dated

September 5, 1923, 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