

MINERAL SURVEY No. 3907

ARIZONA Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

SOUTHERN COPPER MINING COMPANY

KNOWN AS THE

Santo Nino No. 3 lode

Patagonia Mining District,

Santa Cruz County, Arizona, approximately in

Section 2, Township 24 S., Range 16 E., Uns.

Surveyed under instructions dated September 13, 1923.

by Edwin T. Stewart U. S. Mineral Surveyor.

Claim located November 2, 1909

Survey commenced September 18, 1923

Survey completed September 19, 1923.

Address of claimant's attorneys, Morris & Malott, Box 879, Globe, Arizona.

DATES OF AMENDED LOCATIONS.

July 31, 1917

Edwin T. Stewart
For Rec.

36/30

MINERAL SURVEY NO. 3907.

Santo Nino No. 3 lode.

Feet

Beginning at Cor. No. 1, identical with N.E. Cor. of the location.

A granite stone, 5 x 9 x 26 ins., chiseled cross at the exact corner and 1-S.N.3-3907 on the side facing the claim, set 12 ins. in the ground, with mound of stone alongside, whence

U.S.M.M. No.1 bears N.66°-42'E. 6190.5 ft.

Cor. No. 1, Santo Nino No. 1 lode, Sur. 3113, identical with Cor. No. 3, Santo Nino No. 5 lode, Sur. 3916, unapproved, bears N.77°-28'E. 44.0 ft.

A juniper tree, 12 ins. in diameter, blazed and scribed cross B.T. 3907, bears N.82°-00'E. 16.6 ft.

No other bearings available.

Thence S.05°-21'W.

- 21.28 Intersect line 4-1, Santo Nino No. 1 lode, Sur. 3113, S.55°-38'W. 54.47 ft. from Cor. No. 1
- 406.00 Road, course easterly and westerly.
- 1492.30 To Cor. No. 2, identical with S.E. Cor. of the location.
- A granite stone, 4 x 13 x 24 ins., chiseled cross at the exact corner and 2-S.N.3-3907 on the side facing the claim, set 12 ins. in the ground, with mound of stone alongside, whence
- An oak tree, 9 ins. in diameter, blazed and scribed cross B.T. 3907, bears N.85°-48'E. 15.2 ft.
- An oak tree, 24 ins. in diameter, blazed and scribed cross B.T. 3907, bears S.16°-37'W. 21.50 ft.
- No other bearings available.
- Thence S.54°-27'W.
- 396.30 To S.E.C. monument of the location.
- A monument of stone, 3 ft. base, 3 ft. high.
- 792.60 To Cor. No. 3, identical with S.W. Cor. of the location.
- A granite stone, 7 x 14 x 24 ins., chiseled cross at the exact corner and 3-S.N.3-3907 on the side facing the

claim, set 12 ins. in the ground, whence
 an oak tree, 10 ins. in diameter. blazed and scribed
 cross B.T. 3907, bears N.58°-26'E. 11.9 ft.

A granite stone, showing 4 x 12 x 15 ins. out of the
 ground, chiseled cross and B.R. 3907, bears S.50°-26'E.
 13.9 feet.

Cor. No. 2, Santo Nino lode, Sur. 3113 bears N.79°-02'W.
 211.0 feet.

No other bearings available.

Thence N.05°-21'E.

643.50 Intersect line 1-2, Santo Nino lode, Sur. 3113, N.23°-
 59'E. 657.3 ft. from Cor. No. 2 and S.23°-59'W. 804.3
 ft. from Cor. No. 1.

1492.30 To Cor. No. 4, identical with N.W. Cor. of the location.
 At the intersection of line 4-1, Santo Nino lode with
 line 4-1, Santo Nino No. 1 lode, both of Sur. 3113, be-
 ing N.66°-01'W. 271.2 ft. from Cor. No. 1 of said Santo
 Nino lode, and S.55°-38'W. 833.3 ft. from Cor. No. 1 of
 said Santo Nino No. 1 lode.

A granite stone, 4 x 12 x 24 ins., chiseled cross at the
 exact corner and 4-S.N.3-3907 on the side facing the
 claim, set 12 ins. in the ground,
 claim, with mound of stone alongside, whence

A juniper tree, 13 ins. in diameter, blazed and scribed
 cross B.T. 3907, bears S.02°-15'W. 3.1 ft.

A cross in granite in place, about which is chiseled
 B.R. 3907, bears N.62°-41'W. 9.80 ft.

No other bearings available.

Thence N.54°-27'E.

121.00 Road, course northwesterly and southeasterly.

396.30 To N.E.C. monument of the location, from which the
 discovery cut bears S.05°-21'W. 138.0 ft.

A monument of stone, 3 ft. base, 3 ft. high.

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

Mean magnetic variation at all corners, 13°-50'E.

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Lode Line.

As near as can be determined from present developments, the vein of this location extends N.05°-21'E. 138.0 ft. and S.05°-21'W. 1354.3 ft. from the discovery cut.

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Area.	Acres.	Acres.
Total area of Santo Nino No. 3 lode,		20.524 ✓
Area in conflict with:		
Santo Nino lode, Sur. 3113,	2.504 ✓	
Santo Nino No. 1 lode, Sur. 3113,	0.146 ✓	

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Adjoining and Conflicting Claims.

The Santo Nino^{No. 1} lode, Sur. 3113, owned by the claimant, conflicts on the north. The Side Issue lode, unsurveyed, owned by the claimant, adjoins on the east. An unknown claim, owner unknown, adjoins on the south. And, an unknown claim, unsurveyed, owner unknown; and the Santo Nino lode, Sur. 3113, owned by the claimant, conflicts on the west.

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Expenditure of Five Hundred Dollars.

I certify that the value of the labor and improvements made upon this 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, 2½ x 7 x 18 ft. (caved) the center of the face of which is on the lode line 138.0 ft. from the N.E.C. and which extends thence N.05° E. to toe. Value, \$40.00.

No. 2, 39 feet of cut and tunnel, 5 x 6 ft., the center of the toe of which bears N.81°-45'E. 165.0 ft. from a point on the lode line 143.6 ft. from the N.E.C., and which extends thence S.05°W. to face. Value, \$300.00.

A road which enters the claim through the north end line and extends in an easterly direction for a distance of approximately 510 feet, passing out of the east side line as shown by the plat of survey; value, \$600.00.

This road is 12 feet wide and is hard rock excavation

for its entire length. It was constructed by and at the expense of the claimant for the purpose of facilitating the development and mining of their group of claims, of which the Santo Nino No. 3 claim is one, and is necessary for the development and mining of said Santa Nino No. 3 claim in order to permit the hauling of mining tools and supplies onto the claim and the removal of the ore mined from the premises.

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Location.

This survey is located on unsurveyed land, in what will probably be ^{Sec. 9} T. 24 S., R. 16 E., G. & S.R.B. & M., in the Patagonia Mining District, Santa Cruz County, Arizona, and within the Coronado Nat'l Forest.

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Instrument and Determination of Meridian.

This survey was made with a $6\frac{1}{4}$ inch Berger transit. The courses were deflected from the true meridian as determined by direct Solar observations. The distances were measured with a 660 foot steel tape.

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Report.

U.S.M.M.No. 1, to which tie is given from Cor. No. 1, is an oak post, hewed to 8 ins. square, scribed U.S.M.M. No. 1, showing 5 feet above the ground, and surrounded by a monument of stone. Tie to this monument was computed through a traverse extending from Cor. No. 1 N.77°-28'E. 44.0 ft.; thence N.20°-20'W. 600.2 ft.; thence N.86°-13'E. 1358.5 ft.; thence N.27°-41'E. 668.1 ft.; thence N.74°-04'E. 4352.6 ft. to said monument.

Sur. 3113, Santo Nino and Santo Nino No. 1 lodes:

All the corners of these claims marking conflicting lines with this survey are 4 x 4 posts properly set and scribed. The disagreement between these notes and the bearing of line 4-1 of said Santo Nino lode; the bearing

of line 4-1 of said Santo Nino No. 1 lode and the bearing and distance of line 1-2 of said Santo Nino lode, as approved, is due to errors in Sur. 3113. The disagreement between the ties to U.S.M.M. No. 1 from Cors. 1 of the Santo Nino and Santo Nino No. 1 lodes, as computed through the lines of this survey, and these ties as approved, is due to errors in Sur. 3113.

The disagreement between these notes and the location notice is due to errors in the notice.

Edwin P. Sturark
United States Mineral Surveyor.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Edwin T. Stewart

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 _____

Southern Copper Mining Company

known as the Santo Nino No. 3 lode.

and showing the respective capacities in which they acted.

C.A. Pennington, Chainman.

_____, Chainman.

_____, Axman.

_____, Flagman.

FINAL OATHS OF ASSISTANTS.

We, _____

and I, C.A. Pennington, do solemnly swear that ^I we assisted _____

Edwin T. Stewart, United States Mineral Surveyor, in marking the corners and surveying

the boundaries of the mining claim of Southern Copper Mining Company

known as the Santo Nino No. 3 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 instructions furnished by the United States Surveyor-General for Arizona.

C.A. Pennington, Chainman.

_____, Chainman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to by the above-named persons before me this 30th

day of November, 19 23.

M. L. Harrison

My commission expires
November 12, 1924.

Notary Public, Gila
County, Arizona.

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, Edwin T. Stewart, U. S. Mineral Surveyor,
do solemnly swear that, in pursuance of instructions received from the United States
Surveyor General for Arizona, dated
September 13, 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 Southern Copper Mining Company
, known as the
Santo Nino No. 3 lode
situate in Patagonia Mining District,
Santa Cruz County, Arizona, approx. in Section
Sec. 9, Township No. 24 S., Range No. 16 E., unsurveyed
and designated as Survey No. 3907, 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 per-
petuated in strict accordance with the law, official regulations and instructions there-
under; 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.

E. T. Stewart
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Edwin T. Stewart
U. S. Mineral Surveyor, before me M. L. Harrison, a Notary Public,
this 30th
day of November, 19 23.

My commission expires
November 12, 1924.

M. L. Harrison
Notary Public, Gila
County, Arizona.

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

DEPARTMENT OF THE INTERIOR,

OFFICE OF U. S. SURVEYOR GENERAL,

Phoenix, Arizona.

January 23, 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

Southern Copper Mining Company

, known as the SANTO NIÑO NO. 3 lode

, situate in Patagonia

Mining District, Santa Cruz

County,

in Section Approx. 9, Township No. 24 S,

Range No. 16 E., Uns.

, and designated as Survey

No. 3907

, 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 shaft, 2 cuts and 2 tunnels, total
value \$685.

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.

Frank P. Trott

United States Surveyor General for 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,.....

.....January 23....., 1924

I, U. S. Surveyor General forDistrict of Arizona.....

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

.....Southern Copper Mining Company.....

....., known as the

.....SANTO NINO NO. 3 lode.....

situate inPatagonia..... mining district,

.....Santa Cruz..... County,Arizona.....

in Section Approx. 9....., Township No. 24 S......, Range No. 16 E...... Uns.

....., designated as Survey No. 3907.....

executed byEdwin T. Stewart....., U. S. Mineral

Surveyor,September 18 - 19....., 1923, under my instructions dated

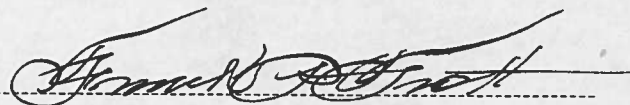
.....September 13....., 1923, have been critically examined and the necessary

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.



U. S. Surveyor General forArizona.....