

MINERAL SURVEY No. 3916

ARIZONA

Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

SOUTHERN COPPER MINING COMPANY

KNOWN AS THE

Santo Nino No. 5 lode

Patagonia

Mining District,

Santa Cruz

County, Arizona

Approx.

Section

9

, Township

24 S.,

Range

16 E.,

uns.

Surveyed under instructions dated September 13., 19 23.

by Edwin T. Stewart

U. S. Mineral Surveyor.

Claim located October 29., 19 09

Survey commenced September 20., 19 23.

Survey completed September 21., 19 23.

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

DATES OF AMENDED LOCATIONS.

September 21, 1917

MINERAL SURVEY NO. 3916.

Santo Nine No. 5 lode.

Feet	<p>Beginning at Cor. No. 1, identical with N.E. Cor. of the location.</p> <p>A pine post, 3 ft. long, 4 ins. sq., with nail at the exact corner, scribed 1-S.N.5-3916 on the side facing the claim, set on bed rock and surrounded by a monument of stone, whence</p> <p>U.S.M.M.No. 1 bears N.67°-52'E. 4720.1 ft.</p> <p>A cross on granite in place, flush with the surface of the ground, about which is chiseled B.R. 3916, bears S.40°-39'W. 6.60 ft.</p> <p>An oak tree, 9 ins. in diameter, blazed and scribed cross B.T. 3916, bears S.86°-56'E. 34.0 ft.</p> <p style="text-align: center;">No other bearings available.</p> <p style="text-align: center;">Thence S.20°-20'E.</p>
262.00	Bed of gulch, draining northeasterly.
300.20	To E.E.C. monument of the location.
	A monument of stone 3.5 ft base, 3 ft. high.
457.00	Road, course easterly and westerly.
600.20	To Cor. No. 2, identical with S.E. Cor. of the location.
	A granite stone, 6 x 6 x 26 ins., chiseled cross at the exact corner and 2-S.N.5-3916 on the side facing the claim, set 12 ins. in the ground, with mound of stone alongside, whence
	An oak tree, 12 ins. in diameter. blazed and scribed cross B.T. 3916, bears S.75°-05'W. 10.3 ft.
	No other bearings available.
	Thence S.86°-13'W.
1482.20	To Cor. No. 3, identical with S.W. Cor. of the location and Cor. No. 1, Santo Nino No. 1 lode, Sur. 3113.
	A pine post, 4 ins. sq., showing 2 ft. out of the ground, surrounded by a mound of stone, scribed S.N.1-1-3113, to which I add 3-S.N.5-3916 for this claim, whence
	A juniper tree, 12 ins. in diameter, blazed and scribed

B.T.S.N.1-1-3113, to which I add a cross and 3916, bears S.57°-27'W. 26.8 ft.

An oak tree, 10 ins. in diameter, blazed and scribed S.N.1-1-3113 B.T., to which I add a cross and 3916, bears S.61°-29'E. 13.2 ft.

Cor. No. 1, Santa Nino No. 3 lode, Sur. 3907, unapproved, bears S.77°-28'W. 44.0 ft.

No other bearings available.

Thence N.20°-20'W.

Along line 1-2 of said Santo Nino No. 1 lode.

- 10.00 Bed of gulch, draining northwesterly.
- 191.00 Road, course northwesterly and southeasterly.
- 300.00 To W.E.C. monument of the location, identical with E.E.C. of said Santo Nino No. 1 lode, from which the discovery shaft bears N.86°-13'E. 198.0 ft.
- A pine post, 4 ins. sq., with nail at the exact point, showing 3 ft. above the ground, surrounded by a monument of stone, scribed E.C.S.N.1, to which I add W.E.C.-S.N.5-3916 for this claim.
- 600.20 To Cor. No. 4, identical with N.W. Cor. of the location and Cor. No. 2 of said Santo Nino No. 1 lode.
- A pine post, 4 ins. sq., with nail at the exact corner, showing 2 ft. out of the ground, surrounded by a monument of stone, scribed S.N.1-2-3113, to which I add 4-S.N.5-3916 for this claim, whence
- An oak tree, 11 ins. in diameter, blazed and scribed B.T. S.N.1-2-3113, to which I add a cross only, bears N.68°-46'W. 35.75 ft.
- An oak tree, 9 ins. in diameter, blazed and scribed B.T. S.N.1-2-3113, to which I add a cross only, bears N.87°-48'E. 20.40 ft.
- A cross on granite in place, about which is chiseled B.R. 3916, bears S.75°-40'W. 8.05 ft.

No other bearings available.

Thence N.86°-13'E.

- 455.00 Road, course northerly and southerly
- 582.00 Bed of gulch, draining northwesterly.
- 744.00 Road, course easterly and westerly.
- 1012.00 Bed of gulch, draining southeasterly.
- 1482.20 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.86°-13'E. 1284.2 ft. and S.86°-13'W. 198.0 ft. from the discovery shaft.

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Area.

Total area Santo Nino No. 5 lode, 19.577 acres.

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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, within the Coronado Nat'l Forest.

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Adjoining and Conflicting Claims.

Unknown claims, owners unknown, adjoin on the north, east and south. And the Santo Nino No. 1 lode, Sur.3113, owned by the claimant, adjoins on the west.

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Expenditure of Five Hundred Dollars.

I hereby certify that 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 shaft; ^{on the lode line 198 ft from the Wend center} value, \$35.00. At the present time this shaft is practically filled with the

earth and rock from the road excavation on the hill side above it. From the size of the dump, however, I estimate that when dug it was at least the equivalent in size of a shaft, 4 x 6 x 8 ft. Value, \$35.00

No. 2, 35 ft. of cut and tunnel, 5 x 7 ft., the center of the toe of which bears S.51°-40'W. 77.0 ft. from a point on line 4-1, 610.8 ft. from Cor. No. 4, and which extends thence N.55°W. to face. Value, \$300.00.

No. 3, 41 ft. of cut and tunnel, 4 x 6 ft., the center of the toe of which bears N.54°-37'E. 129.2 ft. from a point on the lode line 22.3 ft. from the W.L.C., and which extends thence West to face. Value, \$350.00.

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Other Improvements.

A frame house, 14 x 34.5 ft., course of long sides S.38°W., the N.W. Cor. of which bears S.02°-12'W. 93.5 ft. from a point on line 4-1, 610.8 ft. from Cor. No. 4.

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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. sq., scribed U.S.M.M.No. 1, showing 5 ft. above the ground, and surrounded by a monument of stone. Tie to this monument was computed through a traverse extending from Cor. No. 1 S.86°-13'W. 123.7 ft.; thence N.27°-41'E. 668.1 ft.; thence N.74°-04'E. 4352.6 ft. to said monument.

Cors. 1 and 2 of the Santo Nino No. 1 lode, Sur. 3113,

are 4 x 4 posts, properly set and scribed. The disagreement between these notes and line 1-2 of said Santo Nino No. 1 lode as approved is due to errors in Sur. 3113. The disagreement between the tie line from Cor. No. 1 of said Santo Nino No. 1 lode as computed through the lines of this survey and this tie line as approved is due to error in Sur. 3113.

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

Edwin P. Stewart
United States Mineral Surveyor.

Yuma, Arizona,
December 1, 1913.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

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

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

Southern Copper Mining Company

known as the Santo Nino No. 5 lode,

and showing the respective capacities in which they acted.

C.A. Pennington, Chairman.
 _____, Chairman.
 _____, Axman.
 _____, Flagman.

FINAL OATHS OF ASSISTANTS.

We, _____

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

Edwin T. Stewart, United States ~~Deputy~~ 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. 5 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.

C.A. Pennington, Chairman.
 _____, Chairman.
 _____, Axman.
 _____, Flagman.

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

day of November, 1923., 190

M. L. Harrison

My commission expires
November 12, 1924.

Notary Public, Gila
County, Arizona.

4-686.

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. 5 lode, situate in Patagonia Mining District, Santa Cruz County, Arizona, approx. in Section APPROX. Sec. 9, Township No. 24 S., Range No. 16 E., Unsur., and designated as Survey No. 3916, 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.

Edwin 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, 1923.

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

My commission expires
Nov. 12, 1924.

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 NINO NO. 5 lode, situate in Patagonia Mining District, Santa Cruz County, Arizona, in Section Approx. 9, Township No. 24 S, Range No. 16 E., Unsur., and designated as Survey

No. 3916, 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.

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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,

..... January 23, 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

..... Southern Copper Mining Company

....., known as the

..... SANTO NINO NO. 5 lode

situate in Patagonia mining district,

..... Santa Cruz County, Arizona

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

....., designated as Survey No. ... 3916

executed by Edwin T. Stewart, U. S. Mineral

Surveyor, September 20 - 21, 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.

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U. S. Surveyor General for Arizona