

MAY 28 1915

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APR 5 - 1915

4-683.

Mineral Survey No. 3113

Lot No.

Arizona

Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

The Havalena Mining Company

KNOWN AS THE

Santo Nino, Santo Nino No. 1, and Santo Nino No. 2

Patagonia

Mining District,

Santa Cruz County, Arizona

Approximately

Section 9, Township 24 S., Range 16 E. unsurveyed
Coronado National Forest G. & S. R. B. & M.

Surveyed under instructions dated December 2, 1914,

by *William C. Goetz*
U. S. Deputy Mineral Surveyor

Claim located See amended location notices

Survey commenced March 4, 1915, 1

Survey completed March 5, 1915, 1

o 6-160

Address of Attorney-

Frank J. Duffy,
Nogales, Arizona.

Feet

Mineral Survey Number 3113

Santo Nino No. 2

Beginning at Cor. No. 1, identical with the N.E. Cor. of the ~~amended~~ location; a tack in a pine post 4 inches square by 4 feet long, set in a mound of stones 3 ft. base by $2\frac{1}{2}$ ft. high, and scribed S.N.2-1-3113; *U.S. Mineral Monument No. 1, Patagonia Mining District*
~~Cor. No. 3, Winnebago Chief lode, Min. Sur. No. 2402~~
 bears from this Cor. ~~N. $66^{\circ}44'$ E. 5379.8 ft.~~ ^{N. $56^{\circ}45'18''$ E. 7933.27 ft.} dist.;
 an Oak tree 15 inches in diameter and scribed S.N. 2-1-3113 B.T. bears N. $46^{\circ}47'$ E. 24.1 ft. dist.; an Oak tree 20 inches in diameter and scribed S.N.2-1-3113 B.T. bears N. $72^{\circ}18'$ W. 9.3 ft. dist.

Thence S. $57^{\circ}17'$ W

on line 1-2, ascending steep slope

1393.2 Cor. No. 2 identical with the S.E. cor. of the ~~amended~~ location; a tack in a pine post 4 inches square by 4 feet long, set in a mound of stones 3 ft. base by $2\frac{1}{2}$ ft. high, and scribed S.N.2-2-3113; a Juniper tree 10 inches in diameter and scribed S.N. 2-2-3113 B.T. bears from this cor. N. $21^{\circ}25'$ W. 8 ft. dist; and a Juniper tree 12 inches in diameter and scribed like last named tree bears S. $35^{\circ}12'$ E. 16.3 ft. dist.

Thence N. $65^{\circ}54'$ W.

on line 2-3, ascending across slope

355. S.E.C., identical with the S.E.C. of the ~~amended~~ location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 feet base by $2\frac{1}{2}$ feet high; across slope, very slightly descending,

710. Cor. No. 3, identical with the S.^{W.}E. cor. of the ~~amended~~ location; a tack in a pine post 4 inches square by 4 ft. long set in a mound of stones 3 ft. base by $2\frac{1}{2}$ ft. high, and scribed S.N. 2-3-3113. An Oak tree 20 inches in diameter and scribed S.N. 2-3-3113 B.T. bears from this cor. S. $30^{\circ}17'$ W. 42.8 ft. dist; and a Juniper tree

- Feet 36 inches in diameter and scribed like last named tree bears N.74°50' W. 40.3 ft. dist.
- Thence N.57°17' E.
- on line 3-4, descending steep slope,
908. small ravine running N., ascend
1173. top of small ridge; level, across slope
- 1393.2 cor. No. 4, identical with the N.W. cor. of the ~~amended~~ location; a tack in a Juniper post squared to 4 inches and 4 feet long, set in a mound of stones 3 ft. base by 2½ ft. high, and scribed S.N.2-4-3113. An Oak tree 6 inches in diameter and scribed S.N.2-4-3113 B.T. bears from this cor. S.40° 0' W. 17.3 ft. dist.
- Thence S.65°54' E.
- on line 4-1, ascending
125. top of ridge, descend
355. N.E.C. identical with the N.E.C. of the ~~amended~~ location; a tack in a Juniper stump 12 inches in diameter and 3½ ft. high, surrounded by a mound of stones 4 ft. base and 2½ ft. high.
- very steep descent
710. Cor. No. 1, the place of beginning.

Santo Nino

- Beginning at Cor. No. 1, identical with the N.E. Cor. of the ~~amended~~ location; a tack in a pine post 4 inches square by 4 feet long, set in a mound of stones 3 ft. base by 2½ ft. high, and scribed S.N.-1-3113. ^{U.S.} ~~Cor.~~ *Mineral Monument Nat, Patagonia Mining District,* No. 3 Winnebago Chief lode, Min. Sur. No. 2402 bears from this cor. ^{N. 63° 50' 35" E. 6780.36 ft.} ~~N.80°08'30" E. 4459.3 ft.~~ dist; an Oak tree 8 inches in diameter and scribed S.N-1-3113 B.T. bears S.60°56' W. 17.2 ft. dist; an Oak tree 9 inches in diameter and scribed like last named tree bears S. 48°50' E. 38.0 ft. dist.
- Thence S.24°06' W.
- on line 1-2, ascending
1112. top of ridge; descend

Feet

1467. Cor. No. 2, identical with the S.E. cor. of the ~~amended~~ location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2½ ft high, and scribed S.N.-2-3113, ^{On line 1-4 Santa Nino No. 2 lode of this survey, N. 65°54' W. 55 ft. from Cor. No. 1 thereof.} An Oak tree 6 inches in diameter and scribed S.N.-2-3113 B.T. bears from this cor. N.29°41' E. 16.9 ft. dist.

Thence N. 65°54' W.

on line 2-3, _____ along line 1-4 Santo Nino No. 2 lode of this survey,

300. S.E.C. identical with the S.E.C. of the ~~amended~~ location and with the N.E.C. of the Santo Nino No. 2 lode of this survey, *heretofore described.*

600. Cor. No. 3, identical with the S.W. cor. of the ~~amended~~ location, a tack in a pine post 4 inches square by 4 feet long set in a mound of stones 3 ft. base by 2½ ft. high and scribed S.N.-3-3113, ^{On line 1-4 Santa Nino No. 2 lode of this survey, S. 65°54' E. 55 ft. from Cor. No. 4 thereof.} An Oak tree 24 inches in diameter and scribed S.N.-3-3113 B.T. bears from this corner S.2°34' E. 12.2 ft. dist; another Oak 18 inches in diameter and scribed like last named tree bears N.13°51' E. 25.3 ft. dist.

Thence N.24°06' E.

on line 3-4, descending

842. ravine runs N.W., ascend

935.54 intersect line 4-1 Santo Nino No.1 lode of this survey N.55°54' E. 38.91 ft. from Cor. No. 4 thereof, *and S.55°54' W. 1460.79 ft. from Cor. No. 1 thereof.*

1020. top of ridge, descend

1350. wagon road runs N.E. and S.W.

1446. center of 8 ft. wash running N.E., bottom of cañon, ascend

1467. Cor. No. 4, identical with the N.W. cor. of the ~~amended~~ location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2½ ft. high, and scribed S.N.-4-3113. An Oak tree 14 inches in diameter and scribed S.N.-4-3113 B.T. bears from this cor. N.51°50' E. 14. ft. dist.

Feet

Thence S.65°54' E.
 on line 4-1, descending
 13. center of 8 ft. wash running N.E., bottom of cañon, ascend
 92. wagon road runs N.E. and S.W.
 300. N.E.C. identical with the N.E.C. of the ~~amended~~ loca-
 tion; a tack in a pine post 4 inches square by 4 ft.
 long, set in a mound of stones 3 ft. base by 2½ ft. high,
 329.52 intersect line 4-1 Santo Nino No. 1 lode of this survey
 N.55°54' E. 664.24 ft. from Cor. No. 4 thereof, and S.55°54' W.
 835.46 ft. from Cor. No. 1 thereof.
 600. Cor. No. 1, the place of beginning.

Santo Nino No. 1

Beginning at Cor. No. 1, identical with the S.E.
 cor. of the ~~amended~~ location; a tack in a pine post 4
 inches square by 4 ft. long, set in a mound of stones 3
 ft. base by 2½ ft. high, and scribed S.N.1-1-3113.
~~U.S. Mineral Monument No. 1, Patagonia Mining District,
 Cor. No. 3, Winnebago Chief lode, Min. Sur. No. 2402,~~
 bears from this cor. ~~N. 87° 19' 14" E. 3952.9 ft.~~ ^{N. 66° 52' 32" E. 6133.90 ft.} dist; an
 Oak tree 10 inches in diameter and scribed S.N. ~~1~~-1-3113
 B.T. bears S.52°48' E. 16 ft. dist.; a Juniper tree 12
 inches in diameter and scribed like last named tree
 bears S.76°15' W. 27.7 ft. dist.

Thence N.20°05' W.

on line 1-2, descending
 12. center of 8 ft. wash running N.E., in cañon, ascend
 188. wagon road runs N.E. and S.W.
 300. E.E.C., identical with the E.E.C. of the ~~amended~~ loca-
 tion; a tack in a pine post 4 inches square by 4 ft
 long set in a mound of stones 3 ft. base by 2½ ft. high.
 530. top of low ridge, on level
 600. Cor. No. 2, identical with the N.E. cor. of the ~~amended~~
 location; a tack in a pine post 4 inches square by 4 ft.
 long, set in a mound of stones 3 ft. base by 2½ ft.
 high, and scribed S.N.1-2-3113. An Oak tree 12 inches
 in diameter and scribed S.N.1-2-3113 B.T. bears from

Feet	
	<p>this corner N.67°05' W. 35.5 ft. dist; another oak tree 10 inches in diameter and scribed like last named tree bears N.87°30' E 21.2 ft. dist.</p> <p style="text-align: center;">Thence S.55°25' W.</p> <p>on line 2-3, ascending</p>
215.	low ridge, or break in slope, still ascending
1502.9	<p>Cor. No. 3, identical with the N.W. cor. of the amended location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2½ ft. high, and scribed S.N.1-3-3113; a Juniper tree 12 inches in diameter and scribed S.N.1-3-3113 B.T. bears from this corner N.11°50' E. 4.3 ft. dist.</p> <p style="text-align: center;">Thence S.20°05' E.</p> <p>on line 3-4, descending</p>
287.	<p>W.E.C. identical with the W.E.C. of the amended location, a tack in an Oak post squared to 4 inches and 4 ft. long, set in a mound of stones 3 ft. base by 2½ ft. high,</p>
303.	center of 8 ft. wash running N.E., in cañon, ascend, along side of ravine
377.	cross small ravine, ascend along side
587.	<p>Cor. No. 4, identical with the S.W. cor. of the amended location; a tack in a pine post 4 inches square by 4 ft. long, set in a mound of stones 3 ft. base by 2½ ft. high, and scribed S.N.1-4-3113. An Oak tree 18 inches in diameter and scribed S.N.1-4-3113 B.T. bears from this corner S.27°47' E. 25. ft. dist; another Oak tree 15 inches in diameter and scribed like the last named tree bears N. 35°15' E. 14. ft. dist.</p> <p style="text-align: center;">Thence N.55°54' E.</p> <p>on line 4-1, ascending</p>
38.91	<p>intersect line 3-4 Santo Nino lode of this survey S.24° 06' W. 531.46 ft. from Cor. No. 4 thereof, and N.24°06' E. 935.54 ft. from Cor. No. 3 thereof.</p>
105.	descend, across N. slope of ridge
664.24	<p>intersect line 4-1 Santo Nino lode of this survey N.65° 54' W. 270.48 feet from Cor. No. 1 thereof, and S.65°54' E. 329.52 ft. from Cor. No. 4 thereof.</p>
1499.7	Cor. No. 1, the place of beginning.

Lode Lines

As near as can be ascertained from surface indications and present development, the veins of the several locations embraced within this claim, extend from their respective discovery points as follows:

Sant^o Nino No. 2 Lode

N. 57°17' E 1093.2 ft. and S. 57°17' W. 300. feet.

Santo Nino Lode

N. 24°06' E. 783. feet and S. 24°06' W. 684. feet.

Santo Nino No. 1 Lode

N. 55°54' E. 1367.2 feet and S. 55°54' W. 132. feet

Areas

Total area Sant ^o Nino No. 2 lode		Acres	19.005
Total area Santo Nino Lode			20.207
Total area Santo Nino No. 1 Lode		Acres	19.825 19.825
Area in conflict with Santo Nino Lode ^{this survey}			<u>2.010</u>
Net area Santo Nino No. 1 Lode			17.815
Total Net area of this claim			59.027 57.027

Location

This survey is located approximately in Sec. 9, T.24 S. R. 16 E., unsurveyed, G. & S.R. B. & M., Patagonia Mining District, Coronado National Forest, Santa Cruz County, Arizona.

Adjoining Claims

This survey is adjoined on the N. by the Rich Man and Owl Lodes, owned by Louis Koller; on the E. by the Santo Nino No. 3 and No. 5 lodes, owned by The Havalena Mining Company, and two lodes, (names unknown) owned by John Casey et al; on the S. by 3 lodes (names unknown) owned by F. C. Stow; and on the W. by the Manion No. 5 and Manion (No. unknown), owned by Allen G. Fraser. All adjoining claims are unsurveyed.

Expenditure of Five Hundred Dollars.

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

Santo Nino No. 2 Lode

From S. E. C.

No. 1 - The discovery shaft, 4 x 6 ft. 10 ft. deep, bears N.57°17' E. 300 ft. dist. Value \$ 100.00

From the N.E.C.

No. 2 - A shaft 4 x 6 ft. 10 ft. deep bears S.64°27' W 339 ft. dist. Value \$ 100.00

To be credited from No. 2 and 4 of the Santo Nino lode of this survey a one-half interest Value 2672.00
Total Value \$ 2872.00

Santo Nino Lode

From the N.E.C.

No. 1 - The discovery shaft 4 x 6 ft. bears S.24°06' W. 783.0 ft. dist. and is 42 feet deep, connecting with No. 2, a tunnel Value \$ 420.00

From a point on the center line of the lode, distant S.24°06' W. 660.6 ft. from the N.E.C.

No. 2 - The mouth of a tunnel bears S.49°56' W. 117.8 ft. distant. The tunnel, 4x7 ft., bears from its mouth S.61°50' E. 47.8 ft. to the connection with the discovery shaft, thence S.19°40' W. 52.2 ft.; thence S.75°20' E. 25.4 ft. to the end. From a point in the tunnel dist. 47.8 ft. from its mouth a drift 3 x 4 ft. bears S.61°50' E. 12 ft. From another point in this tunnel dist. 68. ft. from its mouth it connects with a stope to the East, said stope being 10 x 18 ft. and 10 ft. high. In this stope a winze 4 x 6' descends 53 ft. to a connection with No. 4, another tunnel. Value \$2800.00

Less credit of one-half interest to Santo Nino No. 2 lode \$1400.00

Value of one-half interest \$1400.00

No. 3 - The mouth of a tunnel bears S.58°58' W. 43.3 ft. dist. The tunnel, 5 x 7 ft., bears S.5°35' W. 51.5 ft. At a point 34.4 ft. from its mouth a drift 4 x 6 ft. bears East 18.3 ft. At a point 43. ft. from its mouth is a winze 4 x 6 ft. 12 ft. deep.

Value \$ 688.00

No. 4 - The mouth of a tunnel bears N.52°16' W. 108.6 ft. dist. From its mouth the tunnel, 5 x 7 ft., bears S. 5°05' E. 212 ft. being pierced at a point 195 ft. from its mouth by the winze in the stope of No. 2.

Value \$2544.00

Less credit of one-half interest to

Santa Nino No. 2 lode

\$1272.00

Value of one-half interest \$ 1272.00

From Cor. No. 4

No. 5 - The mouth of a tunnel bears S.19°13' W. 415.7 ft. dist. From its mouth the tunnel, 4 x 6.5 ft., bears S. 37°28' E. 61. ft., thence S.47°32' W. 25.ft.

Value \$ 860.00

To be credited from No. 2 of the Santo Nino No. 1 lode of this survey a one-half interest

Value \$ 2800.00

Total Value \$ 7440.00

Santo Nino No. 1 Lode

From the W.E.C.

No. 1 - The discovery shaft, 5 x 6 ft. 20 ft. deep, bears N.55°54' E. 132. ft. dist. From the bottom of this shaft a drift 4 x 6 ft. bears N. 60°0' W. 10 ft.

Value \$ 300.00

No. 2 - The mouth of a tunnel bears S. 72°33' E. 162.5 ft. dist. The tunnel, 5.5 x 7 ft., bears S.19°19' E. 264. ft.; thence S.17°0' W. 45.6 ft.; thence S.45°0' W. 90.5 ft.

Value \$5600.00

Less credit for Santo Nino lode, this survey, a one-half interest Value \$2800.00

Value of one-half interest \$ 2800.00

Total Value \$ 3100.00

Note - Because of the topography of the ground being a very steep slope, with the S. end of the Santa Nino No. 2 lode at the high end and the N. end of the Santo Nino lode at the low end, I have credited a one-half interest of improvements Nos. 2 and 4 of the Santo Nino lode to the Santa Nino No. 2 lode; the Santo Nino No. 1 lode not being benefited by said improvements because they are situated at a higher level and extend in a direction away from said lode; and also a one-half interest of improvement No. 2 of the Santo Nino No.1 lode to the Santo Nino lode, as these improvements, in my opinion, will tend to help develop the lodes to which they are credited. No credit has been given the Santa Nino No. 2 lode from tunnel No. 2 of the Santo Nino No. 1 lode because this tunnel is in my opinion too far away and at too low a level to be of any benefit to said Santa Nino No. 2 lode,

Other Improvements.

The only other improvements existing on this claim are a wagon road, and trestles for dumping ore at the mouths of the various tunnels. These have no value pertaining hereto.

Instrument.

This survey was executed with a "Lietz Light Mountain Transit" graduated to minutes, and all courses were determined and deflected from a true meridian as determined by direct Polaris observation. The distances were measured with "Lufkin" 100 ft. and 300 ft. steel tapes, together with brass plummets.

Report.

Wherever improvements are located from points other than the various corners of the lodes, the same was done because a greater degree of accuracy was thereby obtainable.

U. S. Mineral Monument No. 1, Patagonia Mining District, to which this survey is tied, is an oak post squared to 6 inches and 4 feet long, set in a mound of stones 4 ft. base by 3.5 ft. high, and scribed U.S.M.M.NO.1

insert

All corners on the exterior boundary of this survey are identical with the coinciding corners of the respective adjoining unsurveyed lodes, and are so accepted by the respective owners of these lodes.

=====

Variation.

The variation at all corners was $13^{\circ}35'$ E.

William C. Goetz
U. S. Mineral Surveyor.

Tucson, Arizona, April 1, 1915.

I was informed while on the ground that the nearest point of the International Boundary line was about three miles distant from this claim. To tie to said boundary could not be done very accurately because of the dense brush, steep slopes and numerous cañons surrounding this claim.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by William C. Goetz
 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
The Havalena Mining Company
 known as the Santo Nino, Santo Nino No. 1, and Santo Nino No. 2
 and showing the respective capacities in which they acted.

Maxwell C. Milton, Chainman.
Arthur Pogue, Chainman.
 _____, Axman.
 _____, Flagman.

FINAL OATHS OF ASSISTANTS.

We, Maxwell C. Milton
 and Arthur Pogue, do solemnly swear that we assisted William
C. Goetz, United States ~~Deputy~~ Mineral Surveyor, in marking the corners and surveying
 the boundaries of the mining claim of The Havalena Mining Company
 known as the Santo Nino, Santo Nino No. 1, and Santo Nino No. 2
 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

Maxwell C. Milton, Chainman.
Arthur Pogue, Chainman.
 _____, Axman.
 _____, Flagman.

Subscribed and sworn to by the above-named persons before me this 10th

day of April, 1915

*My commission expires
 Feb. 19 - 1916*

James R. [Signature]
 Notary Public, Guadalupe, Arizona

(4-686.)

FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR

I, William C. Goetz, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated December 2, 1914, 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 Havalena Mining Company, known as the Santo Nino, Santo Nino No. 1, and Santa Nino No. 2, situate in Patagonia Mining District, Santa Cruz County, Arizona, in Section approximately 9, Township No. 24 S., Range No. 16 E. unsurveyed, G. & S. R. B. & M. and designated as Survey No. 3113, 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.

William C. Goetz
U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said William C. Goetz
U. S. Deputy Mineral Surveyor, before me Juanita Peralta
Notary Public Pinalo Arizona this 2nd
day of April, 1915,

Juanita Peralta
Notary Public Pinalo Arizona
gione

My commission expires Feb. 19-1916

AMENDED NOTICE OF MINING LOCATION

DEC 25 1914

Lode Claim

TO ALL WHOM IT MAY CONCERN:-

This mining claim, the name of which is the SANTO NINO 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 purposes of exploration and purchase by the Havalena Mining Company, a corporation organized under the laws of Arizona, the undersigned, on the 20th day of May, 1909.

The length of this claim is fifteen hundred (1500) feet, and we claim 783 feet in a northerly direction and 684 feet in a southerly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim together with 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 _____ to the _____.

The claim is situated and located in the Patagonia Mining District, in Santa Cruz County, in the State of Arizona, about _____ in a _____ direction from _____.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a monument of stone N. 24° 06' E., & a point in a _____ direction 783 feet from the discovery shaft (at which this notice is posted), being in the center of the northerly end line of said claim; thence N. 65° 54' W. 300 feet to a mound of stone, being the northwest corner of said claim; thence S. 24° 06' W. 1467 feet to a mound of stone, being at the southwest corner of said claim thence S. 65° 54' E. 300 feet to a mound of stone at the southerly end center of the _____ end of said claim; thence S. 65° 54' E. 300 feet to a mound of stone, being at the south east corner of said claim; thence N. 24° 06' E. 1467 feet to a mound of stone at the northwest corner of said claim; thence N. 65° 54' W. 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 to Revise and Codify the Laws of the Territory of Arizona", approved March 16, 1901.

This is an amended location notice of the Santa Nino mining claim located by Geo. W. Morris on the 20th day of May, 1909 and recorded in Book 11 of Records of Mines at page 442 in the office of the County Recorder of the aforesaid County, to which reference is hereby made and this amended Location Notice is made and posted to correct errors in the description in the original Location Notice.

Dated and posted on the ground this 29th day of May, 1914.

The Havalena Mining Company,

By E. K. Cumming, President.

This amended and additional location is made and filed without waiver of any previous right or rights acquired, made and secured under said former location.

Filed and recorded at request of J. Wells Smith, May 29th, A. D. 1914, at 2 P. M.

PHIL HEROLD, County Recorder.

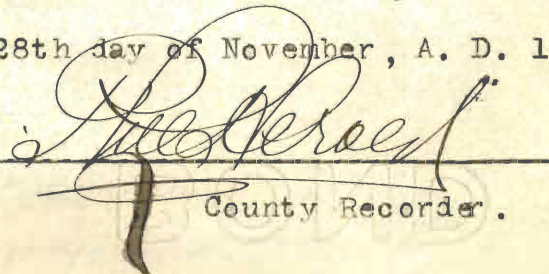
State of Arizona,)

s s.

County of Santa Cruz.)

I, Phil Herold County Recorder in and for the County and State aforesaid, do hereby certify that the foregoing is a full, true and correct copy of Amended Notice of Location of Santa Nino mining claim, situated in Patagonia Mining District, Santa Cruz County, Arizona, as the same appears of record in the Recorder's Office in Book 17 of Mining Locations at page 388.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal this 28th day of November, A. D. 1914.


County Recorder.

DL 2-1914

AMENDED NOTICE OF MINING LOCATION

Lode Claim

TO ALL WHOM IT MAY CONCERN:-

This mining claim, the name of which is the SANTO NINO NO. 1 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 purposes of exploration and purchase by the Havalena Mining Company, a corporation, organized under the laws of Arizona, the undersigned, on the _____ day of _____ 191_____.

The length of this claim is fifteen hundred (1500) feet, and we claim 132 feet in a westerly direction and 1368 feet in an easterly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with 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 _____ to the _____.

The claim is situated and located in the Patagonia Mining District, in Santa Cruz County, in the State of Arizona, about _____ in a _____ direction from _____.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a monument of stone S. 55° 54' W. at a point in a _____ direction 435.7 feet from the discovery shaft (at which this notice is posted), being in the center of the westerly end line of said claim; thence S. 20° 05' E. 300 feet to a mound of stone being the southwest corner of said claim; thence N. 55° 54' E. 1499.7 feet to a mound of stone, being at the south east corner of said claim; thence N. 20° 05' W. 300 feet to a mound of stone at the center of the easterly end of said claim; thence N. 20° 05' W. 300 feet to a mound of stone, being at the north west corner of said claim; thence S. 55° 24' W. 1499.3 feet to a mound of stone at the northwest corner of said claim; thence S. 20° 05' E. 287 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 to Revise and Codify the laws of the Territory of Arizona", approved March 16, 1901.

This is an amended Location Notice of the Santa Nine No. 1 mining claim, located by Geo. W. Morris, on the 3rd day of July, 1909, and recorded in Book 11 of Records of Mines at page 440 in the office of the County Recorder of the aforesaid County, to which reference is hereby made, and this amended Location Notice is made and posted to correct errors in the description in the said original Location Notice.

Dated and posted on the ground this 29th day of May, 1914.

The Havalena Mining Company,
By E. K. Cumming, President.

This amended and additional location is made and filed without waiver of any previous right or rights acquired, made and secured under said former location.

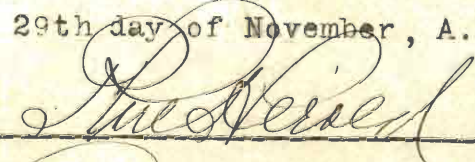
Filed and recorded at request of J. Wells Smith, May 29th, A. D. 1914, at 2 P. M.

Phil Herold, County Recorder.

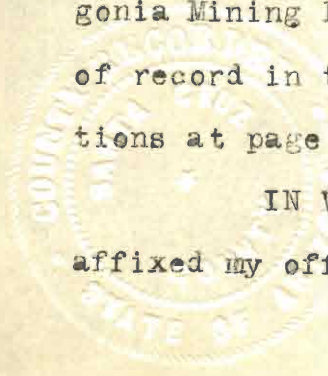
State of Arizona,)
 : s s.
County of Santa Cruz.)

I, Phil Herold County Recorder in and for the County and State aforesaid, do hereby certify that the foregoing is a full, true and correct copy of Amended Notice of Mining Location of Santa Nine No. 1 mining claim, situated in the Patagonia Mining District, Santa Cruz County, Arizona, as appears of record in the Recorder's Office in Book 17 of Mining Locations at page 389.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal this 29th day of November, A. D. 1914



County Recorder.



BOWD

AMENDED NOTICE OF MINING LOCATION

DEC 2-1914

Lode Claim

TO ALL WHOM IT MAY CONCERN:-

This mining claim, the name of which is the SANTA NINO NO. 2 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 purposes of exploration and purchase by the Havalena Mining Company, a corporation, organized under the laws of Arizona, the undersigned, on the _____ day of _____ 191__.

The length of this claim is fifteen hundred (1500) feet, and we claim 300 feet in a southwesterly direction and 1093 feet in a northeasterly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with 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 _____ to the _____.

The claim is situated and located in the Patagonia Mining District, in Santa Cruz County, in the State of Arizona, about _____ in a _____ direction from _____.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a monument of stone S. $57^{\circ} 17'$ W. at a point in a _____ direction 300 feet from the discovery shaft (at which this notice is posted), being in the center of the westerly end line of said claim; thence S. $65^{\circ} 54'$ E. 355 feet to a mound of stone, being the southwest corner of said claim; thence $57^{\circ} 17'$ E. 1393.2 feet to a mound of stone, being at the north east corner of said claim; thence N. $65^{\circ} 54'$ W. 355 feet to a mound of stone at the center of the easterly end of said claim; thence N. $65^{\circ} 54'$ W. 355 feet to a mound of stone, being the northeast corner of said claim; thence $57^{\circ} 17'$ W. 1393.2 feet to a mound of stone at the north west corner of said claim; thence S. $65^{\circ} 54'$ E. 355 feet to the place of beginning.

All done under the provisions of Chapter Six of Title XXII of the Revised Statutes of the United States, and of an Act of the General Assembly of Arizona, entitled "An Act to Revise and Codify the Laws of the Territory of Arizona", approved March 16, 1901.

This is an amended Location Notice of the Santa Nino No. 2 mining claim, located by Geo. D. Gross, on the 10th day of October, 1909, and recorded in Book 11 of Records of Mines, at page 550 in the office of the County Recorder of the aforesaid county of _____ to which reference is hereby made and this amended Location Notice is made and posted to correct errors in the description in the said original location notice.

Dated and posted on the ground this 29th day of May, 1914.

The Havalena Mining Company,
By E. K. Cumming, President.

This amended and additional location is made and filed without waiver of any previous right or rights acquired, made and secured under said former location.

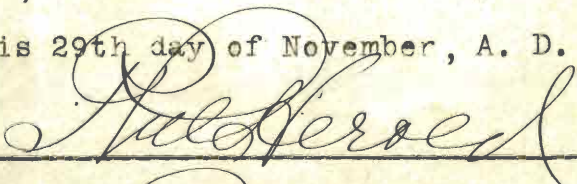
Filed and recorded at request of J. Wells Smith,
May 29th, A. D. 1914, at 2 P. M.

Phil Herold, County Recorder.

State of Arizona,)
 : s s .
County of Santa Cruz.)

I, Phil Herold County Recorder in and for the County and State aforesaid, do hereby certify that the foregoing is a full, true and correct copy of amended notice of location of the Santa Nino No. 2 mining claim, situated in the Patagonia Mining District, Santa Cruz County, Arizona, as the same appears of record in the Recorder's Office in Book 17 of Mining Locations at page 390.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal this 29th day of November, A. D. 1914.



County Recorder.

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 31, 1915.

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 HAVALENA MINING COMPANY

known as the SANTO NINO, SANTO NINO NO. 1, SANTA NINO NO. 2.

situate in PATAGONIA

Mining District, SANTA CRUZ County, ARIZONA, Approx.

in Section 9, Township No. 24 S., Range No. 16 E., unsur., and

designated as Survey No. 3113, 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 improve-
or for each of
ments made upon said mining claim by claimant or its grantors, and that said improvements
consist of 4 shafts, 5 tunnels, 3 drifts, 1 stope and 2 winzes, total
value \$13412. Improvements Nos. 2 and 4 on the Santo Nino lode
being common improvements for the benefit and development of the
Santo Nino and Santa Nino No. 2 lodes, and of no benefit to the
Santo Nino No. 1 lode, an undivided one-half interest in each of
said improvements, value \$1400 and \$1272, respectively, is cre-
dited to each the Santo Nino and Santa Nino No. 2 lodes. Im-
provement No. 2 on the Santo No. 1 lode being for the common ben-
efit of the Santo Nino No. 1 and Santo Nino lodes, and only such
lodes, an undivided one-half interest therein, value \$2800, is
properly credited to each of said lodes.

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 S. Ingalls,

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,

July 31, 1915.

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 HAVALENA MINING COMPANY

....., known as the

SANTO NINO, SANTO NINO NO. 1, SANTA NINO NO. 2.

situate in PATAGONIA mining district,

SANTA CRUZ County, ARIZONA, Approx.

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

....., designated as Survey No. 3113

executed by William C. Goetz, U. S. Deputy Mineral

Surveyor, March 4-5, 1915, under my instructions dated

December 2, 1914, have been critically examined and the necessary cor-

rections 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.

Frank S. Ingalls

U. S. Surveyor-General for Arizona.