

JUL 7- 1914

(4-683.)

Mineral Survey No. 3133

Lot No.

ARIZONA Land District.

## FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

UTAH-ARIZONA GOLD + COPPER DEVELOPMENT CO.

KNOWN AS THE

TUMACACORI, TUMACACORI NO. 2

SOPORI Mining District.

SANTA CRUZ County, ARIZONA.

Section <sup>Sur.</sup> 31 & 32 Unsur. Township 20 South, Range 12 East, and  
Section 6, Township 21 South, Range 12 E. (unsurveyed)

Surveyed under instructions dated May 19, 1914.

by Edgar C. Dietrich,  
U. S. Deputy Mineral Surveyor

Claim located See location notices, 1914

Survey commenced May 25, 1914

Survey completed May 26, 1914

Address:

~~Utah-Arizona Gold and Copper Development Company,~~  
Philip Contzen, Attorney for claimant,  
P.O. Box 435, Tucson, Arizona.

1.

Feet.

U. S. Mineral Survey No. 3133.

Tumacacori

Beginning at Cor. No. 1, identical with the location, which is a redwood post 4" x 4" x 4', set 18" in the ground and surrounded by a mound of stone, I mark same 1-T-3133, on its northerly face.

The Stand. Cor. to Secs. 31 - 32, T. 20 S., R. 12 E., G. & S. R. B. & M. bears S.10°-36'E., 535.9 feet distant.

A mesquite tree, 8" in diam., bears S.85°-50'E., 96' dist.

A mesquite tree, 8" in diam., bears S.11°-15'E., 92' dist.

Both blazed and scribed 1-T-3133-B.T.

Thence N.41°-30'W.

Var. 13°-05'E.

Over descending ground.

300 South-westerly end center monument, identical with the location, which is a redwood post 4" x 4" x 4', set 18" in the ground and surrounded by a mound of stone.

600 To Cor. No. 2, identical with the location which is a redwood post 4" x 4" x 4', set 18" in the ground and surrounded by a mound of stone. I mark same 2-T-3133 on its easterly face.

No bearing trees nor bearing rocks available.

Thence N.48°-30'E.

Var. 13°-05'E.

Over ascending ground.

625 Top of ascent also road bearing northerly and southerly.

661.3 Intersect section line between Secs. 31 - 32, T. 20 S., R. 12 E. at a point from which the  $\frac{1}{4}$  sec. cor. between Secs. 31 - 32 bears N.0°-02'W., 1224.1 feet distant.

Standard Cor. to Secs. 31 - 32, T. 20 S., R. 12 E. bears S.0°-02'E., 1414.4 feet distant.

1040 Wash, 8 feet wide, course north-westerly, begin ascent.

1500 To Cor. No. 3, identical with the location, which is a redwood post 4" x 4" x 4', set 18" in the ground and surrounded by a mound of stone. I mark same 3-T-3133 on its southerly face.

Feet.	<p>A cross on a granite boulder in place, bears S. 50°-42'E., 86 feet distant. This boulder is 3'x3'x3' above ground.</p> <p>A cross on a granite boulder in place, 15' x 4' x 3' above ground, bears S. 56°-35'W., 18 feet distant.</p> <p>Both of these boulders are chisled 3-T-3133-BR.</p> <p>The <math>\frac{1}{4}</math> sec. cor. between Secs. 31 - 32, T. 20 S., R. 12 E. bears N. 43°-15'W., 917.7 feet distant.</p> <p>Guy's house, bears N. 30-15'W., about 3600 feet distant.</p> <p style="text-align: center;">Thence S. 41°-30'E.</p> <p style="text-align: center;">Var. 13°-05'E.</p> <p>Over ascending ground.</p> <p>300 North-easterly end center monument, identical with the location, which is a redwood post 4" x 4" x 4' set 18" in the ground and surrounded by a mound of stone.</p> <p>600 To Cor. No. 4, identical with the location, which is a redwood post 4" x 4" x 4' set 18" in the ground and surrounded with a mound of stone. I mark same 4-T-3133 on its westerly face.</p> <p>A cross on a granite boulder, 3 x 3 x 4 feet above ground bears N. 47°-45'E., 36.5 feet distant.</p> <p>A cross on a granite boulder 2 x 3 x 3 feet above ground bears S. 44°-30'E., 12 feet distant.</p> <p>Both of these boulders are chisled 4-T-3133-BR.</p> <p>The Stand. Cor. to Secs. 31 - 32, T. 20 S., R. 12 E., bears S. 33°-58'-45"W., 1833.8 feet distant.</p> <p style="text-align: center;">Thence S. 48°-30'W.</p> <p style="text-align: center;">Var. 13°-05'E.</p> <p>Over descending ground.</p> <p>400 Wash, 8 feet wide, course north-westerly, begin ascent .</p> <p>1100 Top of ascent, begin descent.</p> <p>1368.9 Intersect section line between Secs. 31-32, T. 20S., R. 12E. at a point from which the <math>\frac{1}{4}</math> cor. between Secs. 31 - 32 bears N. 0°-02'W., 2024.8 feet distant.</p> <p>The Standard Cor. to Secs. 31-32, T. 20 S., R. 12 E., bears S. 0°-02'E., 613.7 feet distant.</p> <p>1500 To Cor. No. 1, the place of beginning.</p>
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Tumacacori No. 2

Beginning at Cor. No. 1, identical with the location and with Cor. No. 1 of the Tumacacori lode of this survey as previously reset and described by me. I mark same 1-T2-3133 on its westerly face.

A mesquite tree, 8" in diam., bears S. 85°-50'E., 96' dist.

A mesquite tree, 8" in diam., bears S. 11°-15'E., 92' dist.

Both of these trees are blazed and scribed 1-T-3133 BT.

I scribe same 1-T2-3133-BT.

The Stand. Cor. to Secs. 31-32, T. 20 S., R. 12 E., G. & S. R. B. & M. brs. S. 10° 36' E. 535.9 ft. dist. Thence N. 41°-30' W.

Var. 13°-05' E.

Along Line 1 - 2 of the Tumacacori lode, of this survey, as previously described by me.

300 North-easterly end center monument, identical with the location and with the south-westerly end center monument of the Tumacacori lode of this survey as previously described by me.

600 To Cor. No. 2, identical with the location, and with Cor. No. 2, of the Tumacacori lode, of this survey, as previously reset and described by me. I mark same 2-T2-3133 southerly face.

No bearing trees nor bearing rocks available.

Thence S. 48°-30' W.

Var. 13°-05' E.

Over descending ground.

330 Wash, 5 feet wide, course north-westerly, begin ascent.

1473.2 Intersect Fourth Stand. Parallel South at a point on the south line of Sec 31, T. 20 S., R. 12 E., from which the Stand. Cor. to Secs. 31-32 bears East, 1599.5 feet dist., and the Stand.  $\frac{1}{4}$  Cor. to Sec. 31 bears W., 1039.5' dist.

1500 To Cor. No. 3 identical with the location, which is a red-wood post 4" x 4" x 4' set 18" in the ground and surrounded with a mound of stone. I mark same 3-T2-3133 on its easterly face.

A mesquite tree, 6" in diam., bears N. 69°-30' W., 45.7' dist.

No other bearing trees nor bearing rocks available.



The 1/4 sec. cor. between Secs. 31-32, T. 20 S., R. 12 E., bears N.31°-20'-45"E., 3110.3 feet distant.

Thence S.41°-30'E.

Var. 13°-05'E.

Over ascending ground.

300 South-westerly end center monument, identical with the location, which is a redwood post 4" x 4" x 4', set 18" in the ground and surrounded by a mound of stone.

600 To Cor. No. 4, identical with the location, which is a redwood post 4" x 4" x 4', set 18" in the ground and surrounded by a mound of stone. I mark same 4-T2-3133 on its northerly face.

A cross on a granite boulder in place, 2' x 2' x 2' above ground, bears West 27 feet distant.

A cross on a granite boulder, 2' x 2' x 3' above ground bears S.6°-50'E., 37feet distant.

On each of these boulders, I chisel 4-T2-3133-BR.

The Stand. Sec. Cor. to Secs 31-32, T. 20 S., R. 12 E., Bears N.69°-04'-45"E., 1308.3 feet distant.

Thence N.48°-30'E.

Var. 13°-05'E.

Over descending ground.

705.0 Intersect Fourth Standard Parallel South at a point from which the Stand. Cor. to Secs. 31-32, T. 20 S., R. 12 E., bears East, 694.0 feet distant, and the Stand. 1/4 Cor. to Sec. 31 bears West, 1945.0 feet distant.

1200 Wash, 5 feet wide, course north-westerly, begin ascent.

1500 To Cor. No. 1, the place of beginning.

-AREA.

Area of the Tumacacori lode -----20,661 A.

Area of the Tumacacori No. 2 lode -----20,661 A.

Total acreage both lodes -----41,322 A.

LOCATION.

These claims are located in Sections 31, <sup>Sur.</sup> and 32, <sup>Unsur.</sup> T. 20 S., R. 12 E., Gila and Salt River Base and Meridian and in Sec. 6, T. 21 S., R. 12 E. (unsurveyed), in the Sopori Mining District

Santa Cruz County, Arizona, and are partially located within the boundaries of the <sup>Coronado</sup> ~~United States~~ National Forest Reserve.

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ADJOINING CLAIMS.

These claims are bounded on the north-west by vacant ground and the Guy lode (claimed by the Utah-Arizona Gold & Copper Development Co.); on the north-east by vacant ground; on the south-east by the Tumacacori No. 4 lode and the Juliet lode (claimed by the Utah-Arizona Gold & Copper Development Co.); and on the south-west by the Tumacacori No. 3 lode (claimed by the Utah-Arizona Gold & Copper Development Co.), all unsurveyed.

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PRESUMED COURSE OF VEINS.

The presumed course of the vein of the Tumacacori lode is from the north-easterly end center monument S.48°-30'W., 990 feet to the discovery and continuing on the same course an additional distance of 510 feet to the south-westerly end center monument.

The presumed course of the vein of the Tumacacori No. 2 lode is from the north-easterly end center monument, S.48°-30'W., 500 feet to the discovery and continuing on the same course an additional distance of 1000 feet to the south-westerly end center monument.

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EXPENDITURE OF FIVE HUNDRED DOLLARS.

I hereby certify that the value of the labor and improvements on these claims, placed thereon by the claimant or its grantors, is not less than Five Hundred Dollars for each claim, and that said improvements consist of:-

Tumacacori Lode.

From South-westerly end center monument,

No. 1, Discovery Shaft, 4x6x10 feet, bears N.48°-30'E., 510 feet distant.	Value	\$50.00
No. 2, Shaft, 4x6x56 feet, bears N.32°-00'E., 540 feet distant,	Value	\$560.
Value apportioned to this lode,		\$280.00
No. 3, Shaft, 4x6x20 feet, bears N.28°-45'E., 520 feet distant,	Value	150.00

No. 4, Cut, 4x6x10 feet, bears  
N.28°-00'E., 440 feet distant. Value \$50.00

No. 5, Cut, 4x6x10 feet, bears  
N.25°-30'E., 470 feet distant. Value 50.00

No. 6, Tunnel, 4x6x20 feet, course East.  
bears N.1°-00'E., 250 feet distant. Value 100.00

From Cor. No. 2:

No. 7 Shaft, 4x6x28 feet, bears  
N.60°-00'E., 535 feet distant. Value 200.00

No. 8, Shaft, 4x6x10 feet, bears  
N.57°-00'E., 540 feet distant. Value 70.00

No. 9, Tunnel, 4x6 feet, the mouth  
of which bears N.55°-00'E., 485 feet  
distant; thence in tunnel, S.79°E.,  
50 feet to a point, from which a cross-cut  
4x6 feet extends S.7°W., 15 feet; from the  
above point run S.60°E., 10 feet to a sec-  
ond point from which a drift 4x6 feet ex-  
tends S.26°E., 25 feet; from this second  
point run S.60°E., 30 feet to a third point  
from which a drift 4x6 feet extends S.66°W.,  
40 feet; from this third point run S.8°E.,  
35 feet; thence S.84°W., 55 feet to the  
breast. Value of this tunnel \$1300.

This tunnel together with shaft No. 2, being  
centrally located and being situated at the  
most accessible point on these claims for a  
general working, will form, together with  
future extensions, drifts and cross-cuts, a  
practicable and feasible working for the extraction  
of the ores of both of these lodes, the ore bodies lying  
apparently in the same plane. I

therefor apportion one-  
half of the value of this tunnel and one-half  
of the value of Shaft No. 2, to each of these  
lodes. Value of tunnel apportioned to this lode \$650.00  
Total value of the improvements on this lode. \$1600.00

Tumacacori No. 2 Lode.

From the north-easterly end center monument:

No. 1, Discovery Shaft, 4x6x10 feet, bears

7.

	S.48°-30'W., 500 feet distant	Value	\$70.00
Note:	One-half of the value of Shaft No. 2,		
	Tumacacori lode, apportioned to this lode.	Value	280.00
Note:	One-half of the value of Tunnel No. 9,		
	Tumacacori lode, apportioned to this lode.	Value	<u>650.00</u>
	Value of improvements this lode.		\$1000.00
	Value of improvements Tumacacori lode.		<u>1600.00</u>
	Total value of improvements both lodes.		\$2600.00

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#### INSTRUMENTS.

This survey was made with a Seelig and Sons transit graduated to 30 seconds on the horizontal limb. The tapes used were a 300 foot steel ribbon tape graduated to tenths of a foot and a 100 foot steel ribbon tape graduated to hundredths of a foot.

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#### POLARIS OBSERVATION.

At 3h24m A.M., May 25, 1914, l.m.t., I observe Polaris at eastern elongation, and mark the line thus established by driving an iron pin in the ground 400 feet north of the Standard Cor. to Secs. 31-32, T. 20 S., R. 12 E.,

At 7h 15m, A.M., May 26, l.m.t., from the line previously marked, I deflect 1°-22' to the west and from the meridian thus established are deflected the lines of this survey.

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*Edgar C. Dietrich*

U. S. Mineral Surveyor.

Survey Commenced May 25, 1914.

Survey Completed May 26, 1914.



# FINAL OATHS FOR SURVEYS.

## LIST OF NAMES.

A list of the names of the individuals employed by Edgar C. Dietrich  
 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 Utah-Arizona  
Gold & Copper Development Co.  
 known as the Tumacacori, ----- Tumacacori No. 2  
 and showing the respective capacities in which they acted.

Arthur Pogue -----, Chainman.  
Budd Dozier -----, Chainman.  
Budd Dozier -----, Axman.  
Arthur Pogue -----, Flagman.

## FINAL OATHS OF ASSISTANTS.

We, Arthur Pogue  
 and Budd Dozier -----, do solemnly swear that we assisted Edgar C.  
Dietrich -----, United States ~~Deputy~~ Mineral Surveyor, in marking the corners and surveying  
 the boundaries of the mining claim of Utah-Arizona Gold & Copper Development  
Co.  
 known as the Tumacacori, ----- Tumacacori 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

Arthur Pogue -----, Chainman.  
Budd Dozier -----, Chainman.  
Budd Dozier -----, Axman.  
Arthur Pogue -----, Flagman.

Subscribed and sworn to by the above-named persons before me this 20th

day of June, 1914. -----, ~~1900~~  
 My commission expires February 29th, 1916.

H. G. Power  
 Notary Public, Pima County, Arizona

(4-686.)

FINAL OATH OF U. S. ~~DEPUTY~~ MINERAL SURVEYOR

I, Edgar C. Dietrich, U. S. ~~Deputy~~ Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated May 19, 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 Utah-Arizona Gold & Copper Development Co., known as the Tumacacori, Tumacacori No. 2, situate in Sopori Mining District, Santa Cruz County, Arizona, in Sections 31<sup>Sur.</sup> and 32<sup>Unsur.</sup>, Township No. 20 S., Range No. 12 East, and Sec. 6, T. 21 S., R. 12 E., G&SRM (unsurveyed) and designated as Survey No. 3133, 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.

*Edgar C. Dietrich*  
 U. S. ~~Deputy~~ Mineral Surveyor.

Subscribed and sworn to by the said Edgar C. Dietrich  
 U. S. ~~Deputy~~ Mineral Surveyor, before me a Notary Public in and  
for Pima County, Arizona this 20th  
day of June, 1914  
 My commission expires February 29th, 1916.

*H. G. Powers*

Notary Public, Pima County, Arizona



A M E N D E D  
 Notice of Mining Location  
 Lode Claim

MAY 19 1914

TO ALL WHOM IT MAY CONCERN:-

This mining claim, the name of which is the TUMACACORI 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 W. Scott Crismon, a citizen of the United States and James Guy, the undersigned, on the 7th day of February, 1914. United States

The length of this claim is 1500 feet, and we claim 500 feet in a south westerly direction and 1000 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 North Easterly and South Westerly.

The claim is situated and located in the Soperi Mining District, in Santa Cruz County, in the State of Arizona, about 5 miles in a southerly direction from Tomas Elias ranch, and is also situated in Section 31 and 32, T. 20, South R. 12 E. & G. and S. R. meridian.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a post in a mound of stones at a point in a south westerly direction 500 feet from the discovery shaft (at which this notice is posted,) being in the center of the south end line of said claim; thence South Easterly 300 feet to a post in a mound of stones, being the south east corner of said claim; thence North Easterly 1500 feet to a post in a mound of stones, being at the North East corner of said claim; thence North westerly 300 feet to a post in a mound of stones at the center of the north end of said claim; thence north westerly 300 feet to a post in a mound of stones being at the north west corner of said claim; thence South



Westerly 1500 feet to a post in a mound of stones at the South West corner of said claim; thence South Easterly 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 Locations Notice of the TUMACACORI Mining Claim, located by James Guy on the 24th day of November, 1912, and recorded in Book 16 of Records of Mines, at pages 37 & 38 in the office of the County Recorder of the aforesaid County of Santa Cruz, 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 7th day of February, 1914.

W. SCOTT CRISMON

JAMES GUY.

Filed and recorded at request of James Guy, Mar. 7, A. D. 1914. at 4:15 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 Location Notice of the Tumacacori Mining Claim, situate in Soperi Mining District, Santa Cruz County, Arizona, as the same appears of record in my office in Book 17 of Mining Locations at page 344

Witness my hand and seal of office this 14th day of March, A. D. 1914.

  
County Recorder.



## AMENDED

## NOTICE OF MINING LOCATION

Lode Claim

MAY 19, 1914

TO ALL WHOM IT MAY CONCERN:-

This Mining Claim, the name of which is the TUMACACORI 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 W. Scott Crismon, a who has declared his intention to become a citizen of the United States citizen of the United States and James Guy, the undersigned on the 9th day of February, 1914.

The length of this claim is 1500 feet and we claim 500 feet in a north easterly direction and 1000 feet in a south westerly 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 North Easterly and South Westerly.

The claim is situated and located in the Sopori Mining District, in Santa Cruz County, in the State of Arizona, about 5 miles in a southerly direction from Tomas Elias ranch and is also situated in Section 31, T. 20, S. R. 12 E. and Section 6, T. 21, S. R. 12 E. and is bounded on the North by Tumacacori lode.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a post in a mound of stones at a point in a North Easterly direction 500 feet from the discovery shaft (at which this notice is posted) being in the center of the North end line of said claim; thence South Easterly 300 feet to a post in a mound of stones being the North East corner of said claim; thence South Westerly 1500 feet to a post in a mound of stones being at the South East Corner of said claim; thence North Westerly 300 feet to a post in a mound of stones at the center of the south end of said claim; thence North Westerly 300 feet to a post in a mound of stones being at the South West corner of said claim; thence



North Easterly 1500 feet to a post in a mound of stones at the North West corner of said claim; thence South Easterly 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 TUMACACORI NO. 2. Mining Claim, located by James Guy on the 24th day of November, 1912, and recorded in Book 16 of Records of Mines, at page 37, in the office of the County of the County Recorder of the aforesaid County of Santa Cruz, 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 9th day of February, 1914.

W. SCOTT CRISMON

JAMES GUY.

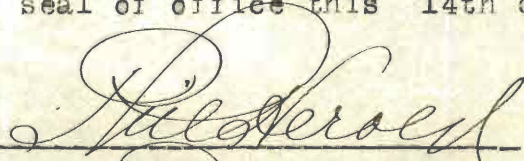
Filed and recorded at request of James Guy, Mar. 7, A. D. 1914 at 4:15 P. M.

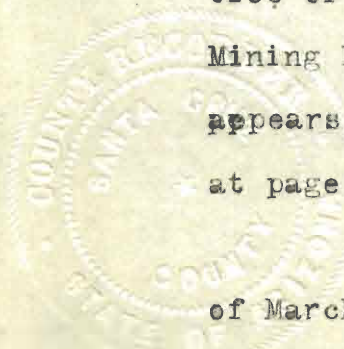
Phil Herold, County Recorder.

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 Location Notice of the TUMACACORI NO. 2. mining claim, situated in Sopori Mining District, Santa Cruz County, Arizona, as the same appears of record in my office in Book 17 of Mining Locations at page 345.

Witness my hand and seal of office this 14th day of March, 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,

September 22, 1914.

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  
UTAH-ARIZONA GOLD & COPPER DEVELOPMENT CO.  
, known as the TUMACACORI, TUMACACORI No. 2.  
, situate in SOPORI  
Mining District, SANTA CRUZ County,  
ARIZONA, in Section 6 Secs. 31 sur. & 32 unsur, T. 20 S., S.,  
Range No. 12 E., unsur. Township No. 21 S.,  
and designated as Survey  
No. 3133, 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 <sup>or for each of</sup> said mining claim <sup>s</sup> by claimant or its grantors, and  
that said improvements consist of 6 shafts, 2 tunnels, 2 cuts, 2 drifts  
and 1 crosscut, total value \$2600. Shaft No. 2 and tunnel No.  
9 on the Tumacacori lode being common improvements for the  
benefit of both claims in this survey, an undivided one-half  
interest in each of said improvements, value \$280 and \$650, res-  
pectively, is credited to each the Tumacacori and Tumacacori No.  
2 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,

September 22, 1914.

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

UTAH-ARIZONA GOLD & COPPER DEVELOPMENT CO.

known as the

TUMACACORI, TUMACACORI NO. 2.

situate in SOPORI Mining District,

SANTA CRUZ County, ARIZONA.

Secs. 31 sur. & 32 unsur., T. 20 S., R. 12 E., and in Section 6, Township No. 21 S., Range No. 12 E., unsur.

designated as Survey No. 3133

executed by Edgar C. Dietrich, U.S. Deputy Mineral

Surveyor, May 25-26, 1914, 190, under my instructions dated

May 19, 1914, 190, 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 Ingalls

U. S. Surveyor-General for Arizona.