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(4-683.)

Mineral Survey No. 2064

Lot No.

Prescott Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Palo Alto Gold Mining Co.

KNOWN AS THE

"Palo Alto" and "Sunol"

Big Bug Mining District,

Yavapai County, Arizona

Section 30, Township 13 N, Range 1 E (unsurveyed)

Surveyed under instructions dated April 26th, 1905,

by A. B. Mader
U. S. Deputy Mineral Surveyor

Claim located See Loc. notices, 1

Survey commenced April 27th '05, 1

Survey completed April 28th '05, 1

6-100

*Mr. J. W. Hubbard, Gen. Manager of Co.
Chaparral
Ariz.*

*CK
268*

SURVEY NO. 2064.
PALOMALTO LODE.

feet

Beginning at cor. No.1

Identical with the cor. of the location

A granite stone 5 x 7 x 20 ins. set 9 ins. in the ground to bed rock and chiseled 1 P A 2064, and raised a mon. of stone 2 ft. base by 2 1/2 ft. high around the cor. whence,

U. S. Min. Mon. No.1 at mouth of Ticonderoga and Galena gulches brs S. 78° 11' W. 1262.97 ft.

No other bearings available.

Thence N. 57° 36' E.

80 Cross road brs S.W. and S.

663.13 Intersect line 2-3 of the Columbia lode, Survey No.1878

F.L. Wright et al., claimants, at a point N. 30° 27' W.

~~200.72~~ ^{149.95} ft. from Cor. No.3 which is a granite stone 6 x 12 ins. by 12 ins. above the ground, chiseled 3 C 1878 and surrounded by a mon. of stones.

685.27 Intersect line 4-1 of the Independent No.2 Lode, Survey

No.1176, John S. Jones claimant, at a point N. 22° 30' W.

50.04 ft. from Cor. No.1 which is a granite stone 6 x 12 ins by 14 ins. above the ground, chiseled 1 I No.2 1176 and surrounded by a mon. of stones.

1046.1 To Cor. No.2.

Identical with the cor. of the location and with cor. No.1 of the Sunol lode of this Survey.

On line 1-2 Independent No.2 Lode Surv. No. 1176

A granite stone 6 x 6 x 20 ins. set 8 ins. in the ground to bed rock and chiseled 2 P A 2064, with a mon. of stone 2 ft. base by 2 1/2 ft. high alongside.

Cor No. 1 Independent No.2 Lode brs S. 50° W 372.7 ft.
No bearings available.

Thence S. 31° 30' E.

260.5 To the North Center End

Identical with the location, and with the South Center End of the Sunol.

A mon. of stones 2 ft. base by 2 1/2 ft. high.

413 Cross Ticonderoga gulch 15 ft. wide, course E. brs W.

SURVEY NO. 2064.

PALO ALTO LODE.

feet

560.5

To cor. No.3.

Identical with the cor. of the location and with cor. No.4 of the Sunol lode of this Survey

A granite stone 7 x 9 x 28 ins. set 12 ins. in the ground and chiseled 3 P A 2064, surrounded by a mon. of stones 2 ft. base by 2 1/2 ft. high.

No bearings available.

Thence S. 56° 6' W.

720

Cross road, brs N.W. and S.E.

1047

To cor. No.4

Identical with the cor. of the location and with cor.

No.1 of the Ella lode, Survey No.1129, John S. Jones claimant.

A granite stone 12 x 17 ins. by 20 ins. above the ground, chiseled 4 P A. 2064, and surrounded by a mon. of stones 2 ft. base by 2 1/2 ft. high.

Cor. No.1 of the New Year lode, Survey No.1499, H.K. Behn claimant, brs S. 84° 25' E. 53 ft.

No other bearings available.

Thence N. 31° 30' W.

To the South Center End.

Identical with the location and with the North Center End of the Ella lode.

A mon. of stones 2 ft. base by 2 1/2 ft. high.

376

Cor. No.4 of the Ella lode, Survey No.1129

A cross on granite ledge in place 5 ft. by 6 ft. by 4 ft. above the ground, chiseled 4 E 1129, with a mon. of stones 1 1/2 ft. base by 2 ft. high alongside.

498

Cross Ticonderoga gulch 12 ft. wide, course E. brs W.

536.6

Intersect line 3-4 of the Columbia lode, Survey No.

1878, at a point 66° 6' W. 666.3 ft. from cor. No.3

588

To the place of beginning.

The variation at all the corners is 14° E.

SURVEY NO. 2064

PALO ALTO LODE.

feet

This claim is located in the Big Bug Mining District, Yavapai County, Arizona, on unsurveyed land in what would approximately be, if surveyed, Sec. 30, Tp. 13 N., R. 1 E., G. & S. R. M.

Adjoining Claims.

On the North the Sunol lode of this Survey; on the East the Half Chance lode, unsurveyed, claimant unknown; On the South the Ella lode, Survey No. 1129, John S. Jones claimant, and the Marion C. lode, unsurveyed, claimant unknown; on the West the Columbia, Survey No. 1878, F. L. Wright et al. claimants, U. S. public land and the Independent No. 2 lode, Survey No. 1176, John S. Jones claimant.

Ledge.

The course and length of the ledge on the Palo Alto claim is from the S. C. E. N. 56° 6' E. 1047 ft. to the N.C.E. and is traceable by croppings.

SUNOL LODE.

Beginning at cor. No. 1

Identical with the cor. of the location and with cor.

No. 2 of the Palo Alto lode of this Survey.

U.S. Min. Mem. No. 162. 568° 52' W. 2277.5 ft.

A granite stone chiseled 1 S 2064

Thence N. 50° E.

1149.1 Cor. No. 2 of the Independent No. 2 lode, Survey No. 1176

A granite stone 5 x 14 ins. by 8 ins. above the ground

chiseled 2 I No. 2 1176

1180 Cross gulch 6 ft. wide, course S. 40° E., brs N. 40° W.

1499.1 To cor. No. 2

Identical with the cor. of the location.

This point falls in the center of the Chaparral and witness

McCabe stage road. A corner was, therefore, established

at a point S. 31° 30' E. 32.5 ft. from the true corner

point.

A ledge of granite in place 4 ft. by 6 ft. by 16 ins.

SURVEY NO. 2064.

SUNOL LODE.

feet

feet

above the ground, chiseled a cross for the exact witness corner point and W C 2 S 2064, and raised a mon. of stones 2 ft. base by 2 1/2 ft. high alongside.

No bearings available.

The McCabe road brs E. and W.

Thence S. 31° 30' E.

From the true corner point.

155 Cross wagon road, brs N.E. and S.W.

290.5 To the North Center End.

Identical with the location

A mon. of stones 2 ft. base by 2 1/2 ft. high

590.5 To Cor. No. 3

Identical with corner of the location

A granite stone 7 x 8 x 18 ins. set 6 ins. in the ground to bed rock and chiseled 3 S 2064 and surrounded by a mon. of stones 2 ft. base by 2 1/2 ft. high

No bearings available.

Thence S. 51° 8' W.

390 Cross Ticonderoga gulch 15 ft. wide, course E. brs W.

A branch gulch brs N.W.

800 Easterly edge of Ticonderoga gulch brs N.E. and S.W.

1494.8 To Cor. No. 4

Identical with the cor. of the location and with Cor.

No. 3 of the Palo Alto lode of this Survey

A granite stone chiseled 4 S 2064

Thence N. 31° 30' W.

147.5 Cross Ticonderoga gulch 15 ft. wide, course E. brs W.

300 To the South Center End

Identical with the location and with the N.C.E. of the

Palo Alto lode

A mon. of stone.

560.5 To the place of beginning

SUNOL LODE.

The variation at all the corners is 14° E.

This claim is located in the Big Bug Mining District, Yavapai County, Arizona, on unsurveyed land, in what would approximately be, if surveyed, Sec. 30, Tp. 13 N., R. 1 E., G. & S. R. M.

Adjoining Claims.

To the North the Gold Note and Columbia claims, unsurveyed, claimants unknown; to the East the Isabel lode, unsurveyed; Young claimant, and the Half Chance lode, unsurveyed, claimant unknown; on the South the Palo Alto lode of this Survey; on the West the Independent No.2 lode, Survey No.1176, and the Columbia lode;

Ledge.

The course and length of the ledge on the Sunol lode is from the N.C.E. S. 51° 8' W. 1494.8 ft. to the S.C.E. and is traceable by croppings.

Areas.

Palo Alto.....	13.790	acres
Less conflict with the Independent No.2	0.204	acres
Less conflict with Columbia	1.530	"
	1.734	
<i>Net area of Palo Alto lode</i>	12.056	acres
"Sunol" -----	19.588	"
<i>Total</i>	31.644	

EXPENDITURE OF FIVE HUNDRED DOLLARS PER CLAIM.

I certify that the value of the labor and improvements upon these claims, placed thereon by the claimants or their grantors, aggregates not less than \$500.00 per claim and that said improvements consist of:

Palo Alto Lode

Discovery shaft No.1, 4 x 6 x 68 ft. deep, timbered, is N. 26° 30' W. 308 ft. from Cor. No.4. Value \$1300.00

Shaft No.2, 4 x 8 x 200 ft. deep, timbered, with A frame on the surface, brs N. 21° 15' E. 595 ft. from Cor. No.4. At 50 ft. level a drift 4 x 6 x 50 ft. to the West.

SURVEY NO. 2064.

EXPENDITURE OF FIVE HUNDRED DOLLARS PER CLAIM.

At the bottom of the shaft a drift 4 x 6 x 50 ft. to the West with cross-cut 4 x 6 x 40 ft. to the North, and a drift 4 x 6 x 175 ft. to the East. Value \$7150.00

Sunol Lode.

Discovery shaft No. 1, 4 x 8 x 200 ft. deep, timbered, with A frame at the surface, bears N 23° 10' W. 313 ft. from Cor. No. 4. On the 100 ft. level a drift 4 x 6 x 100 ft. long to the East; on the 200 ft. level a drift 4 x 6 x 150 ft. long to the east, and a drift 4 x 6 x 85 ft. long to the West, and a cross-cut 4 x 6 x 49 ft. long to the North. Value \$7850.00

This Survey was made with a Gurley light mountain transit with a solar attachment. The courses were deflected from the true meridian as determined by solar observation.

The distances were measured with a 200 ft. steel tape.

The discrepancy between the tie lines of the "Sunol" and "Palo Alto" as shown here and those given by calculations using the tie line of the "Ella" lode Survey No. 1129, is due to error in the latter tie.

A. J. Madison

U. S. Dep. Min. Sur.

ALBANY

18.780 acres

less certified with the Independent No. 2

0.204 acres

18.576 acres

less certified with Columbia

18.372 acres

EXPENDITURE OF FIVE HUNDRED DOLLARS PER CLAIM.

I certify that the value of the labor and improvements

upon these claims, placed thereon by the claimants or their

transfers, does not exceed \$500.00 per claim and

that said improvements consist of:

Palo Alto Lode

Discovery shaft No. 1, 4 x 8 x 200 ft. deep, timbered,

is N 23° 10' W. 313 ft. from Cor. No. 4. Value \$7150.00

Shaft No. 2, 4 x 8 x 200 ft. deep, timbered, with A

frame on the surface. It is 313 ft. from Cor.

No. 4. At 50 ft. level a drift 4 x 6 x 100 ft. to the East.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by A.B. Mader
 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 "Palo Alto Gold Mining Co."
 known as the "Palo Alto" and "Sunset" lodes
 and showing the respective capacities in which they acted.

L. H. Young, Chairman.
 _____, Chairman.
 _____, Axman.
 _____, Flagman.

FINAL OATHS OF ASSISTANTS.

2 L. H. Young
 and A.B. Mader, do solemnly swear that we assisted A.B.
Mader, United States Deputy Mineral Surveyor, in marking the corners and
 surveying the boundaries of the mining claim of The "Palo Alto
Gold Mining Co."
and "Sunset" lodes, known as the "Palo Alto"
and "Sunset" lodes, 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.

L. H. Young, Chairman.
 _____, Chairman.
 _____, Axman .
 _____, Flagman.

Subscribed and sworn to by the above-named persons before me
 this 1st day of May, 1905

John M. Pettis
John A. Blevins

My Commission Expires Oct. 8, 1905.

(4-686.)

FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR

I, A. B. Mader, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated April 26th '05, 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 ^{fully} ~~correctly~~ executed the survey of the Mining Claim of Palo Alto Mining Co., known as the "Palo Alto" and "Sunol", situate in Big Bug Mining District, Yavapai County, Arizona, in Section 30, Township No. 13 N, Range No. 1 E, 65th R. M. (unsurveyed) and designated as Survey No. 2064, 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.

A. B. Mader
 U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said A. B. Mader
 U. S. Deputy Mineral Surveyor, before me Emma Church
 this 4th
 day of May, 1905

Emma Church
 Notary Public

My commission expires
Sept. 11, 1905.

Affidavit of Five Hundred Dollars Improvements.

We, L. H. Young and Eugene Corcoran

of lawful age, being first duly sworn according to law, depose and say: That we are acquainted with the "Palo Alto" and "Sunol" mining claim^s, situate in Big Bug mining district, Yavapai County, Arizona Territory, for which The "Palo Alto Gold Mining Co."

has made application for survey prior to application for patent under the provisions of the Act of Congress approved May 10, 1872; and that the labor done and improvements made thereon by the applicant and its grantor^s exceed^e five hundred dollars in value ^{per claim,} and further that we are not personally interested in said mine.

L. H. Young
Eugene Corcoran

TERRITORY OF ARIZONA,
COUNTY OF Yavapai } ss:

Sworn to and subscribed before me this 1st day

[SEAL.]

of May, 1905

Ralph M. Patten
Notary Public.

Commission Expires Oct, 8, 1905

NOTICE OF LOCATION.

KNOW ALL MEN BY THESE PRESENTS: That we the undersigned, have this day located 1500 feet of this vein or lode, bearing precious metals, with all dips, strike angles and variations, with surface ground 300 feet on each side of vein, with all mineral deposits contained therein, and all timber and water thereon or appurtenant thereto, according to the provisions of the United States Mining Laws.

The exterior boundaries are as follows: Commencing at this monument and notice, and running 300 feet in an easterly direction to monument at N. E. corner; thence in a southerly direction parallel with the ledge 1500 feet to monument at S. E. corner; thence at right angles across the ledge in a westerly direction 300 feet to monument at S. W. corner; thence parallel with the lode in a northerly direction 1500 feet to monument at N. W. corner; thence at right angles across the ledge in an easterly direction 300 feet to place of beginning.

This claim is in Big Bug Mining District, Yavapai County, Arizona, and may be more generally described as situated, second northerly extension of the Little Jessie Mining Claim and north easterly from the Diviner--Patented mine in Township 12 North & Range Independence No 1 Patented claim on south west corner and shall be known as the Sunol Mining Claim.

Dated on the ground this 25th day of November, 1891.

J. J. L. Valentine

W. A. Taylor.

Witness

John Epton.

Recorded at request of J. J. L. Valentine Jan. 22, A. D. 1892 at 11:15 o'clock a. m., in Book 33 of Mines, pages 170, Records of Yavapai County, Arizona.

(L.S.) Charles E. Mers,
County Recorder.

By F. A. Tittle Jr.
Deputy.

PALO ALTO.

NOTICE OF LOCATION.

KNOW ALL MEN BY THESE PRESENTS:

That we the undersigned have this day located 1500 feet of this vein or lode, bearing precious metals with all dips, spurs, angles and variations, with surface ground 300 feet on each side of vein, with all mineral deposits contained therein, and all timber and water thereon or appurtenant thereto, according to the provisions of the United States Mining Laws.

The exterior boundaries are as follows:

Commencing at this monument and notice, and running 300 feet in an easterly direction to monument at S. E. corner; thence in a northerly direction parallel with the ledge 1500 feet to monument at N. E. corner; thence at right angles across the ledge in a westerly direction 300 feet to monument at N. W. corner; thence parallel with the lode in a southerly direction 1500 feet to monument at S. W. corner; thence at right angles across the ledge in an easterly direction 300 feet to place of beginning.

This claim is in Big Bug Mining District, Yavapai County, Arizona and may be more generally described as situated as the first northerly extension of what is known as the little Jessie Mining Claim and east of Independence No 1 Mining Claim patented and on Ticonderoga Gulch and shall be known as the Palo Alto Mining Claim.

Dated on the ground this 27 day of November 1893.

J. J. L. Valentine

S. A. Parker.

Witness

Jane--Tipton.

Recorded at request of J. J. L. Valentine Jan. 22, A. D. 1894, at 11:55 o'clock a. m. in Book 35 of Mines, pages 371, Records of Yavapai County, Arizona.

By F. A. Brittle Jr.
Deputy.

(L.S)

Charles H. Akers,
County Recorder.

TERRITORY OF ARIZONA,)
 county of Yavapai.) ss.

I, ROLAND HOCHTKE, County Recorder in and for the county of Yavapai, in the Territory of Arizona, and custodian of the records thereof, do hereby certify that I have compared the above and foregoing with, and the same contains a full, true and correct copy of each of the following described notices of mining location, as the same appear from the original record thereof in my said office, viz:-

The "SUNOL" mining claim, notice of location whereof is of record in Book 33 of Mines, page 370, records of Yavapai County, Arizona;

The "PALO ALTO" mining claim, notice of location whereof is of record in Book 33 of Mines, page 371, said county records.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, this 25th day of April, A. D. 1905.



Roland Hochtker
 County Recorder.

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.

June 21, 1905

I, U. S. Surveyor-General for the district of Arizona.

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the
Mining Claim of Palo Alto Gold Mining Co.

known as the
Palo Alto and Sunol.

situate in Big Bug Mining District,
Yavapai County, Arizona

in Section 30, Township No. 13 N., Range No. 1 E. unsurveyed
designated as Survey No. 2064

executed by A. B. Mader, U. S. Deputy Mineral
Surveyor, April 27th to 28th 1905, 1905, under my instructions dated

April 26th 1905, 1905, 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.

Survey No. 2064
 Prescott Land District
 Surveyed April, 27-28, '05
 by
 A. B. Mader, U.S. Dep. Min. Surveyor
 Scale: 400' to 1"

