

April 9, 1918

8-14-1918 copied ARC

(4-683.)

Mineral Survey No. 3445

Lot No.

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

PAPAGO MINING COMPANY

KNOWN AS THE

LEGAL TENDER LODE

Unorganized Mining District,

Yuma County, Arizona

Section Approx. 15, Township 15 S., Range 11 W. Unsurveyed

Surveyed under instructions dated September 27, 1917, G. & S. R. M.

by Samuel J. Paul, U. S. Deputy Mineral Surveyor

Claim located March 30, 1900 ✓

Survey commenced October 22, 1917

Survey completed October 22, 1917

Address of claimant Frank H. Sanborn, Pres. 325 San Fernando Rd., Los Angeles, Cal.

DATE OF AMENDED LOCATION.

August 25, 1917.

SURVEY NO. 3445.

LEGAL TENDER LODE.

Beginning at Cor. No. 1.

Identical with S.E., N.E., and N.W. Cors. Night-rider, Gold Standard, and Queen Elizabeth lodes, respectively, all unsurveyed, belonging to claimant herein.

A pine post, 3 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed L.T.1-3445, whence U. S. M. M. No. 3445 bears N.26° 29' 50"W. 634.11 ft.

No bearing objects available.

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 FEET. Thence N.29° 25'W.

647. Top of ridge bearing E.Northeasterly and W.Southwesterly.

1499.55 To Cor. No. 2.

Identical with N.E. and S.W. Cors. Night-rider and Great Commoner lodes, respectively, both unsurveyed, belonging to claimant herein.

A pine post, 3 ft. long, 4 ins. square, set 18 ins. in the ground, with mound of stone, scribed L.T.2-3445.

No bearing objects available.

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 Thence N.60° 35'E.

300. To N.W. E.C. of location, a monument of stone.

600. To Cor. No. 3.

Identical with S.E. Cor. Great Commoner lode, unsurveyed.

A pine post, 4.5 ft. long, 4 ins. square, set 6 ins. in the ground, with mound of stone, scribed L.T.3-3445.

No bearing objects available.

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 Thence S.29° 25'E.

1050. Top of ridge bearing E.Northeasterly and W.Southwesterly.

1499.55 To Cor. No. 4.

Identical with N.E. Cor. Queen Elizabeth lode, unsurveyed.

A pine post, 3 ft. long, 4 ins. square, set on solid rock, with mound of stone, scribed L.T.4-3445, whence

A Palo Verde tree, 6 ins. diam., blazed and scribed + B.T.4-3445, bears N.11° 46'W. 2.1 ft.

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 Thence S.60° 35'W.

300. To S.W. E.C. of location, a monument of stone.

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

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 Variation at all corners 15° 15'E.

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 LODGE LINE.

As nearly as can be determined from present developments the vein on this claim extends as follows from the discovery point:

S.29° 25'E. 486.21 ft. and N.29° 25'W. 1013.34 ft.

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## SURVEY NO. 3445.

AREA.	Acres.
Total area, Legal Tender lode,	20.655

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The survey of this location is identical with the amended location as staked upon the ground.

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LOCATION.

This survey is located approximately in Sec. 15, T. 15S., R. 11W., G. & S. R. M. Unsurveyed.

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EXPENDITURE OF FIVE HUNDRED DOLLARS.

I certify that the value of the labor and improvements made upon, or for the benefit of, the location embraced in said mining 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 486.21 ft. from the center of line 4 - 1, 4 x 6 ft., 16 ft. deep to connection with tunnel described under improvement No. 2, at 36 ft. from mouth of latter.

Value, \$160.00

No. 2. An open cut, the mouth of which is on the lode line 420.78 ft. from the center of line 4 - 1, 17 ft. wide, running N.29° 25'W. 27.8 ft. to 10 ft. face. From the face is a tunnel, 4 x 6 ft., running N.29° 25'W. 44.5 ft.

Value of open cut and tunnel, \$600.00

No. 3. A shaft which bears from Cor. No. 1 N.6° 39'E. 413.48 ft., 6 x 8 ft., 51 ft. deep. At bottom of shaft is a drift, 4 x 6 ft., running N.73° 12'W. 30 ft.

Value of shaft and drift, \$800.00

No. 4. An open cut, the mouth of which bears from Cor. No. 1 N.4° 01' 20"E. 394.17 ft., 6 ft. wide, running N.16° 48'E. 35.85 ft. to 12 ft. face. From the face is a tunnel, 4 x 6 ft., running N.6° 45'W. 94.3 ft. to connection with incline shaft described as improvement No. 5, at 43 ft. from the sill or collar of latter.

Value of open cut and tunnel, \$900.00

No. 5. An incline shaft, the center of which is S.60° 35'W. 5 ft. from a point on the lode line 442.78 ft. from the center of line 4 - 1, 4.5 x 4.5 ft., running S.60° 35'W. 125 ft., dip 70°. At 78.5 ft. from collar is a cross-cut, 4 x 6 ft., running N.60° 35'E. 15.5 ft., whence there are drifts, 4 x 6 ft., running N.29° 25'W. 17 ft. and S.29° 25'E. 11.66 ft., respectively. At the bottom of incline shaft is a drift, 4 x 6 ft., running N.29° 25'E. 84.6 ft., with cross-cuts at 20 ft. from shaft, 4 x 6 ft., running N.60° 35'E. 10 ft. and S.60° 35'W. 4 ft. respectively; and a drift, 4 x 6 ft., running S.29° 25'W. 129 ft., with a cross-cut at 117 ft. from shaft, 4 x 6 ft., running N.60° 35'E. 12.66 ft.



Value of incline shaft, drifts and cross-cuts, \$1500.00  
 Value of  $\frac{1}{5}$  interest credited to this claim, \$300.00

The systems of workings described as Nos. 3 and 5 are common improvements for the benefit of, and to be applied equally upon said mining claim and the Night-rider, Gold Standard, Queen Elizabeth and Great Commoner lodes, all unsurveyed, belonging to claimant herein, for the purpose of reaching the several veins on the said locations at depth, and thereby to most economically and advantageously open up and develop the whole group. An undivided  $\frac{1}{5}$  interest, value \$300.00, is therefore apportioned to each of said claims.

The S.E. E.C. and the N.W. E.C. of this claim are respectively 20 ft. and 56 ft. below the elevation at collar of the Incline shaft described as improvement No. 5. The Queen Elizabeth and Gold Standard lodes lie on higher ground over the westerly side of Papago Mountain. The Great Commoner lode extends northerly over a comparative flat, and the Night-rider lode is about 35 ft. lower than the Legal Tender lode.

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 INSTRUMENT.

This survey was made with an A. Lietz mining and solar transit, No. 1252. The courses were deflected from the true meridian as determined by Polaris observation. The distances were measured with 100 ft. and 500 ft. steel tapes.

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 MERIDIAN DETERMINATION.

On October 22, 1917, at 4h, 30m. A. M. Pacific Standard time, I commenced to observe Polaris as it approached western elongation, on a reference line previously established by me, and followed the star until it ceased to advance, when its position was  $89^{\circ} 33' 20''$  to the left of my reference line.

On the same date, at about 11 o'clock A. M. Pacific Standard time, I observed and followed the sun to its maximum apparent altitude, which was  $46^{\circ} 50' 10''$ , - ref.  $54'' = 46^{\circ} 49' 16''$  true altitude; + the sun's declination, South  $11^{\circ} 03' 33'' =$  Co-lat.  $57^{\circ} 52' 49''$ . The latitude is therefore  $32^{\circ} 07' 12''$  N. For this latitude the star's azimuth is  $1^{\circ} 20' 05''$ ; whence the course of my reference line is N.  $88^{\circ} 13' 15''$  E., from which the courses of the lines of this survey were deflected.

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 REPORT.

The lode line of this claim was run directly upon the ground, and the several corners established by means of offsets from the lode line. All tie lines were run either directly upon the ground or by traverses, run upon the ground and submitted in a separate report herewith.

The U. S. Mineral Monument No. 3445 is a pine post, 6 x 6 ins. 6 ft. above ground, properly scribed, and with a copper nail in

aluminum disc to mark exact point for connection.

Note.- The disagreement between these fieldnotes and the amended location certificate with regard to the distances along the lode line from the discovery shaft to the end lines, is due to error in the latter.

Note.- Posts for Cors. Nos. 3 and 4 could not be set 18 ins. in the ground for the reason that bedrock was encountered at or near the surface.

Note.- There being neither Notary Public nor Justice of the Peace accessible except at great delay, expense and inconvenience, I administered the oath to my assistant.



## U. S. M. M. NO. 3445

(Unorganized) MINING DISTRICT,  
Yuma County,  
Arizona.

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UNITED STATES MINERAL MONUMENT NO. 3445, (Unorganized) Mining District, Yuma County, Arizona, was established pursuant to authority from the U. S. Surveyor General for the District of Arizona, and in connection with Survey No. 3445, Legal Tender lode, on October 22, 1917.

A pine post, 6 x 6 ins., 6.5 ft. long, set in a cleft in rock in place, at summit of the highest peak on the ridge which traverses said claim.

I charred the end thereof, and set in fine rock with mound of stone 3 ft. high, 6 ft. base, scribed U.S.M.M. No. 3445, and a copper nail, driven through an aluminum disc, to mark the exact point for connection.

No bearing objects available. The outcropping rocks are all so decomposed that it is impossible to make decipherable markings thereon with a chisel.

There are no identifiable mountain peaks within the range of vision. The said ridge is a spur on the west side of a lone mountain southeasterly from the Pinta Range, to which mountain the locators of the Legal Tender and other adjoining lode mining claims have given the name "Papago"; but it does not seem to be generally known.

The Monument is within the lines of Survey No. 3445, Legal Tender lode, whence,

Cor. No. 1 bears S.26° 29' 50"E. 634.11 ft.

The S.E. end center monument of stone bears S.52° 19' 50"E. 687.55 ft.

The center of a shaft bears S.64° 33'E. 365.51 ft.

The center of the discovery shaft bears N.89° 00' 30"E. 308.95 ft.

The N.W. end center monument of stone bears N.12° 14' 40"W. 906.67 ft.

Cor. No. 2 bears N.31° 32' 40"W. 866.84 ft.

By wagon road distances;-

Mohawk, a station on the S. P. R. R. is about 51 miles north-northwesterly.

Wellton, a station on the S. P. R. R. is about 79 miles northwesterly.

Tule Wells, about 33 miles west northwesterly.

Ajo, the southerly terminus of a branch R. R. which leaves the main line of the S. P. R. R. at Gila Bend, is about 45 miles northeasterly.

The east and south boundaries of Yuma County are said to be each about 4 miles distant. *See 3209*

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Courses were deflected from the lines of Sur. No. 3445, Legal Tender lode, surveyed by me, and are referred to the true mer-



idian as determined by Polaris observation, details of which were returned with said survey.

This claim being more than two miles from the nearest identifiable corner of the Public Land Survey, necessitated the establishment of this Mineral Monument.

Variation at Mineral Monument,  $15^{\circ} 15' E$ .

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October 22, 1917, a few minutes before noon, on my reference line referred to in Sur. No. 3445, Legal Tender lode, the station of which is  $S. 49^{\circ} 19' W$ . 582.3 ft. from this Mineral Monument, I observed and followed the sun until it reached its meridian altitude; which was, appt. alt.,  $46^{\circ} 50' 10'' - \text{ref. } 54'' = 46^{\circ} 49' 16''$  true altitude, + the sun's declination,  $S. 11^{\circ} 03' 33'' = \text{co-lat. } 57^{\circ} 52' 49''$ . The latitude at the Mineral Monument is therefore  $32^{\circ} 07' 15'' N$ .

On the same date, in the afternoon, I took observations to determine the longitude; but on computing therefrom on return to the city, found the results so manifestly incorrect as to be absolutely of no value. The trip by automobile across the desert was an exceedingly rough one, and the adjustments of my solar telescope were badly deranged. My watch also, which usually keeps good time, had lost 9m. 50s. It would be quite difficult, except at great expense and time, to transport instruments over the rough roads and preserve adjustments in a condition for reliable determination of longitude. I therefore make no return thereof.

Note.- No suitable stone of required dimensions could be found in the vicinity; and the post used for this Mineral Monument was the only piece of timber procurable.

*Samuel Paul*

U. S. Mineral Surveyor.

# FINAL OATHS FOR SURVEYS.

## LIST OF NAMES.

A list of the names of the individuals employed by SAMUEL J. PAUL  
 United States Mineral Surveyor, to assist in running, measuring, and marking the lines, corners, and  
 boundaries described in the foregoing field notes of the survey of the mining claim of \_\_\_\_\_  
PAPAGO MINING COMPANY  
 known as the LEGAL TENDER LODE  
 and showing the respective capacities in which they acted.

HARRY R. SMITH, *Chainman.*  
 \_\_\_\_\_, *Chainman.*  
 \_\_\_\_\_, *Aceman.*  
 \_\_\_\_\_, *Flagman.*

## FINAL OATHS OF ASSISTANTS.

~~XXX~~ We, I, HARRY R. SMITH  
 and \_\_\_\_\_, do solemnly swear that ~~we~~ <sup>I</sup> assisted SAMUEL  
J. PAUL, United States Mineral Surveyor, in marking the corners and surveying  
 the boundaries of the mining claim of PAPAGO MINING COMPANY  
 known as the LEGAL TENDER LODE  
 represented in the foregoing field notes as having been surveyed by said mineral surveyor and under his  
 direction; and that said survey has been in all respects, to the best of ~~our~~ <sup>my</sup> knowledge and belief, faithfully  
 and correctly executed, and the corner and boundary monuments established according to law and the instruc-  
 tions furnished by the United States Surveyor-General for ARIZONA.

*Harry R. Smith*, *Chainman.*  
 \_\_\_\_\_, *Chainman.*  
 \_\_\_\_\_, *Aceman.*  
 \_\_\_\_\_, *Flagman.*

Subscribed and sworn to by the above-named persons before me this 22nd.  
 day of October, 1917.

*Samuel J. Paul*

U. S. Mineral Surveyor.



FINAL OATH OF U. S. MINERAL SURVEYOR.

I, SAMUEL J. PAUL, U. S. Mineral Surveyor,  
do solemnly swear that, in pursuance of instructions received from the United States  
Surveyor General for ARIZONA, dated  
September 27, 1917, 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 PAPAGO MINING COMPANY  
, known as the  
LEGAL TENDER LODE  
situate in Unorganized Mining District,  
Yuma County, Arizona, in ~~Section~~  
Sec. 15, Township No. 15 S., Range No. 11 W., <sup>Unsur.</sup> G. & S. R. M.,  
and designated as Survey No. 3445, as represented  
in the foregoing field notes, which accurately show the boundaries of said mining claim  
as distinctly marked by monuments on the ground, and described in the attached copy  
of the location certificate, which was received by me from the Surveyor General with  
said instructions, and that all the corners of said survey have been established and per-  
petuated in strict accordance with the law, official regulations and instructions there-  
under; and I do further solemnly swear that the foregoing are the true and original  
field notes of said survey and my report therein, and that the labor expended and  
improvements made upon said mining claim by claimant or its grantors  
are as therein fully stated, and that the character, extent, location, and itemized value  
thereof are specified therein with particularity and full detail, and that no portion of  
said labor or improvements so credited to this claim has been included in the estimate  
of expenditures upon any other claim.

*Samuel J. Paul*  
U. S. Mineral Surveyor.

Subscribed and sworn to by the said SAMUEL J. PAUL  
U. S. Mineral Surveyor, before me, a Notary Public in and for the  
County of Los Angeles, State of California, this 5th.  
day of November, 19 17.

*My Commission Expires Feb. 14th, 1920.*

*Justine Ottofy*  
Notary Public.

AMENDED LOCATION CERTIFICATE, LAW of 1889.

SEP 27 1917

STATE OF ARIZONA, )  
County of Yuma, ) ss

KNOW ALL MEN BY THESE PRESENTS, That the Papago Mining Company, the undersigned, has, this 25th. day of August, 1917, amended, located, and claimed, and by these presents does amend, locate, and claim, by right of discovery and amended location certificate, in compliance with the mining acts of Congress, approved May 10th, 1872, and with all subsequent acts, and with local customs, laws, and regulations, 1500 linear feet and horizontal measurement on the Legal Tender lode, vein, ledge, or deposit along the vein thereof, with all its dips, angles, and variations, as allowed by law, together with 300 feet on each side of the middle of said vein at the surface, so far as can be determined from present developments, and all veins, lodes, ledges, or deposits and surface ground within the lines of said claim, 400 feet running southeasterly from center of discovery shaft and 1,100 feet running northwesterly from center of discovery shaft, said discovery shaft being situate upon said lode, vein, ledge, or deposit, and within the lines of said claim, in an unorganized Mining District, County of Yuma, and State of Arizona, described by metes and bounds as follows, to-wit:

Beginning at a monument of stone, 400 feet southeasterly from center of discovery shaft, which is the Southeasterly end center monument, and running thence northeasterly 300 feet to a monument of stone which is the S.E. corner; thence



Northwesterly 1,500 feet to a monument of stone which is the N. E. Corner; thence Southwesterly 300 feet to a monument of stone which is the northwesterly end center; thence southwesterly 300 feet to a monument of stone which is the N. W. Corner; thence Southeasterly 1,500 feet to a monument of stone which is the S. W. Corner; thence Northeasterly 300 feet to the Southeasterly end center monument , at the place of beginning.

This being the same lode originally located on the 30th day of March, 1900, and recorded on the 25th day of April, 1900, in Book "J" of Mines, page 557, in the office of the recorder of Yuma County. This further and amended certificate of location is made without waiver of any previously acquired rights, but for the purpose of correcting any errors in the original location, description or record.

Said lode was discovered on the 30th day of March, 1900, and is situated on the westerly slope of, and about  $\frac{1}{4}$  mile from Papago Mountain, and about one and one-half miles from Papago Well, in said County,

PAPAGO MINING COMPANY,

By Frank H. Sanborn

President.

Attest:

D. A. Newcomb

Sec'y

Date of amended location  
August 25, 1917.

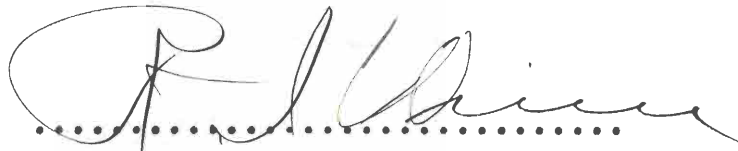
Date of amended certificate  
August 25, 1917.

(Seal of Papago Mining  
Company. )

STATE OF ARIZONA, )  
 ) ss.  
County of Yuma, )

I, R. I. WINN, County Recorder in and for the County of Yuma, State of Arizona, do hereby certify that I have compared the foregoing copy with the original record of a certain AMENDED LOCATION CERTIFICATE filed in this office on the 1st day of September, 1917, at 1:3 P.M., and found and appearing of record in Book 16 of Mines at page 192; and that the same is a full, true and correct copy of such original record and the whole thereof.

IN WITNESS WHEREOF I have hereunto  
set my hand and official seal  
this 1st day of September,  
A. D., 1917.



.....  
County Recorder in and  
for the aforesaid  
County.



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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

September 13, 1918

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

PAPAGO MINING COMPANY

known as the LEGAL TENDER LODE

situate in (Unorganized)

Mining District, YUMA County, ARIZONA,

in Section Approx. 15, Township No. 15 S., Range No. 11 W., Unsur., and

designated as Survey No. 3445, 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 3 shafts, 2 cuts, 5 drifts and 4 crosscuts, total value \$3960, of which \$1200, or 4/5 interest in the value of improvements Nos. 3 and 5, are reserved for other claims, viz., the Night-rider, Gold Standard, Queen Elizabeth and Great Commoner lodes, all unsurveyed.

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.

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 13, 1918.

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 PAPA GO MINING COMPANY

, known as the

LEGAL TENDER LODE

situate in Unorganized mining district,

YUMA County, ARIZONA

in Section Approx. 15, Township No. 15 S, Range No. 11 W.,

Unsur., designated as Survey No. 3445

executed by Samuel J. Paul, U. S. Mineral

Surveyor, October 22, 1917, under my instructions dated

September 27, 1917, 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. 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.

Handwritten signature of the Surveyor General

U. S. Surveyor General for Arizona.