

MINERAL SURVEY No. 3753

Arizona Land District

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Albert Steinfeld et al & W. E. Murphey

KNOWN AS THE

CALCUTTA Lode

Pima Mining District,

Pima County, Arizona

Section 2, Township 18 S., Range 12 E.

Surveyed under instructions dated March 16, 19 21

by J. N. Stevens U. S. Mineral Surveyor.

Claim located See location notices, 19

Survey commenced April 26, 1921

Survey completed April 27, 1921

Address of claimant Albert Steinfeld, Tucson, Arizona.

DATES OF AMENDED LOCATIONS.

See location notice

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Feet

CALCUTTA Lode.

Beginning at Cor.No.1, Identical with loc.mon.

A granite rock 8X10X6 ins. above ground, set 12 ins. in the ground, chiseled with a cross (X) 1-C-3753 with md. of stone 3 1/2 ft base by 3 ft high alongside, whence the 1/4 Cor. bet. Secs. 2 and 11 T. 18 S.R.12 E., brs S. 43° 10' E. 1400.1 ft. Cor. No.2 Sur. No.2030 Summit lode; Twin Buttes Mining and Smelting Co., Claimant, brs S. 6° 57' W. 65.19 ft.

No other bearings are available.

Thence N 14° 16' E.
Va. 13° 30' E.

80.8 Intersect line 2-3, Sur.No. 2030 Summit lode at N 11° E. 145.7 ft from Cor.No.2 and S 11° W 454.3 ft from Cor. No.3.

300. To E end Center.

An iron pipe 1 in. diam. by 4 ft high set firmly in the ground and surrounded with md of stone 3 1/2 ft base by 3 ft high; Stamped E Cr.C.

531.28 Intersect line 3-4, Sur.No. 2030, Summit lode, at S. 68° 15' E. 26.11 ft from Cor. No.3 and N. 68° 15' W. 59.89 ft from Cor. No.4.

600 To Cor. No.2. Identical with Loc.Mon.

A limestone rock 6X10X6 ins. above ground set 12 ins. in the ground, chiseled with cross (X) 2-C-3753 with md. of stone 3 1/2 ft base by 3 ft high alongside.

Cor. No.3, Sur. No.2030 Summit lode, brs S 35° 47' W. 70.28 ft.

No other bearings are available.

Thence N. 75° 44' W.
Va. 13° 30' E.

1478.9 To Cor. No.3. Identical with location mon.

A granite rock 6X8X10 ins. above ground, set 12 ins. in the ground chiseled with Cross (X) 3-3753 with md of stone 3 1/2 ft base by 3 ft high alongside.

MINERAL SURVEY NO. 3753

Feet

CALCUTTA Lode Cont'd

No bearings are available.

Thence S° 14 16' W.
Va. 13° 30' E.

300 To W. end Center.

An iron pipe 1 in. diam. by 4 ft. high set firmly in the ground and surrounded with a md. of stone 3½ ft base by 3 ft high; Stamped W. Cr. C.

600 To Cor. No. 4. Identical with loc. mon.

A granite rock 6X10X10 ins. above ground, set 12 ins. in the ground, chiseled with a cross (X) 4-C - 3753 with md. of stone 3½ ft base by 3 ft. high alongside.

No bearings are available.

Thence S 75° 44' E.
Va. 13° 30' E.

1478.9 To Cor. No. 1, the place of beginning.

LODE LINE.

AS near as can be determined from the present developments, the vein of the location embraced in this claim extends as follows from its discovery point;

CALCUTTA Lode N 75° 44' W. 605 ft and S 75° 44' E. 873.9 ft.

AREA.

Acres

Total area Calcutta Lode - - - - - 20.371 ✓

Area in conflict with Sur. No. 2030
Summit Lode - - - - - .013 ✓

This Survey is identical with the original location, all corners of which were found in place.

LOCATION.

This Survey is located in the S½ Sec. 2 T. 18 S. R. -12 E.

MINERAL SURVEY NO. 3753

EXPENDITURE OF FIVE HUNDRED DOLLARS.

I certify that the value of the labor and improvements made upon or for the benefit of each of the locations embraced in said mining claim by the Claimants or ^{their} his grantors, is not less than Five Hundred Dollars, and that said improvements consist of;-

No.1 The discovery shaft of the Calcutta lode, the center of which being the discovery point, is on the center line, 605 ft from the center of line 3-4, 4X6 ft 100 ft deep.

Value \$1000.00

No.2. A shaft on the center line 530 ft from the center of line 3-4, 4X6 ft. 15 ft deep.

Value \$150.00

No.3. A shaft, the center of which brs. from Cor. No.3, S 51° 30' E. 535 ft, 4X6 ft 20 ft deep.

Value \$200.00

No. 4. A shaft, the center of which brs from Cor.No.3, S 42° 15' E, 530 ft, 4X6 ft 10 ft deep.

Value \$100.00

No. 5. A shaft, the center of which brs from Cor. No.3, S 44° 30' E. 635 ft, 4X6 ft, 10 ft deep.

Value \$100.00

INSTRUMENT.

This Survey was made with a Gurley Mountain Transit. The courses were deflected from the true Meridian as determined by direct solar observations. The distances were measured with a 500 ft. steel tape.

REPORT

The lode line of this claim was run directly upon the ground and the corners were established by running around the claim.

All tie lines were run directly upon the ground.

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REPORT Cont'd

The 1/4 Cor. bet. Secs.2-11 T. 18 S.R. 12 E, consists of a pine stake 2 ins. sq. by 2 ft high, surrounded with md of stone, near it is a Mesquite tree 4 ins. diam; Scribed 1/4 on side facing the Mon.

Sur. No.2030, Summit lode, Cor.No. 2 consists of a monument of stone not marked.

Cor. Nos. 3 and 4 both consist of stone properly set and chiseled with the number of the Cor. and Survey.

I find all courses and distances to be correct, as approved.

ADJOINING CLAIMS.

This Survey is adjoined on the North by the North Calcutta lode, Unsur., Claimant herein.

On the East by Sur. No. 2030, Summit Lode.

On the South by the South Calcutta lode, unsur. Claimant herein.

On the West by the Legacy lode, unsur.Claimant herein.

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SOLAR OBSERVATIONS

Direct Solar Observations taken Tuesday April 26th, 1921; at 1.56 P.M. Solar time; Sun bisected

Lat. 31° 52'

Lon. 111° 05'

Difference in time 9 h.20 m.

$$\sin \frac{1}{2}A = \sqrt{\frac{\sin(S-L) \sin(S-H)}{\cos L \cos H}}$$

Apparent Dec'l 13° 25' 31" ✓
7' 42" ✓
Dec'l 13° 33' 13" ✓

$$\frac{90}{13^{\circ} 33'} = P$$

L = 31° 52'
H = 53° 49' = Ver Ang. diminished by Refraction
P = 76° 27'
2) 162° 08'
S = 81° 04' ✓

S - L = 49° 12' ✓
S - H = 27° 15' ✓

9.8790930 ✓
9.6607459 ✓
0.0709496 ✓
0.2290751 ✓
2) 19.8396636 ✓
9.9198318 ✓ = 56° 15' = 1/2 A
198396636
99198318
112° 30' = A

83144

180
112° 30'
S 67° 30' W = course of sun.
143° 14' Ang. to left
S 75° 44' E = Course of line.

Set up at E. end center, P S W. end Center.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by T.N. Stevens
 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
Albert Steinfeld et al & W. E. Murphey
 known as the Calcutta Lode
 and showing the respective capacities in which they acted.

Phillips Brooks, Chainman.
 _____, Chainman.
 _____, Axman.
 _____, Flagman.

FINAL OATHS OF ASSISTANTS.

~~We~~ I, Phillips Brooks
 and _____, do solemnly swear that ~~we~~ I
T.N. Stevens, United States Mineral Surveyor, in marking the corners and surveying
 the boundaries of the mining claim of Albert Steinfeld et al & W. E. Murphey
 known as the Calcutta 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 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

Phillips Brooks, Chainman.
 _____, Chainman.
 _____, Axman.
 _____, Flagman.

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

day of April, 1921

Isabel M. Lander
Notary Public

My Com. expires June 4 1924

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, T. N. STEVENS, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated March 16, 1921, 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 Albert Steinfeld et al & W. E. Murphey, known as the CALCUTTA Lode, situate in Pima Mining District, Pima County, Pima, Arizona, in Section Two, Township No. 18 S., Range No. 12 E., and designated as Survey No. 3753, 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 claimants or its their 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.

T. N. Stevens
U. S. Mineral Surveyor.

Subscribed and sworn to by the said T. N. STEVENS
U. S. Mineral Surveyor, before me ISABEL M. LAUDER, Notary Public
Pima County, Arizona, this 6th
day of May, 19 21
My Commission expires June 4 1924

Isabel M. Lauder
Notary Public Pima County
Arizona.

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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

July 11, 19 21

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

ALBERT STEINFELD and W. E. MURPHEY

known as the CALCUTTA LODE,

situate in PIMA

Mining District, PIMA County, ARIZONA,

in Section 2, Township No. 18 S., Range No. 12 E., and

designated as Survey No. 3753, 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 claimants or their grantors, and that said improvements consist of 5 shafts, total value \$1550.

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.

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 11, 19 21

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 _____

ALBERT STEINFELD and W. E. MURPHY

_____, known as the

CALCUTTA LODE

situate in _____ PIMA _____ mining district,

PIMA _____ County, _____ ARIZONA,

in Section 2, Township No. 18 S., Range No. 12 E.

G & S R B & M, designated as Survey No. 3753

executed by T. N. Stevens, U. S. Mineral

Surveyor, April 26-27 1921, 191 , under my instructions dated

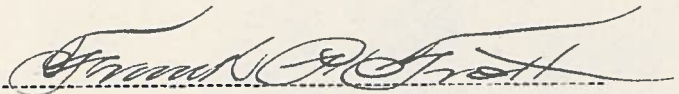
March 16, 1921, 191 , have been critically examined and the necessary cor-

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.



U. S. Surveyor General for Arizona.