

MINERAL SURVEY No. 4154

ARIZONA *Land District*

**FIELD NOTES**

OF THE SURVEY OF THE MINING CLAIM OF

Mrs. Mary Boston

KNOWN AS THE

SURE THING NO. 1 and SURE THING NO. 2 lodes

Warren *Mining District,*

Cochise *County,* Arizona

*Section* 36, *Township* 22 S, *Range* 23 E, *G & S R B & M*

*Surveyed under instructions dated* February 18, *19* 32

By Ralph L. Motz  
*U. S. Mineral Surveyor.*

*Claim located* January 1, *19* 14

*Survey commenced* March 7,, *19* 32

*Survey completed* March 11, *19* 32

*Address of claimant 's Attorney;* Herman Lewkowitz,  
First Nat. Bank Bldg.,  
**DATES OF AMENDED LOCATIONS** Phoenix, Arizona.

*249 copies  
4/12/32*

Feet

Mineral Survey No. 4154 was made with a C. L. Berger & Sons precise transit No. 4634, Model No. 1 C, with horizontal limb 6.25 ins. diam., having two double opposite verniers, and full vertical circle 5 ins. diam, having one double vernier; the verniers read to one minute of arc; the eye piece is equipped with a colored glass shade set in dust shutter for making direct observations upon the sun. The instrument was in good condition at the time of survey and all adjustments were in good order.

An a. m. altitude observation of the sun for azimuth and at noon on the meridian an observation for latitude were made at the point of the beginning, the details of which observations are shown in the calculation sheets herewith submitted for examination. All azimuths in this record are referred to the true meridian thus determined by the method of deflection angles and calculated courses. The watch time was checked with Western Union time in the morning and afternoon and was found correct.

The lines were measured with a Lufkin steel tape 333 feet in length, graduated to feet, tenths and hundredths of feet for entire length; and a Lufkin steel tape 150 feet in length, graduated to feet, tenths and hundredths of feet for entire length.

All lines and connections of this survey were run by direct methods.

The magnetic variation observed at each corner of the survey gave a uniform value of 13° 30' East.

SURE THING NO. 1 Lode.

Beginning at Cor. No. 1 of the Sure Thing No. 1 lode where I

Set a granite rock, 24 x 8 x 8 ins., 16 ins. in the ground, for Cor. No. 1, marked S T 1 - 1 - 4154; from which

A mound of stones bears southwesterly 4 feet.

A granite ledge with 38 x 39 x 6 inches high exposure, bears S 89° 45' E 20.1 ft. dist., marked B R x 1-4154 S T 1

The 1/4 Cor. between Secs. 36, T 22 S, R 23 E and Sec. 31, T 22 S, R 24 E, G & S R B & M bears S 33° 45' E 609.1 ft. dist; being an iron pipe with brass cap.

thence N 84° 00' W

325.0 Cross road, 10 feet wide, from Bisbee to Main Shaft, course northwesterly and southeasterly

521.0 Cross gulch, course northwesterly

1500.0 To Cor. No. 2

Identical with Cor. No. 3 of the Sure Thing No. 2 lode of this survey.

A granite rock, 24 x 12 x 8 ins., 12 inches in the ground to bedrock, marked 2-4154 ST 1 and 3-4154 S T 2 from which

a monument of rocks, 3 feet high with 3 foot base bears easterly 4 feet.

A granite ledge with a vertical face 250 x 180 ins. high bears S 70° 10' E 12.6 ft. dist., marked B R x 2-4154 S T 1

- A granite boulder, 27 x 54 x 30 ins. high above ground bears S 89° 02' W 8.7 ft. dist., marked B R x 2-4154 S T 1  
 thence N 11° 00' E
  - 102.0 Cross gulch, course westerly
  - 300.0 To original location for the west end center, identical with east end center of the Sure Thing No. 2 lode of this survey, being a mound of rocks 3 feet high with 3 foot base
  - 360.0 Cross road, 10 feet wide, from the main shaft to Bisbee, course easterly and westerly
  - 600.0 To Cor. No. 3  
 identical with Cor. No. 2 of the Sure Thing No. 2 lode of this survey
  - A granite rock, 26 x 12 x 6 ins., set 16 ins. in the ground, marked 3-4154 S T 1 and 2-4154 S T 2, from which
  - A monument of rocks, 3 feet high with 3 foot base, bears easterly 4 feet.
  - A granite ledge with 17 x 64 x 13 ins. high exposure Bears S 11° 50' W 9.9 ft. dist., marked B R x 3-4154 S T 1  
 thence S 84° 00' E.
  - 1500.0 To Cor. No. 4
  - A granite rock 28 x 11 x 11 ins., set 16 ins. in the ground, marked 4-4154 S T 1, from which
  - a granite ledge with 15 x 39 x 17 ins. high exposure bears N 28° 34' W 20.2 ft. dist., marked B R x 4-4154 S T 1
  - a granite ledge with 17 x 56 x 6 ins. high exposure bears S 0° 30' E 10.4 ft. dist., marked B R x 4-4154 S T 1
  - A monument of rocks 3 feet high with a 3 foot base bears northwesterly 4 feet  
 thence S 11° 00' W
  - 300.0 To original location for the east end center, being a mound of rocks 3 feet high with 3 foot base
  - 600.0 Cor. No. 1, and place of beginning.
- SURE THING NO. 2 lode**
- Beginning at Cor. No. 1 of the Sure Thing No. 2 lode
- A granite rock, 24 x 12 x 6 ins., set 14 ins. in the ground to bedrock, marked 1-4154 S T 2, from which
  - A monument of rocks 3 feet high with 3 foot base bears westerly 4 feet dist,
  - The 1/4 Cor. between Secs. 25 and 36, T 22 S, R 23 E, G & S R B & M, being an iron pipe with brass cap,

bears N 26° 33' E 1228.3 ft. dist.  
 thence S 79° 00' E  
 1500.0 To Cor. No. 2

Identical with Cor. No. 3 of the Sure Thing No. 1  
 lode of this survey  
 thence S 11° 00' W  
 240.0 Cross road

300.0 To east end center identical with west end center of  
 the Sure Thing No. 1 lode of this survey

498.0 Cross Gulch, course westerly

600.0 Cor. No. 3

Identical with Cor. No. 2 of the Sure Thing No. 1 lode  
 of this survey  
 thence N 79° 00' W

1202.0 Cross gulch 10 feet wide, course westerly

1500.0 To Cor. No. 4

A granite rock 26 x 10 x 9 ins., set 16 ins. in the  
 ground, marked 4-4154 S T 2, from which

A monument of rocks 3 feet high with 3 foot base bears  
 westerly 4 feet

A granite ledge, with 48 x 125 ins. exposure bears  
 S 11° 00' W 10.7 ft. dist., marked B R x 4-4154 S T 2

A granite ledge, with 24 x 67 ins. exposure, bears  
 N 11° 00' E 9.1 ft. dist., marked B R x 4-4154 S T 2

thence N 11° 00' E

300.0 To original location for the west end center, being a  
 mound of stones 3 feet high with 3 foot base

600.0 Cor. No. 1, and place of beginning.

**LODE LINES**

The presumed course of the vein of each of the sev-  
 eral lode locations embraced in this survey, counted  
 from the respective points of discovery, is as follows:-

- Sure Thing No. 1 lode, N 84° 00' W 70 ft., and S 84° 00' E 1430 ft.
- Sure Thing No. 2 lode, S 79° 00' E 70 ft., and N 79° 00' W 1430 ft.

**AREAS**

Acres

Sure Thing No. 1 lode, total area	20.583
Sure Thing No. 2 lode, total area	20.661

**LOCATION**

This survey is located in the S E 1/4 of the N E 1/4; the N W 1/4 of the N E 1/4; the S W 1/4 of the N E 1/4; the E 1/2 of the N W 1/4 of Sec. 36, T 22 S, R 23 E, G & S R B & M, in the Warren Mining District, Cochise County, Arizona.

The survey of these lode claims is identical with the respective locations as marked on the ground and as surveyed by me at time of location in 1914. Any errors between the survey and the recorded location notices are due to errors in the latter.

#### IMPROVEMENTS

I certify that the value of the labor and improvements made upon or for the benefit of each of the lode locations embraced in said mining claim by the claimant or her grantors is not less than \$500, and that said improvements consist of:-

#### SURE THING NO. 1 lode

- No. 1 The discovery cut of the Sure Thing No. 1 lode, the face of which is the discovery point, is on the lode line, 70 feet from the west end center, 4 feet wide 10 ft. face, runs S 84° 00' E 12 feet to face  
Value \$ \$60
- No. 2 An open cut, the face of which is on the lode line, 55 feet from the west end center, 4 feet wide, 6 ft. face, runs South 20 ft. to portal  
Value \$ \$75
- No. 3 An open cut, the portal of which is on the lode line, 12 feet from the west end center, 4 feet wide, 10 ft. face, runs N 10° E 10 ft., thence N 85° E 35 ft. to face, at face of open cut is a shaft 4 x 15 ft., 15 ft. deep.  
Value of open cut and shaft \$ \$500
- No. 4 An open cut, the portal of which bears from Cor. No. 2, N 35° 10' E 297 ft., 6 feet wide, 12 ft. face, runs North 24 feet to face, at face is shaft 4x12, 60 feet deep  
Value of open cut and shaft \$ \$350
- No. 5 An open cut, the portal of which bears from Cor. No. 2 N 48° 55' E 265 ft., 4 feet wide, 10 ft. face, runs North 18 ft. to mouth of tunnel, tunnel 3 feet wide, 6 feet high runs North 50 feet to face  
Value of open cut and tunnel \$ \$440
- No. 6 An open cut, the portal of which bears from Cor. No. 4, S 86° W 510 ft., 4 feet wide, 10 ft. face, runs S 86° W 35 ft. to face  
Value of open cut \$ \$240
- No. 7 A shaft, the center of which bears from Cor. No. 1 N 75° 20' W 510 ft., 4x6 ft., 10 ft. deep  
Value \$ \$75
- No. 8 A shaft, the center of which bears from Cor. No. 1 N 75° 40' W 530 ft., 4x6 ft., 25 ft. deep  
Value \$ \$250

#### SURE THING NO. 2 lode

- No. 1 A shaft, the center of which being the discovery point,

- is on the lode line 70 ft. from the east end center,  
6 x 25 ft., 75 ft. deep  
Value \$ 1875
- No. 2 An open cut, the face of which is on the lode line 23 ft. from the east end center, 6 ft. wide, 10 ft. face runs N 79° 00' W 35 ft. to portal  
Value \$ 270
- No. 3 An open cut, the face of which is on the lode line 130 ft. from the east end center, 5 ft. wide, 15 ft. face runs West 40 ft. to portal, at face is shaft 7x10 ft., 10 ft. deep  
Value of open cut and shaft \$ 650
- No. 4 A trench, the east end of which bears from the east end center N 84° 10' W 170 ft., 5 x 5 ft., runs West 75 ft. to west end, where there is a shaft 4x6 ft., 30 ft. deep  
Value of trench and shaft \$750
- No. 5 An open cut, the portal of which bears from the east end center N 88° W 325 ft. 4 feet wide, 12 ft. face runs East 35 feet to face  
Value \$ 210
- No. 6 A shaft, the center of which bears from the east end center on lode line 690 ft., 4 x 6 ft., 12 ft. deep  
Value \$100
- No. 7 A shaft, the center of which is on the lode line 715 ft. from the east end center, 4x15 ft., 8 ft. deep  
Value \$150
- No. 8 An open cut, the portal of which bears from the east end center on the lode line 760 ft., 8 ft. wide 10 ft. face runs East 15 ft. to face, where there is a shaft 6x6 ft., 4 ft. deep  
Value of open cut and shaft \$200
- No. 9 An open cut, the portal of which bears from the west end center S 80° 30' E 638 ft., 5 feet wide, 12 ft. face, runs East 20 ft. to face  
Value \$150
- No. 10 An open cut, the portal of which is on the lode line 540 ft. from the west end center, 6 ft. wide, 10 ft. face runs N 45° E 12 ft. to face  
Value \$ 100
- No. 11 An open cut, the portal of which bears from the west end center S 71° 35' E 500 ft., 4 ft. wide, 10 ft. face runs N 45° E 15 ft. to face, at face is shaft 4x6 ft., 5 ft. deep  
Value of open cut and shaft \$ 125
- No. 12 An open cut, the portal of which bears from Cor. No. 4 S 83° 10' E 437 ft., 4 feet wide, 10 ft. face, runs N 15° E 15 ft. to face  
Value \$ 100
- No. 13 Main shaft, the center of which is on the lode line 610 ft. from the east end center, 6x9 ft., 130 ft. deep. The shaft is in unsafe condition at present, there are several hundred feet of crosscuts and drifts reported from this shaft, so that the value is not less than \$5000. This shaft has been sunk with the intention of making it a main working shaft for both claims of this group. From it the vein to the east through the Sure Thing No. 2 and into the Sure Thing

No. 1 can be worked most economically. The ground rises abruptly from the shaft towards the east. No portion of or interest in this improvement has been credited to any other claims except the two claims of this group and survey.

No. 2 An open cut, the face of which is on the line 23 ft. from the east end center, 6 ft. wide, 10 ft. deep. Value \$ 270

No. 3 An open cut, the face of which is on the line 133 ft. from the east end center, 3 ft. wide, 15 ft. deep. Value of open cut and shaft \$ 330

No. 4 A trench, the east end of which bears from the east end center N 34° 10' W 170 ft., 3 x 5 ft., runs West 75 ft. to west end, where there is a shaft 48 ft. 30 ft. deep. Value of trench and shaft \$ 350

No. 5 An open cut, the face of which bears from the east end center N 33° 15' W 123 ft., 4 feet wide, 12 ft. deep. Value \$ 100

*(do not include in transcript)*  
 Latitude: - Apparent Time 12 M

No. 6 A shaft, the center of which bears from the east end center on line 690 ft. 11 ft. deep. Value \$ 100

1<sup>st</sup> 54° 20'

2<sup>nd</sup> 54° 52'

No. 7 A shaft, the center of which bears from the east end center, 129 ft. 15 ft. deep. Value \$ 150

Sum 109° 12'

Mean 54° 36'

No. 8 An open cut, the face of which bears from the east end center on the line 15 ft. 15 ft. deep. Value of open cut and shaft \$ 200

Refr. 45"

54° 35' 15"

No. 9 An open cut, the face of which bears from the west end center S 60° 30' E 30 ft. 15 ft. deep. Value \$ 150

Decl. 3° 57' 05"

58° 32' 20"

No. 10 An open cut, the face of which bears from the west end center N 45° E 18 ft. 10 ft. deep. Value \$ 100

Lat. 31° 27' 40"

No. 11 An open cut, the face of which bears from the west end center S 71° 30' E 500 ft., 4 ft. wide, 10 ft. deep. Value of open cut and shaft \$ 125

No. 12 An open cut, the face of which bears from the east end center N 13° E 15 ft. 10 ft. deep. Value \$ 100

No. 13 Main shaft, the center of which is on the line 610 ft. from the east end center, 6 x 3 ft., 130 ft. deep. The shaft is in a mass of material present there are several hundred feet of crosscuts and drifts reported from this shaft, so that the vein is not less than 25000. This shaft has been sunk with the intention of making it a main working shaft for both claims of this group. From it the vein to the east through the sure thing No. 2 and into the sure thing

# FINAL OATHS FOR SURVEYS

## LIST OF NAMES

A list of the names of the individuals employed by Ralph L. Motz

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 \_\_\_\_\_

Mrs. Mary Boston

known as the Sure Thing No. 1 and Sure Thing No. 2 lodes

and showing the respective capacities in which they acted.

Frank Bliem, Chainman.

Chainman.

Tony Caretto, Axman.

Flagman.

## FINAL OATHS OF ASSISTANTS

We, Frank Bliem

and Tony Caretto, do solemnly swear that we assisted Ralph L. Motz

United States Mineral Surveyor, in marking the corners and surveying

the boundaries of the mining claim of Mrs. Mary Boston

known as the Sure Thing No. 1 and Sure Thing No. 2 lodes

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 Office Cadastral Engineer, at Phoenix, Arizona.

x Frank Bliem, Chainman.

Chainman.

x Tony Caretto, Axman.

Flagman.

Subscribed and sworn to by the above-named persons before me this 11th

day of March, 19 32

[Signature]

Notary Public, in and for the County of Cochise, State of Arizona.

GOVERNMENT PRINTING OFFICE

My commission expires

My Commission Expires December 26, 1933.



FINAL OATH OF U. S. MINERAL SURVEYOR.

I, Ralph L. Motz, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the Office Cadastral Engineer, at Phoenix, Arizona, dated February 18, 1932. I have, in strict conformity to the laws of the United States, the official regulations and instructions thereunder, and the instructions of said Office Cadastral Engineer, faithfully and correctly executed the survey of the Mining Claim of Mrs. Mary Poston, known as the SURE THING NO. 1 and SURE THING NO. 2 lodes, situate in Warren Mining District, Cochise County, Arizona, in Section 36, Township No. 22 S, Range No. 23 E, G & S R B & M, and designated as Survey No. 4154, 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 Office Cadastral Engineer with said instructions, and that all 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 her 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.

Ralph L. Motz
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Ralph L. Motz
U. S. Mineral Surveyor, before me B. S. Chase, notary public
this 6th
day of April, 1932

B. S. Chase
Notary Public, in and for the County of Cochise, State of Arizona.
GOVERNMENT PRINTING OFFICE My Commission Expires December 26, 1932.

OFFICE CADASTRAL ENGINEER'S FINAL CERTIFICATE ON FIELD NOTES

Department of the Interior

PUBLIC SURVEY OFFICE

Phoenix, Arizona

July 15, 1932

I, Office Cadastral Engineer at Phoenix, Arizona

do hereby certify that the foregoing transcript of the Field Notes, return and approval of the survey of the mining claim of

Mrs. Mary Boston

known as the SURE THING NO. 1, and SURE THING NO. 2 lodes

situate in Warren

Mining District Cochise County Arizona

in Section 36, Township No. 22 S, Range No. 23 E., and

designated as Survey No. 4154, 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.

I further certify that Five Hundred Dollars worth of labor has been expended or improvements made upon, or for the benefit of, each location embraced in said mining claim by claimant

or her grantors,

and that said improvements consist of 12 shafts, 14 cuts, 1 tunnel and 1 trench, total value \$11,670.

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.

John D. Adams

Office Cadastral Engineer.

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF  
MINING CLAIM

DEPARTMENT OF THE INTERIOR  
PUBLIC SURVEY OFFICE

At Phoenix, Arizona,

July 15, 19 32.

I, Office Cadastral Engineer at Phoenix, Arizona,

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the

Mining Claim of \_\_\_\_\_

Mrs. Mary Boston

\_\_\_\_\_, known as the

SURE THING NO. 1 and SURE THING NO. 2 lodes

situate in Warren mining district,

Cochise County, Arizona.

in Section 36, Township No. 22 S., Range No. 23 E., G. & S.R.  
B. & M.

\_\_\_\_\_, designated as Survey No. 4154

executed by Ralph L. Motz, U. S. Mineral

Surveyor, March 7 - 11, 19 32, under my instructions dated

February 18, 19 32, have been critically examined and the necessary

corrections 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.

*John D. Adams*  
Office Cadastral Engineer.