

MINERAL SURVEY No. 3554 A&B

Arizona

Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

P. B. Dreiser,

KNOWN AS THE

(IRON TRAIL) NUMBER ONE, STAR NO. 2, STAR NO. 3 lodes, and THE DREISER SPRING MILL SITE CLAIM AND WATER RIGHT.

Ellsworth

Mining District,

YUMA

County,

ARIZONA

Section 16, Township 5 North, Range 11 West Uns.

Surveyed under instructions dated December 16th., 1918.

by Harry E. Jones,

U. S. Mineral Surveyor.

Claim located See location notices, 19

Survey commenced December 17th., 1918.

Survey completed December 25th., 1918.

Address of claimant Prescott, Arizona.

DATES OF AMENDED LOCATIONS.

Feet

(IRON TRAIL) NUMBER ONE Lode

- Beginning at Cor. No. 1
 Identical with location monument.
 A x on a quartzite boulder in place, exposed 10x12x15 ft.
 chiseled ITNO-1-3554A, with a substantial mound of stone
 alongside.
- U. S. Location Monument No. 3554A&B bears S. 25°^{07'30"}~~17'~~ W.
~~1508.50~~
~~1579.54~~ ft. No other bearings available.
- Thence N. 1° 11' E.
- 160.00 Cross 8 ft wash course SE.
- 171.26 To West End Center
 A substantial mound of stone, whence the location monument
 bears N. 33° 42' W. 71.5 ft.
- 330.21 To Cor. No. 2
 A 3 $\frac{1}{4}$ ft. $\frac{3}{4}$ in. iron pipe, stamped ITNO-2-3554A; set 12ins.
 in ground and surrounded with a substantial mound of stone.
 Whence the location monument bears N. 85° 05' W. 58.0 ft.
 No bearings available.
- Thence N. 54° 44' E.
- 870.00 Cross 10 ft. wash course SE.
- 888.55 To Cor. No. 3
 A 3 $\frac{1}{4}$ ft. $\frac{3}{4}$ in. iron pipe, stamped ITNO-3-3554A; set 12 ins.
 in ground and surrounded with a substantial mound of stone.
 Whence the location monument bears N. 16° 44' E. 128.0 ft.
 No bearings available.
- Thence S. 1° 11' W.
- 30.00 Cross 10 ft wash course SE.
- 283.8 Intersect the East End Center location monument.
- 328.2 To East End Center
 A substantial mound of stone, whence the location monument
 bears N. 1° 11' E. 44.4 ft.
- 439.08 To Cor. No. 4
 A 3 $\frac{1}{4}$ ft. $\frac{3}{4}$ in. iron pipe stamped ITNO-4-3554A; set 12 ins.
 in ground and surrounded with a substantial mound of stone.
 Whence the location monument bears N. 70° 43' E. 79.6 ft.
 Cor. 4 Star No. 2 lode this survey bears S. 37° 15' E. 57.85 ft.
 No other bearings available.

Feet Thence S. 60° 48' W.

61.67 Intersect line 3-4 Star No.2 lode this survey, at a point which bears ~~N.79°49'W. 90.28 ft. from Cor.4, and S.79°49' E. 325.24 ft. from Cor.3.~~

650.00 Cross 8 ft. wash course SE.

659.23 Intersect line 2-3 Star No.2 lode this survey, at a point which bears N. 30° E. 472.07 ft. from Cor. 2, and S.30°W. 403.03 ft. from Cor.3

828.50 To Cor. No. 1 the place of beginning.

STAR NO. 2 Lode

Beginning at Cor. No. 1

Identical with Cor. ^{No.}5 Star No. 3 lode this survey,

A 3 $\frac{1}{4}$ ft. $\frac{5}{8}$ in. iron pipe, stamped SNO.2-1-3554A and SNO.3-5-3554A; set 12 ins. in ground and surrounded with a substantial mound of stone. Whence the location monument bears S. 70° 50' E: 10.0 ft.

U. S. Location Monument No. 3554A&B bears S. 49° 42' W. 1442.83 ft. No other bearings available.

Thence N. 70° 50' W.

291.00 To South End Center

A substantial mound of stone, identical with location monument and the North End Center of Star No.3 lode this survey.

544.36 To Cor. No. 2

Identical with location monument, and Cor.4 Star No. 3 lode this survey.

A 3 $\frac{1}{4}$ ft. $\frac{5}{8}$ in. iron pipe, stamped SNO.2-2-3554A and SNO.3-4-3554A; set 12 ins. in ground and surrounded with a substantial mound of stone. No bearings available.

Thence N. 30° E.

472.07 Intersect line 4-1 (Iron Trail) Number One lode this survey at a point which bears ~~N.60°48'E. 169.27 ft. from Cor.1~~ and S.60°48'W. 659.23 ft from Cor. 4.

490.0 Cross 8 ft. wash course SE.

875.10 To Cor. No. 3

Identical with location monument.

Feet A 3 1/4 ft. 3/4 in. iron pipe, stamped SNO.2-3-3554A; set 12 ins. in ground and surrounded with a substantial mound of stone.

No bearings available.

Thence S. 79° 49' E.

325.24 Intersect. line 4-1 (Iron Trail) Number One lode. this survey at a point which bears S. 60° 48' W. 61.67 ft. from Cor. 4, and N. 60° 48' E. 766.83 ft. from Cor. 1.

415.52 To Cor. No. 4
A 3 1/4 ft. 3/4 in. iron pipe, stamped SNO.2-4-3554A; set 12 ins. in ground and surrounded with a substantial mound of stone.

Whence the location monument bears N. 71° E. 520.0 ft.

Cor. 1 (Iron Trail) Number One lode this survey bears N. 37° 15' W. 57.85 ft. No other bearings available.

Thence S. 70° 50' E.

380.00 Cross 15 ft. wash course S.

408.76 To East End Center

A substantial mound of stone, whence the location monument bears N. 89° 01' E. 67.0 ft.

452.36 To Cor. No. 5
A 3 1/4 ft. 3/4 in. iron pipe, stamped SNO.2-5-3554A; set 12 ins. in ground and surrounded with a substantial mound of stone. Whence the location monument bears S. 11° 10' W. 253.0 ft.

No bearings available.

Thence S. 65° 33' W.

115.00 Enter 15 ft wash course SW.

415.00 Leave 15 ft wash course S.

487.44 To Cor. No. 6

A 3 1/4 ft. 3/4 in. iron pipe, stamped SNO.2-6-3554A; set 12 ins. in ground and surrounded with a substantial mound of stone. Identical with location monument. No bearings available.

Thence S. 31° 38' W.

235.00 Cross 10 ft. wash course SE.

602.30 To Cor. No. 1 the place of beginning.

STAR NO. 3 Lode

Beginning at Cor. No. 1

- . Feet A $3\frac{1}{4}$ ft. $\frac{3}{4}$ in.-iron pipe, stamped SNO.3-1-3554A; set 12 ins. in ground and surrounded with a substantial mound of stone. Whence the location monument bears S. $63^{\circ}40'W$. 438.0 ft. U. S. Location Monument No. 3554A&B bears S. $63^{\circ}23'W$. 473.05 Ft. No other bearings available. Thence N. $70^{\circ}50'W$.
- 290.39 To South End Center. A substantial mound of stone, whence the location monument bears N. $81^{\circ}-20'W$. 253.0 ft.
- 542.60 To Cor. No. 2 A $3\frac{1}{4}$ ft. $\frac{3}{4}$ in. iron pipe, stamped SNO.3-2-3554A; set 12 ins. in ground and surrounded with a substantial mound of stone. Whence the location monument bears N. $29^{\circ}46'W$. 202.0 ft. No bearings available. Thence N. $57^{\circ}16'E$.
- 485.20 To Cor. No. 3 A $3\frac{1}{4}$ ft. $\frac{3}{4}$ in. iron pipe, stamped SNO.3-3-3554A; set 12 ins. in ground and surrounded with a substantial mound of stone, identical with the location monument. No bearings available. Thence N. $30^{\circ}13'E$.
- 531.77 To Cor. No. 4 Identical with location monument, and Cor. 2 Star No. 2 lode this survey previously described. Thence S. $70^{\circ}50'E$. Along line 2-1 Star No. 2 lode this survey.
- 253.36 To North End Center Identical with location monument, and South End Center Star No. 2 lode this survey previously described.
- 544.36 To Cor. No. 5 Identical with Cor. ^{No.} 1 Star No. 2 lode this survey previously described. Whence the location monument bears S. $70^{\circ}50'E$. 10.0 ft. Thence S. $28^{\circ}07'W$.
- 724.56 To Cor. No. 6 Identical with location monument.

Feet A 3 $\frac{1}{2}$ ft. $\frac{3}{4}$ in. iron pipe, stamped SNO.3-6-3554A; set 12 ins. in ground and surrounded with a substantial mound of stone. Cor.1 Dreiser Spring Mill-Site Claim and Water-Right ^{this survey} bears S.84°33'E. 688.94 ft. No other bearings available.

Thence S. 76° 14' W.

345.90 To Cor. No. 1 the place of beginning.

Variation at all corners 14°30' E.

LODE LINES

As near as can be determined from the present developments and the outcropping veins of the locations embraced in this claim, they extend as follows from their respective discovery points:

- (Iron Trail) Number One, lode;
- N. 64° 32' E. 589.68 ft. and S. 64° 32' W. 210.0 ft.
- Star No. 2 lode;
- N. 89° 01' E. 593.42 ft. and S. 32° 41' W. 740.62 ft.
- Star No. 3 lode;
- N. 25° 17' E. 594.02 ft. and S. 66° 29' W. 461.21 ft.

The veins of the Star No.2 and Star No.3 lodes ^{are} 30 to 40 ft. in width and ^{are} easily traced along the surface the entire length of these lodes, and pitches slightly to the North and West, and as indicated above ~~there~~ is a decided deflection in the trend of the veins from their respective discovery points.

SURVEY NO. 3554 B

DREISER SPRING MILL-SITE CLAIM AND WATER-RIGHT

Beginning at Cor. No. 1

Identical with location monument.

A 3 $\frac{1}{2}$ ft. $\frac{3}{4}$ in. iron pipe, stamped DSMSC&WR-1-3554B; set 12 ins. in ground and surrounded with a substantial mound of stone.

Cor.6 Star No.3 lode this survey bears N.84°33'W. 688.94 ft.

U.S. Location Monument No.3554A&B bears S.81°W. 1462.72ft.

No other bearings available.

Feet
 487.76 To Cor. No. 2
 Identical with location monument.
 A 3 $\frac{1}{4}$ ft. $\frac{1}{2}$ in. iron pipe, stamped DSMSC&WR-2-3554B; set 12 ins. in ground and surrounded with a substantial mound of stone. No bearings available.
 Thence S. 79° 30' E.
 220.00 Cross 20 ft. wash course S.
 458.70 To Cor. No. 3
 Identical with location monument.
 A 3 $\frac{1}{4}$ ft. $\frac{1}{2}$ in. iron pipe, stamped DSMSC&WR-3-3554B; set 12 ins. in ground and surrounded with a substantial mound of stone. No bearings available.
 Thence S. 29° 11' E.
 270.00 Cross 20 ft. wash course E.
 434.56 To Cor. No. 4
 Identical with location monument.
 A 3 $\frac{1}{4}$ ft. $\frac{1}{2}$ in. iron pipe, stamped DSMSC&WR-4-3554B; set 12 ins. in ground and surrounded with a substantial mound of stone. No bearings available.
 Thence N. 87° 18' W.
 456.12 To Cor. No. 1 the place of beginning.

Variation at all corners 14° 30' E.

AREA

Total area (Iron Trail) Number One lode	6.311 Acres
Total area Star No. 2 lode	12.621 "
Area in conflict with---	
(Iron Trail) Number One lode this sur.	1.415 "
Total area Star No. 3 lode	12.070 "
Total area Dreiser Spring Mill-Site and Water-Right	4.019 "

LOCATION

This survey is located in the W $\frac{1}{2}$ of Section 16, T. 5 N. R. 11 W. (uns) G&SRB&M. Ellsworth Mining District, Yuma

County, Arizona.

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 claimant or his grantors is not less than Five Hundred dollars, and that said improvements consist of:

(Iron Trail) Number One Lode

No.1 Dis. cut 6x15x11 ft. faces S. and tunnel 4x6x6 ft. runs N. bears N.64°32'E. 210.0 ft. from West End Center.

Value \$ 240.00

No.2 cut 5x12x6 ft. faces S. bears N.64°32'E. 180.0 ft. from the West End Center.

Value \$ 100.00

No.3 cut 15x8x20 ft. faces SE. shaft 4x7x20 ft. deep in cut, and tunnel 4x6x24 ft. long bearing N.17°E. bear N. 38°26'E. 256.6 ft. from Cor. 1;

Value \$ 790.00

No.4 cut 6x7x4 ft. faces S. bears N.50°32'E. 390.0 ft from Cor. 1;

Value \$ 60.00

No.5 cut 6x8x6 ft. faces S. bears S.71°31'W. 98.0 ft. from Cor. 4;

Value \$ 75.00

An equal undivided 1/3 interest in No.1 Improvement, Star No. 2 lode this survey hereinafter described is assigned to this claim.

Value \$ 821.66

Star No. 2 Lode

No.1 Dis. shaft 5x6x56 ft. deep; center brs. from E.E.C. S.89°01'W. 593.42 ft. at the 46 ft. level a drift 4x6x21 ft. long bears S.88°E. from the end of which a cross-cut 4x5x6 ft. long bears N.

At the bottom of the above shaft a cross-cut 6x15x12 ft. long bears N. from which a drift 6x15x25 ft. long bears S.60°W. and 6x15x10 ft. long bears N.60°E.; From the SW. end of the SW. drift a cross-cut 6x12x12 ft. long bears S.10°E.

Total Value \$ 2465.00

This shaft, being centrally located, is a practicable and feasible main working-shaft for the group, as by extending the drifts and cross-cuts, which at present exist, towards and under the other claims of this group, the entire group may be advantageously developed and ore extracted therefrom; and can be done from the present depth of the workings as the bottom of the shaft is below the surface of the veins of each of the claims of this group.

The general slope of the surface of the claims is upward from the southeast to the northwest.

I therefore consider this shaft and its adjacent workings, a common improvement for the benefit of each claim of this group and an equal $\frac{1}{3}$ undivided interest of the total value of this improvement (\$821.66) is properly accredited to each lode claim of the group.

An equal $\frac{1}{3}$ undivided interest is assigned to this claim.

Value \$ 821.66

No.2 cut 4x13x10 ft. faces SW. tunnel 4x6x43 ft. long bears N.12°W. at the 20ft. point in the tunnel a station 3x10x14 ft. is cut out and a winze is sunk 5x5x12 ft. deep. bears N.80°08'W. 362 ft. from Cor.6; Value \$ 820.00

Star No. 3 Lode

No.1 Dis. cut 7x8x10 ft. faces N. bears N.66°29'E. 461.21ft. from the South End Center.

Value \$ 100.00

An equal undivided $\frac{1}{3}$ interest in No.1 improvement Star No.2 lode, is assigned to this claim.

Value \$ 821.66

OTHER IMPROVEMENTS

Dreiser Spring Mill-Site and Water-Right

An old tent and foundation bears N.0°57W. 113 ft. from Cor.1.

A developed spring bears N.6°22'E. 267.3 ft. from Cor. 1.

An old tent and foundation bears N.58°47'E. 113 ft. from Cor. 1.

ADJOINING CLAIMS

This survey is bounded on the North, South, East and West by Public land.

INSTRUMENT

This survey was made with a light mountain W.& L.E.Gurley transit.

The courses were deflected from a true meridian as determined by direct sun observations December 20th. and 24th. 1918.

The distances were measured with 50 and 600 foot steel tapes.

REPORT

The lines of this claim were run directly upon the ground and the corners established by measurements upon them. All tie lines were run upon the ground.

The location notices of Star No. 2 and Star No. 3 lodes read as though they were located as parallelograms, but from the actual existence of the veins and monuments upon the ground, they were located as indicated in these field notes and plat.

After having completed the survey of this claim, and marked and set the corners, it was determined that the connection with a Public land corner was out of limits; it therefore become necessary to establish a U.S.Location Monument which was done in the best practice^{al} position in accordance with the manual of instructions; said U.S.Location Monument being described under separate report.

Upon my return from the field I determined that Cors.No.1 of the Star No.2; Star No.3 and the Dreiser Spring Mill-Site and Water-Right were not the corner nearest the U.S. Location Monument, however as there is only a slight difference in the length of these tie lines I trust that it will not be necessary to change the markings of these corners.

Harry E. Jones
U. S. Mineral Surveyor.

UNITED STATES LOCATION MONUMENT NO. 3554A&B

Ellsworth Mining District

Yuma County, Arizona.

This monument is situated on the top of a sharp peak of quartzite, with abrupt precipices descending on the North and West sides, and is visible for a long distance from any direction.

A 5ft. 1 $\frac{1}{2}$ in. iron pipe with a 1in. 4.5ft. pipe telescoped in the top, the lower pipe stamped U.S.L.M.NO. 3554A&B; set 18 ins. in ground and surrounded with a mound of stone having a 6 ft. base and 3.5 ft. high.

Cor. No. 1 Star No. 3 lode, Sur. No. 3554 A bears, N. 63° 23' E. 473.05 ft.

A x on a quartzite rock in place exposed 3x4x6 ft. marked BxRUSLMNO.3554A&B; bears S. 56° 32' W. 12.90 ft.

A x on a quartzite rock in place exposed 3x4x2 ft. marked BxRUSLMNO.3554A&B; bears S. 61° 13' E. 8.84 ft.

The closing corner common to Sections 5 and 6, T. 4 N.

R. 11 W. a bronze capped pipe, bears S. 4° 0' W. 16322.72ft.

The standard corner common to Sections 32 and 33, T. 5 N.

R. 11 W. (uns.) a stone marked with 2 notches on West and 4 notches on East and SC on North, bears S. 1° 08' 30" W. 16302.97 ft.

December 17-25, 1918.



U. S. Mineral Surveyor.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Harry E. Jones,

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 _____

P. B. Dreiser,

(IRON TRAIL) NUMBER ONE, STAR NO. 2, STAR NO. 3 lodes and known as the THE DREISER SPRING MILL-SITE CLAIM AND WATER RIGHT.

and showing the respective capacities in which they acted.

J. L. Jones _____, *Chainman.*

Walter J. Pepper _____, *Chainman.*

_____, *Axman.*

_____, *Flagman.*

FINAL OATHS OF ASSISTANTS.

We, J. L. Jones,

and Walter J. Pepper

_____, do solemnly swear that we assisted _____

Harry E. Jones

_____, United States Mineral Surveyor, in marking the corners and surveying

the boundaries of the mining claim of _____

P. B. Dreiser,

(IRON TRAIL) NUMBER ONE, STAR NO. 2, STAR NO. 3 lodes and known as the THE DREISER SPRING MILL-SITE CLAIM AND WATER RIGHT.

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 instructions furnished by the United States Surveyor-General for Arizona.

J. L. Jones _____, *Chainman.*

Walter J. Pepper _____, *Chainman.*

_____, *Axman.*

_____, *Flagman.*

Subscribed and sworn to by the above-named persons before me this 28th.

day of December, 1918.

W. Morvill

Notary Public.

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, Harry E. Jones, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated December 16th. 1918., 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 P. B. Dreiser, known as the (IRON TRAIL) NUMBER ONE, STAR NO. 2, STAR NO. 3 lodes and THE DREISER SPRING MILL-SITE CLAIM AND WATER RIGHT, situate in Ellsworth Mining District, Yuma County, Arizona, in Section 16, Township No. 5 N., Range No. 11 W Uns. G&SRB&N., and designated as Survey No. 3554 A&B, 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 his 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.

Harry E. Jones
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Harry E. Jones, U. S. Mineral Surveyor, before me W. S. Norviel, Notary Public in and for Maricopa County Arizona. this 28th. day of December, 1918.

W. S. Norviel

Notary Public

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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona.

June 12, 1919

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

P. B. DREISER

known as the (IRON TRAIL) NUMBER ONE, STAR NO. 2 STAR NO. 3 LODES, AND THE DREISER SPRING MILL SITE CLAIM AND WATER RIGHT.

situate in ELLSWORTH

Mining District, YUMA County, ARIZONA.

in Section 16, Township No. 5 N., Range No. 11 W., uns., and

designated as Survey No. 3554 A&B, 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^s by claimant or his grantors, and that said improvements consist of 7 cuts. 3 tunnels. 2 shafts. 2 drifts. 3 crosscuts.

1 station and 1 winze, total value \$4650.00

As improvement No. 1 on the Star No. 2 lode is a common improvement for the benefit and development of the three lode claims in this survey. an undivided one-third interest therein, value \$821.66. is properly credited to each of the lodes in this group.

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.

June 12, 1919

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

P. B. DREISER

, known as the

(IRON TRAIL) NUMBER ONE, STAR NO.2 STAR NO.3 LODES AND THE DREISER SPRING MILL SITE CLAIM AND WATER RIGHT.

situate in ELLSWORTH mining district,

YUMA

County,

ARIZONA

in Section 16, Township No. 5 N., Range No. 11 W., unbr.

, designated as Survey No. 3554 A&B

executed by Harry E. Jones, U. S. Mineral

Surveyor, December 17-25, 1918, under my instructions dated

December 16, 1918, 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]

U. S. Surveyor General for Arizona.