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UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

MINERAL SURVEY NO. 4297

Arizona Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

Bert B. Watkins

Known As The

MAGGIE LODE

Hartford Mining District,

Cochise County, Arizona

Section 5, Township 24 S., Range 21 E., G&SRM

Surveyed under instructions dated August 20, 1945

by Ralph L. Motz
Mineral Surveyor.

Claim located July 5, 1929

Survey commenced August 22, 1945

Survey completed August 23, 1945

Address of claimant 's lawyers, Gibbs & Gibbs, 302 Home Builders
Phoenix, Arizona.

DATES OF AMENDED LOCATIONS

August 10, 1945.

Mineral Survey No. 4297 - Arizona.

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Feet

Mineral Survey No. 4297 was made with a C. L. Berger & Sons precise transit, with horizontal limb 6.25 inches in diameter, having double opposite verniers, and full vertical circle, 5 inches in diameter, having one double vernier; the verniers read to one minute of arc; the eye piece is equipped with a colored glass slide in a prismatic eye piece 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. The azimuth was taken from the true meridian as used in Mineral Survey No. 4285, which survey was made by me, and which survey lies about 1200 feet to the northwest. All azimuths in this record are therefore referred to the true meridian as used in Mineral Survey No. 4285, by the method of deflection angles and calculated courses.

The lines were measured with a Keuffel & Esser steel tape, 100 feet in length, graduated to feet, tenths and hundredths of feet for the entire length; a Keuffel & Esser steel tape, 300 feet in length, graduated to feet, tenths and hundredths of feet for the entire length; a Keuffel & Esser steel tape, 25 feet in length, graduated to feet, inches and fractions of inches for the entire length. All tapes were compared with a Keuffel & Esser standard steel tape at the time of beginning the survey and found correct.

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 12° 45' E.

MAGGIE

Beginning at Cor. No. 1 of the Maggie lode, identical with the SE. cor. of the Poppy lode, unsurveyed.

Set an iron pipe, 2 inches in diameter, 37 inches long, 17 ins. in the ground, with iron cap 2 1/2 inches in diameter, mkd. M-1-4297; from which

Sec.

The 1/4 Cor. Secs. 4 and 5, T. 24 S., R. 21 E., G. & S. R. M. bears S. 0° 02' E., 123.8 ft., being an iron pipe with brass cap, firmly set and properly marked

A quartzite rock in place, 7x26 ins., 4 ins. above ground bears S. 61° 46' W., 12.2 ft., mkd. BR X M-1-4297.

A quartzite ledge, 37x75 ins., 19 ins. above ground bears N. 71° 24' W., 57.0 ft., mkd. BR X M-1-4297

A monument of rocks, 3 ft. high, 3 ft. base, bears southerly 3 ft.

Thence S. 0° 02' E.,

Sec.

123.8 The 1/4 Cor. Secs. 4 and 5, T. 24 S., R. 21 E., G. & S. R. M.

300.0 Intersect the east end of the lode line at the original location for the east end center, being a monument of rocks, 3 ft. high, 3 ft. base,

400.0 Cross Jones Gulch, 10 ft. wide, course easterly

600.0 Cor. No. 2

Identical with the northeast corner of the Hill lode, unsurveyed

Set an iron pipe, 2 inches in diameter, 37 inches long,

Feet

- 17 inches in the ground, with iron cap 2 1/2 inches in diameter, mkd. M-2-4297; from which
- A porphyry ledge, 12x55 ins., 27 ins. above ground bears S. 11° 57' W., 34.9 ft., mkd. BR X M-2-4297
- A quartzite rock in place, 11x19 ins., 6 ins. above ground bears N. 50° 31' W., 42.3 ft., mkd. BR X M-2-4297
- A monument of rocks, 3 ft. high, 3 ft. base, bears northerly 3 ft.
- Thence N. 89° 56' W.,
- 535.0 Cross Jones gulch, 10 feet wide, course easterly
- 1170.0 Cross Jones Gulch, 5 ft. wide, course southeasterly
- 1500.0 Cor. No. 3
- Identical with the northwest corner of the Hill lode, unsurveyed
- Set an iron pipe, 2 inches in diameter, 37 inches long, 18 inches in the ground, with iron cap, 2 1/2 inches in diameter, mkd. M-3-4297; from which
- A sandstone rock in place, 9x30 ins., 15 ins. above ground, bears N. 22° 01' W., 20.7 ft., mkd. BR X M-3-4297
- A quartzite rock in place, 18x25 ins., 8 ins. above ground, bears S. 26° 05' W., 19.1 ft., mkd. BR X M-3-4297
- A monument of rocks, 3 ft. high, 3 ft. base, bears northeasterly 3 ft.
- Thence N. 0° 02' W.,
- 107.0 Cross Jones gulch, 5 ft. wide, course easterly.
- 117.0 North east corner of Cliff lode and southeast corner of Reggie lode; both unsurveyed
- 300.0 Intersect the west^{end} of the lode line at the original location for the west end center, being a monument of rocks 3 ft. high, 3 ft. base.
- 600.0 Cor. No. 4
- Identical with the southwest corner of the Poppy lode, unsurveyed
- Set an iron pipe, 2 inches in diameter, 37 inches long, 19 ins. in the ground, with iron cap, 2 1/2 inches in diameter, mkd. M-4-4297; from which
- A quartzite ledge, 27x86 ins., 64 ins. above ground bears S. 88° 14' E., 17.8 ft., mkd. BR X M-4-4297
- A quartzite ledge, 34x87 ins., 77 ins. above ground bears N. 77° 33' W., 20.5 ft., mkd. BR X M-4-4297
- A monument of rocks, 3 ft. high, 3 ft. base, bears easterly 3 ft.
- Cor. No. 3, Mineral Survey No. 4285 Crockett lode

Feet	
	bears N. 0° 02' W., 937.0 ft., being a granite rock in place, properly marked.
	The N.E. Cor. of the Peggie lode, unsurveyed, bears N. 0° 02' W. Thence S. 89° 56' E., 117 ft.
1122.0	Cross mine road, 10 ft. wide, course southerly.
1500.0	Cor. No. 1 and place of beginning.

LODE LINE

The lode line of the lode claim of this survey is, from the point of discovery, as follows:-

N. 89° 56' W., 500 ft., and, S. 89° 56' E., 1000 ft.

AREA acres:

Total area, Maggie lode - - - - - 20.661

LOCATION

This survey is located in the S 1/2 NE 1/4 and N 1/2 SE 1/4 of Sec. 5, T. 24 S., R. 21 E., G. & S. R. M., in the Coronado National Forest.

The survey of this lode location is identical with the amended location as marked on the ground.

EXPENDITURE OF \$500

I certify that the value of the labor and improvements made upon this lode location by the claimant or his grantors is not less than \$500, and that said improvements consist of:-

- | | |
|-------|--|
| No. 1 | The discovery open cut of the Maggie lode, the face of which being the discovery point is on the lode line, 500 ft. from the west end center; 6 ft. wide, 15 ft. face, runs N. 77° 30' W., 30 ft. to face and portal of tunnel, 4x6 ft. in size, running N. 77° 30' W., 37 ft. to breast
Value \$820 |
| No. 2 | An open cut, the mouth of which bears N. 74° 08' W., 780 ft. from Cor. No. 2 of the Maggie lode; 75 ft. wide, 5 ft. face runs N. 77° 30' W., 10 ft. to face and mouth of open cut, 5 ft. wide, 5 ft. high at mouth, 11 ft. face, runs N. 77° 30' W., 20 ft. to face and portal of tunnel, 5x7 ft. in size, running N. 77° 30' W., 69 ft. to Sta. 1; thence N. 67° W., 88 ft. to Sta. 2; thence N. 77° 30' W., 65 ft. to Sta. 3; thence West 21 ft. to breast
Value \$4085 |
| No. 3 | An open cut, the mouth of which bears S. 89° 56' E., 476 ft. from Cor. No. 3 of the Maggie lode; 8 ft. wide, 12 ft. face runs N. 22° 30' W., 15 ft. to face and portal of tunnel, 5x7 ft. in size runs N. 22° 30' W., 8 ft. to Sta. 1, thence N. 22° 30' W., 22 ft. to breast, from Sta. 1 is cross-cut 6x7 ft. in size running N. 65° W., 15 ft. to breast
Value \$930 |
| No. 4 | A shaft, the center of which bears N. 60° E., 25 ft. from the west end center of the Maggie lode; 5x7 ft. in size, 16 ft. deep
Value \$225 |

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No. 5 An open cut, the mouth of which bears S. 75° 50' E., 462 ft. from Cor. No. 4 of the Maggie lode; 4 ft. wide, 6 ft. face runs S. 30° W., 10 ft. to face.
Value \$25

No. 6 An open cut, the mouth of which bears N. 62° 36' E., 475 ft. from Cor. No. 3 of the Maggie lode; 4 ft. wide, 10 ft. face, runs N. 36° W., 24 ft. to face.
Value \$150

ADJOINING CLAIMS

North Poppy lode, unsurveyed, Claimant, applicant herein.
South Hill lode, unsurveyed, Claimant, applicant herein
West Cliff lode, unsurveyed, Claimant, applicant herein
Peggie lode, unsurveyed, Claimant, Lucy A. Jones.

DESCRIPTION OF CLAIM

The survey of this lode location is identical with the lode location as shown on the ground.

VEIN

No. 5 An open cut, the mouth of which bears S. 75° 50' E., 462 ft. from Cor. No. 4 of the Maggie lode; 4 ft. wide, 6 ft. face runs S. 30° W., 10 ft. to face and mouth of open cut is 3 ft. wide, 5 ft. face and center of tunnel is 11 ft. in size, running S. 75° 50' E. 462 ft. to Cor. No. 4 of the Maggie lode; 4 ft. wide, 6 ft. face runs S. 30° W., 10 ft. to face.

VALUE

No. 6 An open cut, the mouth of which bears N. 62° 36' E., 475 ft. from Cor. No. 3 of the Maggie lode; 4 ft. wide, 10 ft. face, runs N. 36° W., 24 ft. to face and mouth of tunnel is 11 ft. in size, running N. 62° 36' E., 475 ft. to Cor. No. 3 of the Maggie lode; 4 ft. wide, 10 ft. face, runs N. 36° W., 24 ft. to face.

VALUE

No. 4 An open cut, the mouth of which bears S. 75° 50' E., 462 ft. from Cor. No. 4 of the Maggie lode; 4 ft. wide, 6 ft. face runs S. 30° W., 10 ft. to face and mouth of tunnel is 11 ft. in size, running S. 75° 50' E., 462 ft. to Cor. No. 4 of the Maggie lode; 4 ft. wide, 6 ft. face runs S. 30° W., 10 ft. to face.

VALUE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

FINAL OATHS FOR SURVEYS

LIST OF NAMES

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

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 _____

Bert B. Watkins

known as the MAGGIE LODE

and showing the respective capacities in which they acted.

- Seth Foster _____, *Chainman.*
- _____ _____, *Chainman.*
- Don Maddern _____, *Arman.*
- _____ _____, *Flagman.*

FINAL OATHS OF ASSISTANTS

We, Seth Foster

and Don Maddern, 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 Bert B. Watkins

known as the MAGGIE 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 instructions furnished by the Office Cadastral Engineer, at Phoenix, Arizona.

- Seth Foster _____, *Chainman.*
- Don Maddern _____, *Chainman.*
- _____ _____, *Arman.*
- _____ _____, *Flagman.*

Subscribed and sworn to by the above-named persons before me this 24th

day of August, 1945

W. K. Miescher

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

My commission expires Feb. 3, 1949.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

FINAL OATH OF MINERAL SURVEYOR

I, Ralph L. Motz, Mineral Surveyor,
do solemnly swear that, in pursuance of instructions received from the Office Cadastral
Engineer, at Phoenix, Arizona, dated August 20, 1945,
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 _____
Bert B. Watkins, known as the
MAGGIE LODE,
situate in Hartford Mining District,
Cochise County, Arizona, in Section
5, Township No. 24 S., Range No. 21 E.
G. & S. R. M.
and designated as Survey No. 4297, 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 im-
provements 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.

Ralph L. Motz
(Mineral Surveyor)

Subscribed and sworn to by the said Ralph L. Motz
Mineral Surveyor, before me W. H. Miescher, Notary Public

this 24th
day of August, 1945

W. H. Miescher

Notary Public, in and for the County of
Cochise, State of Arizona.
My commission expires Feb. 3, 1949.

CADASTRAL ENGINEER'S FINAL CERTIFICATE ON FIELD NOTES

United States
Department of the Interior
GENERAL LAND OFFICE
PUBLIC SURVEY OFFICE

Phoenix, Arizona

September 24, 19 45

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 Bert B. Watkins

known as the MAGGIE LODE

situate in Hartford

Mining District Cochise County Arizona

in Section 5, Township No. 24 S., Range No. 21 E., G&SRM, and

designated as Survey No. 4297, 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 his grantors, and that said improvements consist of 5 cuts, 3 tunnels, 1 crosscut and 1 shaft, total value \$6235.00

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 District Land Office at Phoenix, Arizona is correct and in conformity with the foregoing Field Notes.

E. A. Thompson
Office Cadastral Engineer.

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF MINING CLAIM

UNITED STATES DEPARTMENT OF THE INTERIOR GENERAL LAND OFFICE PUBLIC SURVEY OFFICE

At Phoenix, Arizona

September 24, 1945

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 Bert B. Watkins

known as the MAGGIE LODE

situate in Hartford mining district, Cochise County, Arizona

in Section 5, Township No. 24 S., Range No. 21 E., G & S R M, designated as Survey No. 4297

executed by Ralph L. Motz, Mineral

Surveyor, August 22 to August 23, 1945 under my instructions dated

August 20, 1945, 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.

E. A. Thompson Office Cadastral Engineer.