

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

MINERAL SURVEY NO. 4277

Arizona Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

Joseph F. Wolff

Known As The

ORCHARD and ANNEX lodes

Hartford Mining District,

Cochise County, Arizona

Section s 25 & 26, Township 23 S., Range 20 E., G&SRM

Surveyed under instructions dated February 14, 1944

by Ralph L. Motz
U. S. Mineral Surveyor.

Orchard: Annex:
Claim located Jan. 10, 1915 & Oct. 14, 1915

Survey commenced February 18, 1944

Survey completed February 22, 1944

Address of claimant % Box 01174, Bisbee, Arizona.

DATES OF AMENDED LOCATIONS

February 1, 1944.

Feet

Mineral Survey No. 4277 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. An a. m. altitude observation of the sun for azimuth, and at noon on the meridian for latitude, were made at Cor. No. 2 of the Annex lode, the details of which observations are shown in the calculation sheets submitted herewith 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 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 Lufkin steel tape, 25 feet in length, graduated to feet, inches and fractions of inches for the entire length. All tapes were compared with a Lufkin 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.

ANNEX lode.

Beginning at Cor. No. 1 of the Annex lode

Set a quartzite rock, 28x10x4 ins., 18 ins. in the ground, mkd. A-1-4277; from which

Sec.

The 1/4 Cor. Secs. 25 and 26, T. 23 S., R. 20 E., G. & S. R. M. bears N. 74° 31' E., 702.8 ft.; being a limestone rock, 6x8 ins., 6 ins. above ground, firmly set and properly marked.

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

Thence N. 89° 50' E.,

1418.0 Cross road, 10 ft. wide, course northerly

1500.0 Cor. No. 2

Set a granite rock, 28x11x6 ins., 19 ins. in the ground, mkd. A-2-4277; from which

A monument of rocks, 3 ft. high, 3 ft. base, bears northerly 4 ft.

Thence S. 0° 10' E.,

115.0 Cross South Fork of Hunter Canyon, 15 ft. wide, course northeasterly

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

600.0 Cor. No. 3

Set a granite rock, 27x10x7 ins., 19 ins. in the ground,

Feet

- mkd. A-3-4277; from which
- A granite rock in place, 32x44 ins., 12 ins. above ground, bears N. 80° 10' E., 23.1 ft., mkd. BR X A-3-4277
- A granite rock in place, 18x27 ins., 15 ins. above ground, bears S. 46° 15' E., 27.4 ft., mkd. BR X A-3-4277
- Thence S. 89° 50' W.,
- 500.0 Cor. No. 1 of the Orchard lode of this survey
- 740.0 Cross South Fork of Hunter Canyon, 15 ft. wide, course northeasterly
- 801.0 Cross trail, 3 ft. wide, course northeasterly
- 865.0 Cross trail, 2 ft. wide, course northerly
- 1500.0 Cor. No. 4
- Situated on line 4-1 of the Orchard lode of this survey, being
- A limestone rock in place, 11x27 ins., 8 ins. above ground, mkd. A-4-4277; from which
- A quartzite rock in place, 10x23 ins., 14 ins. above ground, bears S. 44° 37' W., 14.0 ft., mkd. BR X A-4-4277
- A monument of rocks, 3 ft. high, 3 ft. base, bears northeasterly 3 ft.
- Thence N. 0° 10' W.,
- 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. 1 and place of beginning.
- ORCHARD lode.
- Beginning at Cor. No. 1 of the Orchard lode
- Situated on line 3-4 of the Annex lode of this survey, being
- A granite rock in place, 18x26 ins., 11 ins. above ground, mkd. O-1-4277; from which
- The 1/4 Cor. Secs. 25 and 26, T. 23 S., R. 20 E., G. & S. R. M. bears N. 22° 28' W., 849.1 ft., previously described
- A monument of rocks, 3 ft. high, 3 ft. base, bears southerly 3 ft.
- Thence S. 0° 10' E.,
- 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
- 600.0 Cor. No. 2

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Feet	
	Set a quartzite rock, 30x9x6 ins., 18 ins. in the ground, mkd. 0-2-4277; from which
	A quartzite ledge, 44x62 ins., 22 ins. above ground, bears S. 49° 40' W., 29.3 ft., mkd. BR X 0-2-4277
	A limestone ledge, 41x43 ins., 8 ins. above ground, bears S. 50° 46' E., 47.4 ft., mkd. BR X 0-2-4277
	A monument of rocks, 3 ft. high, 3 ft. base, bears easterly 3 ft.
	Thence S. 89° 50' W.,
1500.0	Cor. No. 3
	Set a limestone rock, 36x11x4 ins., 24 ins. in the ground, mkd. 0-3-4277; from which
	A limestone rock in place, 6x27 ins., 16 ins. above ground, bears N. 0° 10' W., 21.2 ft., mkd. BR X 0-3-4277
	A monument of rocks, 3 ft. high, 3 ft. base, bears northeasterly 3 ft.
	Thence N. 0° 10' W.,
141.0	Cross trail, 3 ft. wide, course easterly
190.0	Cross South Fork of Hunter Canyon, 10 ft. wide, course easterly
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
	Set a limestone rock, 30x12x5 ins., 20 ins. in the ground, mkd. 0-4-4277; from which
	A limestone rock in place, 24x42 ins., 10 ins. above ground, bears N. 69° 21' W., 9.8 ft., mkd. BR X 0-4-4277
	A limestone rock in place, 8x22 ins., 25 ins. above ground, bears S. 58° 10' W., 19.3 ft., mkd. BR X 0-4-4277
	A monument of rocks, 3 ft. high, 3 ft. base, bears southerly 3 ft.
	Thence N. 89° 50' E.,
330.0	Cross Dunn Canyon, 10 ft. wide, course southeasterly
500.0	Cor. No. 4 of the Annex lode of this survey
1135.0	Cross trail, 2 ft. wide, course northerly
1199.0	Cross trail, 3 ft. wide, course northeasterly
1260.0	Cross South Fork of Hunter Canyon, 15 ft. wide, course northeasterly
1500.0	Cor. No. 1 and place of beginning.

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LODE LINES

The presumed course of the vein of each of the lode claims of this survey, counted from the respective points of discovery, is as follows:-

Annex lode:- N. 89° 50' E., 800 ft., and, S. 89° 50' W., 700 ft.

Orchard lode:- N. 89° 50' E., 750 ft., and, S. 89° 50' W., 750 ft.

AREAS

acres

Total area, Annex lode - - - - - 20.661

Total area, Orchard lode - - - - - 20.661

LOCATION

This survey is located in the SW 1/4 Sec. 25 and the SE 1/4 of Sec. 26, both of T. 23 S., R. 20 E., G. & S. R. M., in the Coronado National Forest.

The survey of each of the lode locations embraced in this survey 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 or for the benefit of each of the lode locations embraced in said mining claim by the claimant or his grantors is not less than \$500, and that said improvements consist of:-

ANNEX

- No. 1 The discovery cut of the Annex lode, the face of which being the discovery point is on the center line, 800 ft. from the east end center; 5 ft. wide, 10 ft. face, running S. 81° W., 15 ft. to face and portal of tunnel, 4x6 ft. in size runs S. 81° W., 12 ft. to breast
Value \$280
- No. 2 An open cut, the mouth of which bears from Cor. No. 4 of the Annex lode N. 68° 15' E., 762 ft.; 4 ft. wide, 10 ft. face running N. 48° W., 18 ft. to face and portal of tunnel 4x6 ft. in size runs N. 36° W., 20 ft., thence N. 16° W., 15 ft. to breast
Value \$615
- No. 3 An open cut, the mouth of which bears N. 75° 52' E., 793 ft. from Cor. No. 4 of the Annex lode; 4 ft. wide, 5 ft. face, running N. 45° W., 10 ft. to face
Value \$25
- No. 4 An open cut, the mouth of which bears N. 78° 10' E., 718 ft. from Cor. No. 4 of the Annex lode; 4 ft. wide, 10 ft. face, running N. 45° W., 28 ft. to face
Value \$150
- No. 5 An open cut, the mouth of which bears N. 76° 15' E., 674 ft. from Cor. No. 4 of the Annex lode; 4 ft. wide, 10 ft. face running N. 20° W., 12 ft. to face and portal of tunnel 4x6 ft. in size runs N. 20° W., 22 ft., thence S. 70° W., 10 ft. to breast
Value \$540

- No. 6 An open cut, the mouth of which bears S. 75° 50' E., 804 ft. from Cor. No. 1 of the Annex lode; 6 ft. wide, 14 ft. face, running S. 78° W., 20 ft. to face and portal of tunnel, 4x6 ft. in size, runs S. 78° W., 90 ft., thence S. 33° 30' W., 20 ft., thence S. 75° W., 10 ft. to breast. At 85 ft. in tunnel is cross cut 4x6 ft. in size, runs N. 20° W., 20 ft. to breast
Value \$2310
- No. 7 An open cut, the mouth of which bears S. 75° 10' W., 762 ft. from Cor. No. 1 of the Annex lode; 4 ft. wide, 10 ft. face, running S. 47° W., 12 ft. to face and portal of tunnel, 3x6 ft. in size runs S. 47° W., 10 ft. to breast
Value \$160
- No. 8 An open cut, the mouth of which bears S. 72° 55' E., 755 ft. from Cor. No. 1 of the Annex lode; 4 ft. wide, 14 ft. face, running S. 82° W., 20 ft. to face and portal of tunnel, 4x6 ft. in size, runs S. 82° W., 20 ft. to breast. At face of open cut is trench 5x6 ft. in size, runs S. 82° W., 25 ft. to west end. At east end of trench is shaft 4x6 ft. in size, 10 ft. deep. At west end of trench is shaft 4x7 ft. in size, 12 ft. deep. At west end of trench is an open cut, 8 ft. wide, 12 ft. face, running S. 8° E., 12 ft. to face
Value \$870
- No. 9 An open cut, the mouth of which bears S. 69° 45' E., 770 ft. from Cor. No. 1 of the Annex lode; 4 ft. wide, 8 ft. face, running N. 82° W., 12 ft. to face
Value \$50
- ORCHARD
- No. 1 The discovery shaft of the Orchard lode, the center of which being the discovery point is on the center line 750 ft. from the east end center; 6x6 ft. in size, 15 ft. deep
Value \$225
- No. 2 A shaft, the center of which bears South 10 ft. from a point on center line 730 ft. from the east end center of the Orchard lode; 4x6 ft. in size, 15 ft. deep
Value \$150
- No. 3 An open cut, the mouth of which bears South 20 ft. from a point on center line 710 ft. from the east end center of the Orchard lode; 18 ft. wide, 12 ft. face, running S. 21° W., 12 ft. to face and portal of tunnel, 4x6 ft. in size, runs S. 21° W., 40 ft. to breast. In west side of cut is tunnel, 4x6 ft. in size, runs N. 75° W., 40 ft. to breast.
Value \$1525
- No. 4 A shaft, the center of which bears South 10 ft. from a point on center line 815 ft. from the east end center of the Orchard lode; 4x6 ft. in size, 50 ft. deep
Value \$750
- No. 5 An open cut, the mouth of which bears South 40 ft. from a point on center line 678 ft. from the east end center of the Orchard lode; 6 ft. wide, 10 ft. face, running S. 15° W., 14 ft. to face. In bottom is shaft 4x6 ft. in size, 5 ft. deep
Value \$155
- No. 6 An open cut, the mouth of which bears North 35 ft. from a point on center line 630 ft. from the east end center of the Orchard lode; 4 ft. wide, 10 ft. face, running S. 34° 30' W., 20 ft. to face and portal of tunnel,

4x6 ft. in size, runs S. 34° 30' W., 65 ft. to breast
Value \$1075

OTHER IMPROVEMENTS

A stone and frame house, the northeast corner of which
bears N. 71° 30' W., 440 ft. from Cor. No. 3 of the
Annex lode, 14x26 ft. in size, long side brg. S. 60° E.

A galvanized iron shed, the southeast corner of which
bears N. 71° 30' W., 495 ft. from Cor. No. 3 of the
Annex lode, 12x12 ft., in size, one side bearing WEST.

ADJOINING CLAIMS

None.

ORCHARD

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 _____

Joseph F. Wolff

known as the ORCHARD and ANNEX lodes

and showing the respective capacities in which they acted.

Richard L Jimenez, Chainman.

_____, Chainman.

Edward L Daniel, Axman.

_____, Flagman.

FINAL OATHS OF ASSISTANTS

We, Richard L Jimenez

and Edward L Daniel, do solemnly swear that we assisted Ralph L. Motz

_____, Mineral Surveyor, in marking the corners and surveying the boundaries of the mining claim of Joseph F. Wolff

known as the ORCHARD and ANNEX 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 instructions furnished by the Office Cadastral Engineer, at Phoenix, Arizona.

Richard L Jimenez, Chainman.

Edward L Daniel, Axman.

_____, Flagman.

Subscribed and sworn to by the above-named persons before me this 23rd

day of February, 19 44

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

My commission expires Feb. 3, 1945.

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 Feb. 14, 1944,
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 _____
Joseph F. Wolff, known as the
ORCHARD and ANNEX lodes,
situate in Hartford Mining District,
Cochise County, Arizona, in Section^s
25 and 26, Township No. 23 S., Range No. 20 E., G. & SRM
and designated as Survey No. 4277, 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 23rd
day of February, 1944

W. H. Miescher

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

My commission expires February 3, 1945.

OFFICE CADASTRAL ENGINEER'S FINAL CERTIFICATE ON FIELD NOTES

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

Phoenix, Arizona

April 28, 1944

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 Joseph F. Wolff

known as the ORCHARD and ANNEX lodes

situate in Hartford

Mining District Cochise County Arizona

in Section s 25 & 26 Township No. 23 S., Range No. 20 E., G&SRM, and designated as Survey No. 4277

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 6 shafts, 13 cuts, 9 tunnels, 1 trench, and 1 crosscut, total value \$8880.

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

April 28, 19 44

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 Joseph F. Wolff

known as the ORCHARD and ANNEX lodes

situate in Hartford mining district, Cochise Arizona

in Sections 25 & 26, Township No. 23 S., Range No. 20 E., G & S.R.M., designated as Survey No. 4277

executed by Ralph L. Motz, Mineral Surveyor, February 18 to 22, 19 44, under my instructions dated

February 14, 19 44, 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.