

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4477

Arizona Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

ALLAN C. BROWN and JOSEPH S. DANIELS

Known As The

DOROTHY

San Francisco Mining District,

Mohave County, Arizona

Section 23, Township 19 North, Range 20 West

Surveyed under order dated December 18, 1958
Amended July 10, 1959

by J. William Waara
Mineral Surveyor.

Claim located December 8, 1953

Survey commenced December 22, 1958

Survey completed July 21, 1959

Address of claimant c/o William Crocker, Attorney-in-fact
Box 1883
Prescott, Arizona

DATES OF AMENDED LOCATIONS

June 30, 1959

XCHASER

XCHASER

This survey was made with a Lietz Light Mountain Transit, No. 9503, with horizontal limb five inches in diameter, having two double opposite verniers reading to thirty seconds of arc and a full vertical circle five inches in diameter, having double opposite verniers reading to one minute of arc; the eyepiece is equipped to receive a prismatic eyepiece with colored shade for direct observations upon the sun. The instrument was in good condition at the time of the survey and all adjustments were in good order.

All azimuths in this record were determined by the method of deflection angles referred to the meridian established by a direct observation on the sun:

December 23, 1959, at cor. No. 4 of the Dorothy lode, latitude $35^{\circ} 01' 20''$ N., and longitude $114^{\circ} 20' 30''$ W., turning from a reference point northwest, clockwise to the sun in the southwest.

True bearing of the reference point: N. $21^{\circ} 22' 30''$ E.

The lines were measured with an $1/8$ -inch wide, 400-foot steel tape, graduated every foot. This tape was compared with a standard 100-foot 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 declination observed at each corner of the survey gave a uniform value of $14^{\circ} 30'$ E.

DOROTHY LODGE

At cor. No. 1.

On line 5-6, Sur. No. 3231, Monarch Mine lode, at its intersection with line 1-2, Sur. No. 3300, Gratiot lode.

Set a $1/2$ -inch iron pipe 36 inches long 6 inches into the ground, surrounded by a substantial mound of stone, fitted with a 3-inch floor flange with copper plate bolted thereon, marked D 1 4477, with its center for exact corner point; from which

The north $1/4$ sec. cor. of sec. 23, T. 19 N., R. 20 W., Gila and Salt River Meridian, bears N. $26^{\circ} 41' W.$, 895.3 ft. dist.

Cor. No. 4, Sur. No. 3284, Black Hawk Fraction lode, bears S. $41^{\circ} 07' E.$, 468.89 ft. dist.

No other bearings available:

Thence N. $72^{\circ} 27' E.$

30.0 Lode line; built a substantial mound of stone; the discovery cut and shaft bear S. $41^{\circ} 57' E.$, 308.0 ft. dist.

136.0 Cor. No. 1, Gratiot lode, identical with Cor. No. 2, Merrill lode, both of Sur. No. 3300.

180.3 Witness Corner to Cor. No. 2 of this lode.

Set a $1/2$ -inch iron pipe 36 inches long 6 inches into the ground, surrounded by a substantial mound of stone, fitted with a 3-inch floor flange with copper plate bolted thereon, marked WC D 2 4477, with its center for exact corner point.

CORNERS

- No bearings available.
- 180.96 Intersect line 3-4, Sur. No. 3284, Black Hawk Fraction lode, at a point from which Cor. No. 4 bears S. 18° 25' E., 429.83 ft. dist.; 417.73 ft. dist. from its intersection with line 4-1 of this survey; 398.62 ft. dist. from its intersection with 5-6, Sur. No. 3231, Monarch Mine lode.
- 277.8 Cor. No. 2
On line 2-3, Emma lode and line 1-2, Merrill lode, both of Sur. No. 3300.
This corner point falls on the precipitous slopes of a rugged cliff area where a permanent monument cannot be established.
Thence S. 42° 41' E.
- 362.64 Intersect line 4-5, Sur. No. 4386, Oneida lode, at a point from which Cor. No. 5 bears N. 44° 33' E., 9.75 ft. dist.; 214.93 ft. dist. from its intersection with line 1-4, Sur. No. 3284, Black Hawk Fraction lode.
- 469.87 Intersect line 1-4, Sur. No. 3284, Black Hawk Fraction lode, at a point from which Cor. No. 4 bears S. 71° 35' W., 290.42 ft. dist.; 276.09 ft. dist. from its intersection with line 5-6, Sur. No. 3231, Monarch Mine lode; 235.50 ft. dist. from its intersection with line 4-5, Sur. No. 4386, Oneida lode.
- 482.47 Intersect line 3-4, Sur. Nos. 3845 and 4119, North Aztec lode, at a point from which Cor. No. 4 of both surveys, identical with Cor. No. 6, Sur. No. 4386, Oneida lode, bears N. 44° 33' E., 32.68 ft. dist.; S. 44° 33' W., 28.81 ft. dist. from the intersection with line 3-4 of this survey.
- 497.37 Cor. No. 3, identical with Cor. No. 2, Emma lode, and Cor. No. 3, Gold Range Fraction lode, both of Sur. No. 3300.
A 4 x 4-inch wood post, 4 ft. long, set 12 inches in the ground and surrounded by a substantial mound of stone, scribed E 2-GRF 3300, to which I attach a copper plate marked D 3 4477, with the center of top of post for exact corner point; from which
Cor. No. 6, Oneida lode, Sur. No. 4386, identical with Cors. No. 4, North Aztec lode, Sur. Nos. 3845 and 4119, bears N. 20° 32' E., 36.56 ft. dist.
Cor. No. 4, Sur. No. 3284, Black Hawk Fraction lode, bears S. 76° 20' W., 302.76 ft. dist.
No other bearings available.
Thence S. 72° 27' W.
- 31.79 Intersect line 3-4, Sur. Nos. 3845 and 4119, North Aztec lode, at a point from which Cor. No. 4 of both surveys, identical with Cor. No. 6, Sur. No. 4386, Oneida lode, bears N. 44° 33' E., 61.49 ft. dist.
- 255.2 Lode line; built a substantial mound of stone; the discovery cut and shaft bear N. 41° 57' W., 186.47 ft. dist.
- 278.11 Intersect line 5-6, Sur. No. 3231, Monarch Mine lode, at a point from which Cor. No. 6 bears S. 42° 41' E., 195.85 ft. dist.; S. 42° 41' E., 57.23 ft. dist. from its intersection with line 3-4, Sur. No. 3284, Black Hawk Fraction lode; 22.58 ft. dist. from its intersection with line 1-4, Sur. No. 3284, Black Hawk Fraction lode; 4.45 ft. dist. from its intersection with line 4-5, Sur. No. 4386, Oneida lode.

CROSS

287.6

Cor. No. 4, on line 4-5, Oneida lode, Sur. No. 4386.

Set a $\frac{1}{2}$ -inch pipe 36 inches long 6 inches into the ground, surrounded by a substantial mound of stone, fitted with a 3-inch floor flange with copper plate bolted thereon, marked D 4 4477, with its center for exact corner point; from which

Cor. No. 4, Sur. No. 3284, Black Hawk Fraction lode, bears N. $52^{\circ} 41' W.$, 25.1 ft. dist.

The intersection of line 4-1, Sur. No. 3284, Black Hawk Fraction lode, with line 4-5, Sur. No. 4386, Oneida lode, bears N. $44^{\circ} 33' E.$, 45.74 ft. dist.

The intersection of line 4-1, Sur. No. 3284, Black Hawk Fraction lode, with line 5-6, Sur. No. 3231, Monarch Mine lode, bears N. $44^{\circ} 33' E.$, 8.60 ft. dist.

A cross chiseled on upper end of volcanic reef, 20 ft. high on its lower side, bears N. $44^{\circ} 33' E.$, 16.8 ft. dist.

No other bearings available.

Thence N. $41^{\circ} 42' W.$

22.58

Intersect line 4-1, Sur. No. 3284, Black Hawk Fraction lode at a point from which Cor. No. 4 bears S. $71^{\circ} 35' W.$, 5.21 ft. dist.; S. $71^{\circ} 35' W.$, 49.71 ft. dist. from its intersection with line 4-5, Sur. No. 4386, Oneida lode; 9.10 ft. dist. from its intersection with line 5-6, Sur. No. 3231, Monarch Mine lode.

35.75

Intersect line 3-4, Sur. No. 3284, Black Hawk Fraction lode at a point from which Cor. No. 4 bears S. $18^{\circ} 25' E.$, 12.10 ft. dist.; N. $18^{\circ} 25' W.$, 19.11 ft. dist. from its intersection with line 5-6, Sur. No. 3231, Monarch Mine lode.

493.5

Cor. No. 1 and the place of beginning.

Survey No. 4477

AREAS

	Acres
Total area, Dorothy lode	2.922
Area in conflict with	
Sur. No. 3231, Monarch lode	0.049
Sur. No. 3284, Black Hawk Fraction lode	1.904
Sur. No. 3284, Black Hawk Fraction lode, exclusive of its conflict with Sur. No. 3231, Monarch lode	1.900
Sur. No. 3845, Aztec lode	0.005
Sur. No. 4119, Aztec lode	0.005
Sur. No. 4119, Aztec lode, exclusive of its conflict with Sur. No. 3845, Aztec lode	0.000
Sur. No. 4386, Oneida lode	0.403
Sur. No. 4386, Oneida lode, exclusive of its conflict with	
(1) Sur. No. 3231, Monarch lode	0.403
(2) Sur. No. 3284, Black Hawk Fraction lode	0.139
(3) Sur. No. 3845, Aztec lode	0.398
(4) Sur. No. 4119, Aztec lode	0.398
(5) Surs. Nos. 3231, 3284, 3845 and 4119, Monarch, Black Hawk Fraction and Aztec lodes	0.134

(Note: Surs. Nos. 3845 and 4119, Aztec lode, are identical and should be considered as one conflict.)

Chains

LOCATION

This survey is located in the NW¹/₄ of the NE¹/₄ of Sec. 23, T. 19 N. R. 20 W., Gila and Salt River Meridian, Mohave County, Arizona.

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

EXPENDITURES

The improvements and the value of the labor and improvements made upon or for the benefit of the lode location embraced in said mining claim by the claimants or their grantors are as follows:

- No. 1 The discovery cut and shaft of the Dorothy lode, the center of which being the discovery point, is on the lode line S. 41° 57' E., 308 ft. from its intersection with line 1-2; cut 4 x 10 x 6 ft. with shaft in face 4 x 6 x 4 ft. deep bears southerly.
Value, \$125.00
- No. 2 A cut, the mouth of which bears S. 44° 15' E., 315 ft. from Cor. No. 1; with 5 x 16 x 10 foot face, bears southerly.
Value, \$150.00
- No. 3 A cut, 4 x 11 x 6¹/₂ foot face, the mouth of which bears S. 53° 30' E., 235 ft. from Cor. No. 1, bears northerly.
Value, \$75.00
- No. 4 A cut, 5 x 10 x 6¹/₂ foot face, the mouth of which bears S. 55° E., 215 feet from Cor. No. 1, bears northerly.
Value, \$75.00
- No. 5 A cut and tunnel. The cut, 4 x 25 x 12 ft., the mouth of which bears S. 3° W., 200 ft. from Cor. No. 2, bears northwesterly and the tunnel, 4 x 6 x 20 ft., bears northerly. Rehabilitated workings.
Value, \$100.00
- No. 6 A cut and tunnel. The cut, 4 x 27 x 10 foot face, the mouth of which bears S. 12° 45' W., 182 ft. from Cor. No. 2, bears northwesterly and the tunnel, 4 x 6 x 10 ft. bears northwesterly. Rehabilitated workings.
Value, \$100.00
- No. 7 A cut, being the northerly continuation of Improvement No. 8 of this lode, 4 x 19 x 8 foot face. Caved.
Value, \$125.00
- No. 8 A cut, 4 x 11 x 8 foot face, the mouth of which bears S. 46° E., 310 ft. from Cor. No. 1, bears southerly.
Value, \$100.00

OTHER IMPROVEMENTS

None

OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

Sur. No. 3231: The corners of this survey are 4 x 4 foot posts exposed 4 ft. above ground and surrounded by a monument of stone, 4 ft. at base and 2 ft. high. Posts are properly scribed with the number of the corner and survey.

Sur. No. 3231; Monarch Mine lode: Line 5-6 is shown as approved.

Survey No. 4477

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Chains

Sur. No. 3284: The type of corners is identical with those described in Sur. No. 3231.

Sur. No. 3284, Black Hawk Fraction lode: Lines 3-4 and 4-1 are shown as approved.

Sur. No. 3300: The type of corners is identical with those described in Sur. No. 3231

Sur. No. 3300, Emma, Merrill and Gratiot lodes: All lines shown are as approved.

Sur. No. 3845: The type of corners is identical with those described in Sur. No. 3231.

Sur. No. 3845, North Aztec lode: Line 3-4 is shown as approved.

Sur. No. 4119, North Aztec lode: Same as recorded above for Sur. No. 3845, North Aztec lode.

Sur. No. 4386: The type of corners is identical with those described in Sur. No. 3231.

Sur. No. 4386, Oneida lode: Line 4-5 is shown as approved.

FIELD ASSISTANTS

Name	Capacity
Raymond W. White	Chainman

Survey No. 1177

Chains		Chains
<p>Chains</p> <p>Sur. No. 3281: The type of corners is identical with those described in Sur. No. 3231.</p> <p>Sur. No. 3281, Black Hawk Fraction Lode: Lines 3-4 and 4-1 are shown as approved.</p> <p>Sur. No. 3280: The type of corners is identical with those described in Sur. No. 3231.</p> <p>Sur. No. 3280, Grant, Merrill and Grant Lodes: All lines shown are as approved.</p> <p>Sur. No. 3281: The type of corners is identical with those described in Sur. No. 3231.</p> <p>Sur. No. 3281, North Astec Lode: Line 3-4 is shown as approved.</p> <p>Sur. No. 3281, North Astec Lode: Same as recorded above for Sur. No. 3281, North Astec Lode.</p> <p>Sur. No. 3280: The type of corners is identical with those described in Sur. No. 3231.</p> <p>Sur. No. 3280, Orinda Lode: Line 1-2 is shown as approved.</p>	<p>FIELD ASSISTANTS</p> <p>Name</p> <p>Raymond W. White</p> <p>Capacity</p> <p>Chairman</p>	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

July 24, 1959

I, J. William Waara

Mineral Surveyor, hereby certify upon honor that in pursuance of an ^{amended} order received from the _____

Public Survey Office, at Phoenix Arizona

dated July 10 1959, I have faithfully and correctly executed the survey of

the mining claim of Allan C. Brown, and Joseph S. Daniels

known as the DOROTHY Lode

(Lode, placer, or mill site)

situate in San Francisco Mining District in sec. 23.

T. 19 N., R. 20 W., G.&.S.R. Meridian, Arizona, and

(State)

designated as Survey No. 4477, which is represented in the foregoing field notes as having been executed by me and under my direction, and that said survey has been made in strict conformity with said order, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes, and I do further certify that the labor expended and improvements made

upon or for the benefit of the lode location(s) embraced in the said mining claim by

(Lode or placer)

claimant(s) or their grantors are fully stated in my report therein, and that the character, extent, location, and itemized value thereof are specified therein with particularity and full detail, and that no portion of, or interest in, said labor and improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.

Prescott Arizona.
(Place)

J. William Waara
(Mineral Surveyor)

CERTIFICATE OF APPROVAL

Bureau of Land Management Survey Office

(Office)

Phoenix, Arizona December 2, 1959

(Place)

(Date)

The foregoing field notes of mineral survey No. 4477, in _____

Section 23, T. 19 North, R. 20 West, Gila & Salt River Meridian,

Arizona, executed by J. William Waara, Mineral Surveyor,

(State)

under/order dated July 10, 1959, having been critically examined and the necessary corrections made prior to their certification by the surveyor, the field notes and the survey therein described are hereby approved.

Lester S. Mann
Lester S. Mann

Office Cadastral Engineer
(Title)

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of field notes of the above described mineral survey No. _____ is a true copy of the original field notes.

CERTIFICATE OF SURVEYOR

July 24, 1959

J. William Weira

Mineral Surveyor hereby certifies upon honor that in pursuance of an order received from the

Public Survey Office at Phoenix Arizona

dated July 10, 1959 I have faithfully and correctly executed the survey of

the mining claim of Allan G. Brown and Joseph A. Daniels

known as the DOBERRY LODE

situate in San Francisco Mining District in sec. 23,

T. 19 N. R. 20 W. G. & S. E. Meridian Arizona and

designated as Survey No. 4577 which is represented in the foregoing field notes as having been
executed by me and under my direction and that said survey has been made in strict conformity with said order,
the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner
described in the foregoing field notes, and I do further certify that the labor expended and improvements made

upon or for the benefit of the DOBERRY LODE

claimant(s) or their grantors are fully stated in my report therein, and that the character,
extent, location and itemized value thereof are specified therein with particularity and full detail, and that no
portion of, or interest in, said labor and improvements so credited to this claim has been included in the estimate
of expenditures upon any other claim.

Phoenix Arizona

CERTIFICATE OF APPROVAL

Bureau of Land Management Survey Office

Phoenix, Arizona

The foregoing field notes of mineral survey No. 4577 in

Section 23, T. 19 N. R. 20 W. G. & S. E. Meridian

Arizona, executed by Mineral Surveyor

under order dated July 10, 1959, having been critically examined and the necessary
corrections made prior to their certification by the surveyor, the field notes and the survey therein described
are hereby approved.

CERTIFICATE OF TRANSCRIPT

I certify that the foregoing transcript of field notes of the above described mineral survey No. 4577
is a true copy of the original field notes.