

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4343

Arizona Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

St. Anthony Mining & Development Company, Ltd., and
Bertha I. Freeman

Known As The

Ben Hur and Domingo

Old Hat Mining District,

Pinal County, Arizona

Sections 22 and 27, Township 8 South, Range 16 East

Surveyed under order dated August 19, 19 49

by T.N. Stevens
Mineral Surveyor.

Claim located Nov. 18, 1921; Sept. 18, 1929, 19

Survey commenced August 30, 19 49

Survey completed September 9, 19 49

Address of claimant's Attorney, Howard A. Twitty,
Phoenix, Arizona

DATES OF AMENDED LOCATIONS

July 22, 1949

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This survey was made with a Buff & Buff Transit No. 25780 with horizontal limb 5 ins. diam., having two opposite verniers and full vertical circle, 4 ins. diam., having one double vernier; the verniers read to one minute of arc. 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 determined by the following observation.

August 30, 1949 at south end center Ben Hur lode in latitude $32^{\circ} 42' 35''$ N. and longitude $110^{\circ} 41' 50''$ W., I make a series of six altitude observations upon the sun for azimuth at approximately equal time intervals, three each with the telescope in direct and reversed positions, bisecting the sun and reading the horizontal angle from the reference point N-E-S to the sun.

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|--|---|
| Mean time of observation 105th | |
| meridian standard time | 10 ^h 00 ^m A.M. |
| Apparent time | 9 ^h 37 ^m 13 ^s A.M. |
| Declination of sun at mean time of observation | 8° 57' 20.3" |
| Mean observed vertical angle to sun's center | 48° 35' 00" |
| Mean horizontal angle from reference point to sun's center | 145° 28' 20" |
| True bearing of reference point | N. 28° 51' W., |

The lines were measured with a Lufkin Steel tape 500 ft. in length, graduated every foot, with the last foot graduated to tenths and hundredths; both tapes were compared with a standard and were correct at the time of the survey.

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 15° E.

BEN HUR LODE

Feet

At Cor. No. 1 of the Ben Hur lode,

Set an iron post, $3\frac{1}{2}$ ft. long, 2 ins. diam., 18 ins. in the ground, surrounded by a mound of stone to top, with leaden cap mkd. 1 BH-4343; from which

The $\frac{1}{4}$ sec. cor. of Secs. 26 and 27, T. 8 S., R. 16 E., bears S. $68^{\circ} 52' 15''$ E., 2069.94 ft. dist.; a very old weathered post, 4 ins. sq., 4 ft. high firmly set in mound of stone mkd. XXVII on W. face and XXVI on E. face.

Cor. No. 4 Sur. No. 4342 Tornado lode, bears N. $24^{\circ} 03'$ W., 319.82 ft. dist.

No local bearing objects are available.

Thence S. $61^{\circ} 09'$ W.,

300.0 Lode line; discovery point bears N. $28^{\circ} 51'$ W., 350.0 ft. dist.

Set a pine post, 4 ins. sq. by 4 ft. long, firmly in the ground and surrounded by a mound of stone mkd. S. Cr. BH.

2.

Survey No. 4343

| Feet | |
|---------|---|
| 481.60 | Cor. No. 3, Sur. No. 4342 Tornado lode. |
| 600.0 | Cor. No. 2. |
| | Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground, surrounded by a mound of stone to top with leaden cap mkd. 2 B H-4343. |
| | No bearing objects are available. |
| | Thence N. 28° 51' W. |
| 880 | Wash, 10 ft. wide, course northerly. |
| 1250 | Wash, 20 ft. wide, course easterly. |
| 1465.53 | Cor. No. 3, identical with Cor. No. 2 Domingo lode of this survey. |
| | Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground, surrounded by a mound of stone to top with leaden cap mkd. 3 B H-2D-4343. |
| | No local bearing objects are available. |
| | Thence N. 61° 09' E. |
| 300.0 | Lode line; discovery point bears S. 28° 51' E., 1115.53 ft. dist., identical with lode line Domingo lode of this survey. |
| | Set a 4 inch Palo Verde post, 4 ft. long, firmly in the ground and surrounded by a mound of stone mkd. N. Cr. B H, S. Cr. Dom. |
| 600.0 | Cor. No. 4, identical with Cor. No. 1, Domingo lode of this survey. |
| | Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground, surrounded by a mound of stone to top with leaden cap mkd. 4 B H 1-D-4343. |
| | No local bearing objects are available. |
| | Thence S. 28° 51' E. |
| 820 | Wash, 20 ft. wide, course easterly. |
| 1163.61 | Intersect line 3-4 Sur. No. 4342 Tornado lode at a point from which Cor. No. 4 bears N. 29° 04' E., 31.59 ft. dist., and Cor. No. 3 bears S. 29° 04' W., 568.41 ft. dist. |
| 1465.53 | Cor. No. 1 and place of beginning. |

DOMINGO LODGE

Beginning at Cor. No. 1 of the Domingo lode, identical with Cor. No. 4 Ben Hur lode of this survey, heretofore described; from which

The ¼ sec. cor. of Secs. 26 and 27, T. 8 S., R. 16 E., bears S. 52° 25' 30" E., 3328.48 ft. dist.

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| | Thence S. 61° 09' W. |
| 300.0 | Lode line; discovery point bears N. 28° 51' W., 200 ft. dist. Identical with lode line, Ben Hur lode of this survey, heretofore described. |
| 600.0 | Cor. No. 2, identical with Cor. No. 3 Ben Hur lode of this survey, heretofore described. |
| | Thence N. 28° 51' W. |
| 1500.0 | Cor. No. 3 |
| | Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground, surrounded by a mound of stone to top with leaden cap mkd. 3 D-4343. |
| | No local bearing objects are available. |
| | Thence N. 61° 09' E. |
| 300.0 | Lode line; discovery point bears S. 28° 51' E., 1300.0 ft. dist. |
| | Set a palo verde post, 4 ins. diam., by 4 ft. long, firmly in the ground and surrounded by a mound of stone mkd. N. Cr. Dom. |
| 360 | Junction of roads, bearing southerly and southeasterly. |
| 600.0 | Cor. No. 4 |
| | Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground, surrounded by a mound of stone to top with leaden cap mkd. 4 D-4343. |
| | No local bearing objects are available. |
| | Thence S. 28° 51' E. |
| 450 | Road bears southeasterly. |
| 1120 | Wash, 20 ft. wide, course southeasterly. |
| 1500.0 | Cor. No. 1 and place of beginning. |

AREAS

| | Acres |
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| Total area Ben Hur lode | 20.186 |
| Area in conflict with Sur. No. 4342 Tornado lode | 1.669 |
| Total area Domingo lode | 20.661 |

LOCATION

This survey is located in the SW¼ Sec. 22, NE¼ Sec. 27 and NW¼ Sec. 27, T. 8 S., R. 16 E.

The survey of the Ben Hur and Domingo lodes is identical with the respective locations as marked on the ground.

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EXPENDITURES

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

- No. 1 The discovery cut of the Ben Hur lode, the face of which being the discovery point is on the center line 350 ft. from the center of line 1-2, 4 ft. wide, 12 ft. face running N. 29° W., 12 ft. to mouth.
Value, \$100.
- No. 2 A cut, the face of which is on the center line 250 ft. from the center of line 1-2, 4 ft. wide, 10 ft. face running N. 29° W., 18 ft. to mouth.
Value, \$100.
- No. 3 A cut, the mouth of which bears from Cor. No. 1 Ben Hur lode, N. 67° 50' W., 525 ft. dist., 6 ft. wide, 15 ft. face, running S. 45° W., 15 ft. to face.
Value, \$120.
- No. 4 A cut, the mouth of which bears from Cor. No. 1 Ben Hur lode, N. 66° 50' W., 550 ft., 6 ft. wide, 15 ft. face, running S. 28° E., 15 ft. to face.
Value, \$120.
- No. 5 A cut, the mouth of which bears from Cor. No. 3 Ben Hur lode, S. 54° 50' E., 690 ft. dist., 25 ft. wide, 12 ft. face, running S. 29° E., 12 ft. to face.
Value, \$200.
- No. 6 A tunnel, the mouth of which bears from Cor. No. 3 Ben Hur lode, S. 59° 50' E., 750 ft. dist., 4 x 6 ft. in size, running N. 15° W., 10 ft. to breast.
Value, \$200.
- No. 7 A cut, the mouth of which bears from Cor. No. 3 Ben Hur lode, S. 54° 50' E., 640 ft. dist., 5 ft. wide, 9 ft. face, running S. 12° E., 18 ft. to face.
Value, \$100.
- No. 8 A tunnel, the portal of which bears from Cor. No. 3 Ben Hur lode, S. 55° 20' E., 560 ft. dist., 4 x 6 ft. in size, running S. 20° E., 30 ft. to point; thence N. 70° E., 10 ft. to breast.
Value, \$600.
- No. 9 A shaft, the center of which bears from Cor. No. 3, Ben Hur lode S. 60° 20' E., 520 ft. dist., 5 x 7 ft., 60 ft. deep, (timbered). At the collar of shaft is a cut 6 ft. wide, 12 ft. face running S. 10° E., 12 ft. to face.
Value, shaft and cut, \$1900.
- No. 10 A cut, the mouth of which bears from Cor. No. 3 Ben Hur lode, S. 70° 21' E., 470 ft. dist., 4 ft. wide, 12 ft. face, running N. 35° E., 15 ft. to face, from face is a tunnel 4 x 6 ft. in size running N. 10° E., 10 ft. to breast.
Value, cut and tunnel, \$300.
- No. 11 A cut, the mouth of which bears from Cor. No. 3 Ben Hur lode, S. 75° E., 460 ft. dist., 4 ft. wide, 10 ft. face running N. 5° E., 18 ft. to face.
Value, \$100.

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- No. 12 A drift, 5 x 7 ft. in size on the 800 ft. level of Mammoth Mine, Sur. No. 802. Commencing at Sta. 816 on line 3-4 Sur. No. 4342 Tornado lode, 215.08 ft. from Cor. No. 3, running N. 37° 41' W.; 30 ft. to Sta. 817; thence S. 62° 19' W.; 30 ft. to breast. From Sta. 817 running N. 37° 41' W., 140.0 ft. to breast.
Value, \$8000.
- No. 1 The discovery shaft of the Domingo lode, the center of which being the discovery point is on the center line, 200 ft. from the center of line 1-2, 5 x 6 ft., 9 ft. deep.
Value, \$100.
- No. 2 A trench, the E. end of which bears from Cor. No. 1 Domingo lode, S. 66° 09' W., 270.0 ft. dist., 4 ft. wide, 4 ft. deep, running S. 61° 30' W., 15 ft. to W. end.
Value, \$100.
- No. 3 A shaft, the center of which bears from Cor. No. 1 Domingo lode, N. 40° 30' W., 522 ft. dist., 5 x 6 ft., 10 ft. deep.
Value, \$100.
- No. 4 A shaft, the center of which bears from Cor. No. 1 Domingo lode, N. 61° 05' W., 690.0 ft. dist., 4 x 6 ft., 6 ft. deep (caved).
Value, \$60.
- No. 5 A cut, the mouth of which bears from Cor. No. 1 Domingo lode, N. 51° 20' W., 690 ft. dist., 4 ft. wide, 7 ft. face, running S. 45° W., 15 ft. to face.
Value, \$100.
- No. 6 A shaft, the center of which bears from Cor. No. 4 Domingo lode, S. 14° 21' E., 685 ft. dist., 5 x 5 ft., 9 ft. deep.
Value, \$100.
- No. 7 A shaft, the center of which bears from Cor. No. 4 Domingo lode, S. 9° E., 475 ft. dist., 5 x 5 ft., 7 ft. deep.
Value, \$100.
- No. 8 A shaft, the center of which bears from Cor. No. 4 Domingo lode, S. 6° 20' E., 440 ft. dist., 5 x 6 ft., 8 ft. deep.
Value, \$100.

OTHER IMPROVEMENTS

A road entering Domingo lode at a point on line 3-4, 360 ft. from Cor. No. 3 and extending in a S. 28° E. direction a distance of 1050 ft. and another road entering the claim at the same point and extending about S. 50° E., a distance of 500 feet, belonging to claimant herein.

Value, \$500.

OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA.

A diligent search was made for all corners of Section 27, T. 8 S., R. 16 E., including the north, south and west 1/4 corners and no evidence of same could be found or identified, except the east 1/4 section corner.

ADJOINING CLAIMS

On the northeast by the Fannie and Fannie No. 1 locations. On the southeast by Sur. No. 4342 Torpado lode and on the southwest by the Cactus Hill No. 1 and Glory No. 1 locations.

FIELD ASSISTANTS

| Name | Capacity |
|--------------|----------|
| E.H. Jenkins | Chainman |

OTHER INFORMATION

Read entering Domingo lode at a point on line 3-4 500 ft. from cor. No. 5 and extending in a N. 25. E. direction a distance of 1000 ft. and another point entering the claim at the same point and extending about 500 ft. a distance of 500 feet, belonging to claimant herein.

UNITED STATES
DEPARTMENT OF THE INTERIOR
~~GENERAL LAND OFFICE~~
Bureau of Land Management

FINAL OATH OF MINERAL SURVEYOR

I, T.N. Stevens, Mineral Surveyor,
do solemnly swear that, in pursuance of instructions received from the Office Cadastral
Engineer, at Phoenix, Arizona., dated August 19, 1949,
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
St Anthony Mining & Development Company, Ltd., and, known as the
Bertha I. Freeman
Ben Hur and Domingo Mining Claims,
situate in Old Hat Mining District,
Pinal County, Arizona., in Sections
22 and 27, Township No. 6 South, Range No. 16 East
and designated as Survey No. 4343, 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 its 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.

T. N. Stevens
(Mineral Surveyor)

Subscribed and sworn to by the said T. N. Stevens

Mineral Surveyor, before me John G. Shanagan, Notary

Public - Pima County, Ariz. this 9th

day of October, 1949

John G. Shanagan

Commission expires July 1, 1951

**CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF
MINING CLAIM**

UNITED STATES
DEPARTMENT OF THE INTERIOR

~~GENERAL LAND OFFICE~~ BUREAU OF LAND MANAGEMENT
~~PUBLIC SURVEY OFFICE~~ Division of Engineering

At Albuquerque, New Mexico

February 16, 19 50

I, Office Cadastral Engineer at Albuquerque, New Mexico

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the Mining Claim of St. Anthony Mining & Development Company, Ltd., and
Bertha I. Freeman

....., known as the
Ben Hur and Domingo

situate in Old Hat mining district,

Pinal Arizona

in Sections 22 and 27, Township No. 8 South, Range No. 16 East

G. & S. R. M., Ariz designated as Survey No. 4343

executed by T. N. Stevens, Mineral

Surveyor, August 30 to September 9, 19 49 under my instructions dated

August 19, 19 49, 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

included and made a part of these field notes.

Geoff Well
.....
Office Cadastral Engineer.

