

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4448

Arizona Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

Alvis F. Denison

Known As The

Little Pine #1, #2 and #3 lodes

Mogollon Rim Mining District,

Coconino County, Arizona

Sections 13 & 24, 18 & 19 Township 11 North, Ranges 14 and 15 East

Surveyed under order dated April 4, 1958

by Richard L. Merritt
Mineral Surveyor.

Claim located November 24, 1950

Survey commenced June 3, 1958

Survey completed June 30, 1958

Address of claimant Joseph H. Morgan, Atty, 322 Luhrs Bldg.
Phoenix, Arizona

DATES OF AMENDED LOCATIONS

Survey No. 4448

~~XXXXXX~~
Feet

This survey was made with a Gurley transit No. 50962, with horizontal limb 6.25 ins. diam., having two double opposite verniers, and full vertical circle 5 ins. diam., having one double vernier; the verniers read to one minute of arc. The eyepiece is equipped with a colored shade set in the dust shutter for making 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 determined by the following observations:

June 5, 1958, at Cor. No. 1 of the Little Pine #3 lode, in the latitude $34^{\circ} 19' 30''$ N. and longitude $110^{\circ} 48' W.$, I made 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, observing opposite limbs of the sun and reading the horizontal angle from a reference point about 600 ft. southwest to the left to the sun,

Mean time of observations,
105th meridian standard time 9h 15m a.m.

Declination of sun at mean time of observation $22^{\circ} 32' 25''$ N.

Mean observed vertical angle to sun's center $51^{\circ} 16' 20''$

Mean horizontal angle from reference point
to sun's center $143^{\circ} 23' L.$

True bearing of reference point on line 4-1,
extended Little Pine #3 lode S. $59^{\circ} 39' 40''$ W.

The lines were measured with a Lufkin steel tape, 300 ft. in length, graduated every foot, the first and last foot being graduated to tenths and hundredths. The tape was compared with a Lufkin standard tape at the beginning of the survey and found to be 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 $15^{\circ} E.$

LITTLE PINE #1 LODE

Beginning at Cor. No. 1 of the Little Pine #1 lode, identical with Cor. No. 4, Sur. 4361, Hillcrest No. 14 lode, a sandstone, 8x6 ins., 14 ins. above the ground, mkd. X H14-4-4361. I mark the stone LP 1-1-4448, from which

The south $\frac{1}{2}$ cor. of sec. 18, T. 11 N., R. 15 E., Gila and Salt River Meridian, bears N. $89^{\circ} 27' 50'' E.$, 865.55 ft. dist., an iron post with brass cap, 18 ins. above ground; mkd. and witnessed as described in the official record.

A pine, 30 ins. diam., bears S. $7^{\circ} 18' E.$, 30.0 ft. dist., mkd. X LP 1-1-4448 BT.

Thence S. $59^{\circ} 40' W.$

300.0 Lode line, discovery point bears N. $30^{\circ} 20' W.$, 1300.0 ft. dist.

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Elevations Feet	
600.0	<p>Cor. No. 2</p> <p>Set a sandstone, 24x14x4 ins., 14 ins. in the ground, mkd. X LP 1-2-4448, from which</p> <p>A pine, 16 ins. diam., bears S. 85° 21' E., 47.25 ft. dist., mkd. X LP 1-2-4448 BT.</p> <p>Thence N. 30° 20' W.</p>
800.0	<p>Cor. No. 4, Little Pine #2 lode of this survey.</p>
1500.0	<p>Cor. No. 3, on line 3-4 of Little Pine #2 lode of this survey, identical with Cor. No. 3, Sur. No. 4360, Hillcrest No. 5 lode, a sandstone, 12x9 ins., 14 ins. above ground, mkd. X H5-3-4360. I mark the stone LP 1-3-4448, from which</p> <p>A pine, 30 ins. diam., bears S. 66° 10' W., 16.68 ft. dist., mkd. X LP 1-3-4448 BT.</p> <p>Thence N. 59° 40' E.</p>
300.0	<p>Lode line, discovery point bears S. 30° 20' E., 200.0 ft. dist.</p>
600.0	<p>Cor. No. 4, identical with Cor. No. 2, Sur. No. 4360, Hillcrest No. 5 lode, a sandstone, 10x4 ins., 15 ins. above the ground, mkd. X H5-2-4360. I mark the stone LP 1-4-4448, from which</p> <p>A pine, 24 ins. diam., bears S. 25° 14' W., 31.1 ft. dist., mkd. X LP 1-4-4448 BT.</p> <p>Thence S. 30° 20' E.</p>
1500.0	<p>Cor. No. 1 and place of beginning.</p>
<p>LITTLE PINE #2 LODE</p>	
<p>At Cor. No. 1 of Little Pine #2 lode, identical with Cor. No. 4 of Little Pine #3 lode of this survey.</p>	
<p>Set a sandstone, 24x14x4 ins., 13 ins. in the ground, mkd. X LP2-1-LP3-4-4448, from which</p>	
<p>The common cor. of secs. 18 and 19, T. 11 N., R. 15 E., and secs. 13 and 24, T. 11 N., R. 14 E., Gila and Salt River Meridian, bears S. 77° 26' W., 324.47 ft. dist., an iron post, 2 ins. diam., 12 ins. above ground, mkd. and witnessed as described in the official record.</p>	
<p>A pine, 18 ins. diam., bears N. 45° 09' E., 13.05 ft. dist., mkd. X LP2-1-LP3-4-4448 BT.</p> <p>Thence N. 30° 20' W.</p>	
1500.0	<p>Cor. No. 2, identical with Cor. No. 3 of Little Pine #3 lode of this survey, and with Cor. No. 2, Sur. No. 4360, Hillcrest No. 2 lode and with Cor. No. 3, Sur. No. 4360, Hillcrest No. 1 lode, a sandstone, 10x5 ins., 12 ins. above ground, mkd. X H2-2-H1-3-4360. I mark the stone LP2-2-LP3-3-4448, from which</p> <p>A pine, 18 ins. diam., bears S. 80° 42' E., 31.06 ft. dist., mkd. X LP2-2-LP3-3-4448 BT.</p>

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CHAINS Feet	
	Thence N. 59° 40' E.
300.0	Lode line, discovery point bears S. 30° 20' E., 1340.0 ft. dist.
600.00	Cor. No. 3, identical with Cor. No. 2, Sur. No. 4360, Hillcrest No. 1 lode, a sandstone, 16x4 ins., 14 ins. above ground, mkd. X H1-2-4360. I mark the stone LP2-3-4448, from which A pine, 18 ins. diam., bears N. 8° 00' W., 28.5 ft. dist., mkd. X LP-2-3-4448 BT.
	Thence S. 30° 20' E.
800.0	Cor. No. 3 of Little Pine #1 lode of this survey, identical with Cor. No. 3, Sur. No. 4360, Hillcrest No. 5 lode.
1500.0	Cor. No. 4 on line 2-3 of Little Pine #1 lode of this survey.
	Set a sandstone, 24x12x5 ins., 13 ins. in the ground, mkd. X LP2-4-4448, from which A pine, 30 ins. diam., bears S. 49° 55' E., 21.74 ft. dist., mkd. X LP2-4-4448 BT.
	Thence S. 59° 40' W.
300.0	Lode line, discovery cut bears N. 30° 20' W., 160.0 ft. dist.
600.0	Cor. No. 1 and place of beginning.
	LITTLE PINE #3 LODE
	At Cor. No. 1 of Little Pine #3 lode. Set a sandstone, 24x12x3 ins., 14 ins. in the ground, mkd. X LP3-1-4448, from which The common cor. of secs. 18 and 19, T. 11 N., R. 15 E. and secs. 13 and 24, T. 11 N., R. 14 E., Gila and Salt River Meridian, bears N. 40° 46' E., 306.67 ft. dist. A pine, 22 ins. diam., bears N. 81° 35' W., 12.22 ft. dist., mkd. X LP3-1-4448 BT.
	Thence N. 30° 20' W.
728.55	Cor. No. 3, Sur. No. 4360, Hillcrest No. 9 lode.
1328.55	Cor. No. 2, Sur. No. 4360, Hillcrest No. 9 lode, identical with cor. No. 1, Sur. No. 4360, Hillcrest No. 21 lode.
1500.0	Cor. No. 2, identical with Cor. No. 3, Sur. No. 4360, Hillcrest No. 2 lode, on line 4-1 of Sur. No. 4360, Hillcrest No. 21 lode, a sandstone, 12x6 ins., 8 ins. above ground, mkd. X H2-3-4360. I mark the stone LP3-2-4448, from which A pine, 20 ins. diam., bears S. 15° 42' W., 19.88 ft. dist., mkd. X LP3-2-4448 BT.
	Thence N. 59° 40' E.
300.0	Lode line, discovery point bears S. 30° 20' E., 1175.0 ft. dist.

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600.0
Feet

Cor. No. 3, identical with Cor. No. 2, Little Pine #2 lode of this survey, and with Cor. No. 3, Sur. No. 4360, Hillcrest No. 1 lode, and with Cor. No. 2, Sur. No. 4360, Hillcrest No. 2 lode.

Thence S. 30° 20' E.

1500.0

Cor. No. 4, identical with Cor. No. 1, Little Pine #2 lode of this survey.

Thence S. 59° 40' W.

300.0

Lode line, discovery point bears N. 30° 20' W., 325.0 ft. dist.

600.0

Cor. No. 1 and place of beginning.

AREAS

Acres

Total area, Little Pine #1 lode

20.661

Total area, Little Pine #2 lode

20.661

Total area, Little Pine #3 lode

20.661

LOCATION

This survey is located in the SE¼ of sec. 13, the NE¼ of sec. 24, T. 11 N., R. 14 E., and the SW¼ of sec. 18, the NW¼ of sec. 19, T. 11 N., R. 15 E., Gila and Salt River Meridian, within the Sitgreaves National Forest.

The survey of all lodes of this survey are identical with the location notices as marked on the ground. The location monuments, all mounds of stone, 3 ft. base by 3 ft. high, were rebuilt alongside at the four corners of each claim.

EXPENDITURES

The improvements and 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 are as follows:

No. 1

The discovery point of the Little Pine #1 lode is on the lode line, 200.0 ft. S. 30° 20' E., from the center of line 3-4.

No Value

No. 2

A trench, the north end of which bears S. 19° 30' W., 360.0 ft. from Cor. No. 4, Little Pine #1 lode, 13 ft. wide, 7 ft. deep, running S. 10° W., 84.0 ft. dist.

Value \$600

No. 3

A trench, the north end of which bears N. 86° E., 260.0 ft. from Cor. No. 3, Little Pine #1 lode, 12 ft. wide, 1 ft. deep, running S. 8° W., 88.0 ft.

Value \$100

No. 4

A trench, the west end of which bears S. 51° 50' E., 210.0 ft. from Cor. No. 3, Little Pine #1 lode, 12 ft. wide, 2 ft. deep, running N. 65° E., 90 ft.

Value \$225

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Corners

- No. 5 A trench, the west end of which bears S. $43^{\circ} 25'$ E., 420.0 ft. from Cor. No. 3, Little Pine #1 lode, 12 ft. wide, 1 ft. deep, running S. 65° E., 100 ft.
Value \$100
- No. 1 The discovery trench of the Little Pine #2 lode, the center of which being the discovery point is on the lode line, 160.0 ft. N. $30^{\circ} 20'$ W. from the center of line 4-1, 12 ft. wide, 6 ft. deep, running N. 20° E., 41.0 ft. and S. 20° W., 41.0 ft. from the lode line.
Value \$500
- No. 2 A trench, the west end of which bears N. $12^{\circ} 45'$ E., 760.0 ft. from Cor. No. 1, Little Pine #2 lode, 12 ft. wide, 2 ft. deep, running E., 80 ft.
Value \$200
- No. 1 The discovery point of the Little Pine #3 lode is on the lode line, 325.0 ft. N. $30^{\circ} 20'$ W. from the center of line 4-1.
No Value
- No. 2 A trench, the east end of which bears N. $69^{\circ} 25'$ W., 380.0 ft. from Cor. No. 4, Little Pine #3 lode, 14 ft. wide, 4 ft. deep, running S. 72° W., 80 ft.
Value \$400
- No. 3 A trench, the south end of which bears N. $54^{\circ} 15'$ E., 275.0 ft. from Cor. No. 1 of the Little Pine #3 lode, 12 ft. wide, 3 ft. deep, running N. 43° E., 75 ft.
Value \$250
- No. 4 A trench, the west end of which bears N. $81^{\circ} 22'$ E., 312.0 ft. from Cor. No. 2, Little Pine #3 lode, 12 ft. wide, 2 ft. deep, running N. 70° E., 54 ft.
Value \$125
- No. 5 A trench, the east end of which bears S. $35^{\circ} 30'$ W., 190.0 ft. from Cor. No. 3, Little Pine #3 lode, 12 ft. wide, 2 ft. deep, running N. 85° W., 70 ft.
Value \$150

OTHER IMPROVEMENTS

None

OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

Survey No. 4360, Hillcrest No. 9 lode: Cor. Nos. 2 and 3 are sandstones firmly set and properly marked. The tie from Cor. No. 1, Sur. No. 4360, Hillcrest No. 11 lode to the SW. cor. of sec. 18, T. 11 N., R. 15 E., was found to be N. $62^{\circ} 30'$ E., 590.86 ft. instead of N. $62^{\circ} 28' 50''$ E., 591.87 ft. as reported. The sec. line from the SW. cor. of sec. 18, T. 11 N., R. 15 E., to the $\frac{1}{4}$ sec. cor. on the south line of sec. 18, was found to be S. $89^{\circ} 53'$ E., 2622.85 ft. instead of E., 2628.12 ft. as shown on the official record.

FIELD ASSISTANTS

J. B. Sarvis

Chainman

Keith Bunn

Chainman

Edward Bowers

Chainman

Chains	Notes
A branch, the west end of which bears N. 30° E., 100.0 ft. from Cor. No. 1, little line 12 lobe, 12 ft. wide, 1 ft. deep, running	No. 5
The discovery point of the little line 12 lobe, the center of which being the discovery point is on the lobe line, 100.0 ft. N. 30° E. W. from the center of line 4-1, 12 ft. wide, 1 ft. deep, running N. 30° E., 100.0 ft. and E. 10° W., 51.0 ft. from the lobe line.	No. 1
A branch, the west end of which bears N. 12° E., 100.0 ft. from Cor. No. 1, little line 12 lobe, 12 ft. wide, 1 ft. deep, running	No. 2
The discovery point of the little line 12 lobe is on the lobe line, 100.0 ft. N. 30° E. W. from the center of line 4-1.	No. 1
A branch, the east end of which bears N. 30° E., 100.0 ft. from Cor. No. 1, little line 12 lobe, 12 ft. wide, 1 ft. deep, running	No. 2
A branch, the south end of which bears N. 30° E., 100.0 ft. from Cor. No. 1, little line 12 lobe, 12 ft. wide, 1 ft. deep, running	No. 3
A branch, the west end of which bears N. 12° E., 100.0 ft. from Cor. No. 1, little line 12 lobe, 12 ft. wide, 1 ft. deep, running	No. 4
A branch, the east end of which bears S. 30° E., 100.0 ft. from Cor. No. 1, little line 12 lobe, 12 ft. wide, 1 ft. deep, running	No. 5
OTHER IMPROVEMENTS	
None	
OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA	
<p>Survey No. 4448, Block No. 1 lobe; Cor. Nos. 1 and 2 are abandoned, many not and properly marked. The one from Cor. No. 1, Block No. 1 lobe, was found to be N. 30° E., 100.0 ft. from the center of line 4-1, as reported. The second corner of the block, at the T. 12 W., R. 12 E., to the 1/4 sec. of the 36 sec. of sec. 16, was found to be S. 30° E., 100.0 ft. from the center of line 4-1, as shown on the original record.</p>	
FIELD ASSISTANTS	
Cushman	Cushman
Cushman	Cushman
Cushman	Cushman

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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CERTIFICATE OF SURVEYOR

June 30th, 19 58

I, Richard L. Merritt

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

Office of Cadastral Engineer, at Phoenix, Arizona

dated April 4th, 1958, I have faithfully and correctly executed the survey of

the mining claim of Alvis F. Denison

known as the Little Pine #s 1, 2, and 3 lodes

(Lode, placer, or mill site) in secs. 13 and 24

situate in Mogollon Rim Mining District in secs. 18 and 19

11 N. 14 E.

T. 11 N., R. 15 E., G. and S. R. Meridian, Arizona, and

(State)

designated as Survey No. 4448, 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 his 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)

Richard L. Merritt
(Mineral Surveyor)

CERTIFICATE OF APPROVAL

Bureau of Land Management--Survey Office
(Office)

Phoenix, Arizona February 20, 1959
(Place) (Date)

The foregoing field notes of mineral survey No. 4448, in Secs. 13 and 24
Secs. 18 and 19

T. 11 N. 14 E., R. 15 E., G&SR Meridian,

Arizona, executed by Richard L. Merritt, Mineral Surveyor,

(State)

under order dated April 4, 1958, 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. 4448 is a true copy of the original field notes.

(Title)

