

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4526 A&B

Arizona Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

JOSEPH W. FORSYTHE

Known As The

ARIZONA, MACEDONIA & ATHENS LODES and MILL SITE

Santa Cruz & Patagonia Mining District,

Santa Cruz County, Arizona

Unsurveyed

Sections 30 and 31, Township 23 South, Range 16 East, G&SR Mer.

Surveyed under order dated March 29, 1960

by Robert Lenon
Mineral Surveyor.

Arizona lode --January 15, 1890
Macedonia lode --August 10, 1899
Athens lode --August 1, 1949
Claim located Mill Site --December 9, 1915

Survey commenced June 24, 1960

Survey completed July 1, 1960

Address of claimant 920 Forsythe Road
Carnegie, Pennsylvania

DATES OF AMENDED LOCATIONS

None

**OBJECT
Feet**

This survey was made with a Bausch and Lomb Precise Transit No. 9259, with horizontal limb $5\frac{1}{2}$ ins. diam., having two single opposite verniers, and full vertical circle $4\frac{1}{4}$ ins. diam., having two double opposite verniers, all verniers reading to one minute of arc; the eyepiece is equipped with a colored glass 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 double horizontal angles referred to the meridian determined by the following observations:

June 24, 1960, at Cor. No. 2, Macedonia lode, in latitude $31^{\circ} 23' 30''$ N., and longitude $110^{\circ} 45'$ W., I make a series of four altitude observations upon the sun for azimuth at approximately equal time intervals, two each with the telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal angles from Cor. No. 1, Macedonia lode, 600 ft. NW'ly., clockwise to the sun.

(1) (2)

Mean time of observation,
105th meridian standard time: $8^h 32^m$ a.m. $8^h 37^m$ a.m.
Declination of sun at mean
time of observation: $23^{\circ} 49.7'$ N.
Mean observed vertical angles
to sun's center: $38^{\circ} 14' 30''$ $38^{\circ} 40'$
Mean horizontal angles from ref-
erence point to sun's center: $59^{\circ} 43' 30''$ $159^{\circ} 57' 15''$
True bearing to reference point: N. $76^{\circ} 43'$ W.

The lines were measured with a Lufkin steel tape, 500 ft. in length, graduated every foot, with the end feet graduated to tenths and hundredths; and a Chicago steel tape, 300 ft. in length, graduated every foot, with the end feet graduated to tenths; both tapes were compared with a Lufkin standard at the time of beginning the survey and found correct.

All lines and connections of this survey were run by direct methods where the lines are accessible; the inaccessible lines were run by traverse methods, as shown by the traverse sheets herewith submitted; the tie to the Mineral Monument was triangulated.

The magnetic declination observed at each corner of the survey gave a uniform value of $12^{\circ} 30'$ E.

SURVEY NO. 4526 A

ATHENS LODE

At Cor. No. 1 of the Athens lode, identical with Cor. No. 1 of the Arizona lode of this survey.

Found an iron pipe, 2 ins. diam., 2 ft. above ground, with lead cap, on which I mkd. At-1-Arizona-1-4526A; from which

U.S.M.M. No. 1 shown on the plat of the Plomoso Mining claim, Lot No. 37, general number 243, bears S. $72^{\circ} 54' 43''$ W., 9037.22 ft. dist.; an iron pipe, $1\frac{1}{2}$ ins. diam. by a large boulder, surrounded by a large stone mound.

Feet	
	Thence N. 23° 45' E.
565.00	Gulch, 10 ft. wide, course west.
1450.00	Gulch, 50 ft. wide, course S. 80° W.
1500.00	Cor. No. 2.
	Set a galvanized iron pipe, 30 ins. long, 1½ ins. diam., 24 ins. in the ground, with brass cap mkd. AT-2-4526A.
	Thence S. 76° 43' E.
300.00	Lode line; discovery point bears S. 23° 45' W., 1490 ft. dist.
1441.00	Gulch, 25 ft. wide, course S. 55° W.
600.00	Cor. No. 3.
	Set a galvanized iron pipe, 30 ins. long, 1½ ins. diam., 24 ins. in the ground, with brass cap mkd. AT-3-4526A.
	Thence S. 23° 45' W.
189.00	Road bears N. 45° E. and S. 45° W.
1500.00	Cor. No. 4, identical with Cor. No. 2 of the Arizona lode of this survey.
	Found an iron pipe, 2 ins. diam., 2 ft. above ground, surrounded by a mound of stone, with lead cap, on which I mkd. AT-4-Arizona-2-4526A.
	Thence N. 76° 43' W.
190.00	Road, 10 ft. wide, bears N. 25° W. and S. 25° E.
300.00	Lode line; discovery point bears N. 23° 45' E., 10 ft. dist.
	Found an iron pipe, 2 ins. diam., 2 ft. above ground, surrounded by a mound of stone, with lead cap.
340.00	Gulch, 5 ft. wide, course S. 12° W.
600.00	Cor. No. 1 and place of beginning.
ARIZONA LODGE	
	Beginning at Cor. No. 1 of the Arizona lode, identical with Cor. No. 1 of the Athens lode of this survey, previously described.
	Thence S. 76° 43' E.
260.00	Gulch, 5 ft. wide, course S. 12° W.
300.00	Discovery point & lode line.
	Found an iron pipe, 2 ins. diam., 2 ft. above ground, surrounded by a mound of stone, with lead cap.
410.00	Road, 10 ft. wide, bears N. 25° W. and S. 25° E.

Feet	
600.00	Cor. No. 2, identical with Cor. No. 4 of the Athens lode of this survey, previously described.
	Thence S. 11° 44' W.
200.00	Road, 10 ft. wide, bears S. 68° E. and N. 68° W.
428.00	Road, 10 ft. wide, bears N. 87° E. and S. 87° W.
895.00	Gulch, 10 ft. wide, course S. 14° E.
1360.00	Gulch, 5 ft. wide, course S. 36° E.
1490.00	Gulch, 2 ft. wide, course S. 45° E.
1498.61	Cor. No. 3, falling on line 1-2 of the Macedonia lode of this survey.
	Found an iron pipe, 2 ins. diam., 2 ft. above ground, surrounded by a mound of stone, with lead cap, on which I mkd. ARIZONA-3-M-1-2-4526A.
	Thence N. 76° 43' W.
145.00	Gulch, 2 ft. wide, course S. 45° E.
291.69	Found an iron pipe, 2 ins. diam., 2 ft. above ground, surrounded by a mound of stone, with lead cap mkd. END CTR ARIZONA.
292.59	Lode line; discovery point bears N. 11° 27' E., 1498.83 ft. dist.
331.00	Road, 10 ft. wide, bears N. 20° W. and S. 20° E.
403.65	Cor. No. 1 of the Macedonia lode of this survey.
592.59	Cor. No. 4. Found an iron pipe, 2 ins. diam., 2 ft. above ground, surrounded by a mound of stone, with lead cap, on which I mkd. ARIZONA-4-4526A.
	Thence N. 11° 27' E.
590.00	Gulch, 15 ft. wide, course S. 57° W.
1498.83	Cor. No. 1 and place of beginning.
MACEDONIA LODE	
Beginning at Cor. No. 1 of the Macedonia lode, falling on line 3-4 of the Arizona lode of this survey, at a point from which Cor. No. 4 of the Arizona lode bears N. 76° 43' W., 188.94 ft. dist.	
Set a galvanized iron pipe, 30 ins. long, 1½ ins. diam., 24 ins. in the ground, with a mound of stone alongside, with brass cap mkd. M-1-AR-1-2-4526A; from which	
U.S.M.M. No. 1 bears S. 82° 21' 45" W., 8600.92 ft. dist., previously described.	
Thence S. 76° 43' E.	

SURVEY NO. 4526 A&B

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Feet	
72.65	Road, 10 ft. wide, bears S. 20° E. and N. 20° W.
258.65	Gulch, 2 ft. wide, course S. 45° E.
300.00	Lode line; discovery point bears S. 33° 29' W., 500 ft. dist.
403.65	Cor. No. 3 of the Arizona lode of this survey, previously described.
428.10	Gulch, 2 ft. wide, course S. 45° E.
600.00	<p>Cor. No. 2.</p> <p>Set a galvanized iron pipe, 30 ins. long, 1½ ins. diam., 2¼ ins. in the ground, with a mound of stone alongside, with brass cap mkd. M-2-4526A.</p> <p>Thence S. 33° 29' W.</p>
85.00	Gulch, 6 ft. wide, course S. 45° E.
190.00	Road, 10 ft. wide, bears S. 73° E. and N. 73° W.
315.00	Gulch, 3 ft. wide, course S. 35° E.
355.00	Gulch, 3 ft. wide, course S. 20° E.
612.00	Gulch, 6 ft. wide, course East.
1260.00	Gulch, 5 ft. wide, course East.
1485.00	<p>Cor. No. 3.</p> <p>Set a galvanized iron pipe, 30 ins.^{long}, 1½ ins. diam., 2¼ ins. in the ground surrounded by a mound of stone with brass cap mkd., M-3-4526A.</p> <p>Thence N. 76° 43' W.</p>
300.00	Lode line; discovery point bears N. 33° 29' E., 985 ft. dist.
600.00	<p>Cor. No. 4.</p> <p>Set a galvanized iron pipe, with a mound of stone alongside, 30 ins. long, 1½ ins. diam., 2¼ ins. in the ground, with brass cap mkd. M-4-4526A.</p> <p>Thence N. 33° 29' E.</p>
1485.00	Cor. No. 1 and place of beginning.
SURVEY NO. 4526 B	
MILL SITE	
Beginning at Corner No. 1. of the Mill Site.	
<p>Set a galvanized iron pipe, with a mound of stone alongside, 2¼ ins. long, 2 ins. diam., 18 ins. in the ground, with brass cap mkd. 1-MS-4526B; from which</p>	
<p>U.S.M.M. No. 1 bears N. 87° 08' 22" W., 8970.20 ft. dist., previously described.</p>	
<p>An oak tree, 1¼ ins. diam. bears S. 79° 50' E., 60.0 ft. dist., mkd. X-BO-4526B.</p>	

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	<p>A location cor. of the mill site bears S. 65° 49' W., 77 ft. dist. Thence N. 44° 19' 30" E.</p>	
305.00	Gulch, 60 ft. wide, course South to this point and East below this point.	
441.00	Gulch, 10 ft. wide, course S. 45° W.	
466.00	Cor. No. 2 of the Mill Site; this cor. falls in a gulch where a permanent monument cannot be established; from which	
	<p>Cor. No. 2 of the Macedonia lode of this survey bears N. 8° 56' 14" W., 1133.30 ft. dist. A location cor. of the Mill Site bears N. 50° 56' W., 80 ft. dist. Thence S. 45° 40' 30" E.</p>	
5.00	Gulch, 10 ft. wide, course S. 45° W.	
20.00	Witness cor. to Cor. No. 2. Set a galvanized iron pipe, with a mound of stone alongside, 24 ins. long, 1½ ins. diam., 18 ins. in the ground, with brass cap mkd. WC-20-2-MS-4526B.	
43.30	An oak tree, 18 ins. diam., with a blaze 4 ft. up (line tree).	
141.00	Road, 10 ft. wide, bears N. 40° E. and S. 40° W.	
130.00	Providence Canyon, 20 ft. wide, course S. 35° W.	
466.00	Cor. No. 3 of the Mill Site. Set a galvanized iron pipe, with a mound of stone alongside, 24 ins. long, 2 ins. diam., 18 ins. in the ground, with brass cap mkd. 3-MS-4526B.	
	Thence S. 44° 19' 30" W.	
466.00	Cor. No. 4 of the Mill Site. Set a galvanized iron pipe, with a mound of stone alongside, 24 ins. long, 2 ins. diam., 18 ins. in the ground, with brass cap mkd. 4-MS-4526B.	
	Thence N. 45° 40' 30" W.	
210.00	Providence Canyon, 25 ft. wide, course S. 45° W.	
466.0	Cor. No. 1 of the Mill Site and place of beginning.	
SURVEY NO. 4526 A&B		
AREAS		Acres
Total area, Athens lode		20.317
Total area, Arizona lode		20.507
Total area, Macedonia lode		19.197
Total area, Mill Site		4.985

~~CHART~~

LOCATION

This survey is located in the NW $\frac{1}{4}$ and NE $\frac{1}{4}$ of Sec. 31 and the SW $\frac{1}{4}$ and SE $\frac{1}{4}$ of Sec. 30 in unsurveyed T. 23 S., R. 16 E., G&SR Mer., Arizona.

The survey of the Athens, Arizona and Macedonia lodes is identical with the respective locations as marked on the ground. The survey of the Mill Site is wholly within the location as marked on the ground; Mill Site Cors. Nos. 3 and 4 are identical with corners of the location; Mill Site Cors. Nos. 1 & 2 differ to the extent previously shown.

EXPENDITURES

- No. 1 The discovery point of the Athens lode is on the lode line 10 ft. from the center of line 4-1.
No value.
- No. 2 A shaft, 20 ft. diam., 8 ft. deep, the center of which bears N. 79° E., 350 ft. from Cor. No. 1, Athens lode.
Value, \$660.
- No. 3 An adit, 6 x 6 ft. in size, the portal of which bears N. 33° E., 585 ft. from Cor. No. 1, Athens lode, total of 490 ft. of drift reported, the size of the dump substantiates this.
Value, \$8820.
- No. 4 A cut, 4 ft. wide, the face of which bears S. 6° W., 930 ft. from Cor. No. 2, Athens lode, runs North, 12 ft. to 6-foot face.
Value, \$72.
- No. 5 A shaft, 5 x 6 ft., 5 ft. deep, the center of which bears S. 5° W., 825 ft. from Cor. No. 2, Athens lode.
Value, \$75.
- No. 6 An adit, 4 x 6 ft. in size, the portal of which bears S. 8° W., 745 ft. from Cor. No. 2, Athens lode, runs S. 75° W., 40 ft. to breast.
Value, \$480.
- No. 7 A shaft, 6 x 6 ft., 60 ft. deep, the center of which bears S. 2° W., 750 ft. from Cor. No. 2, Athens lode.
Value, \$1080.
- No. 8 A cut, 7 ft. wide, the face of which bears S. 2° E., 640 ft. from Cor. No. 2, Athens lode, runs N. 20° E., 15 ft. to 10-foot face.
Value, \$260.
- No. 9 An adit, 5 x 7 ft. in size, the portal of which bears S. 51° E., 312 ft. from Cor. No. 2, Athens lode, runs S. 30° E., 115 ft. to breast.
Value, \$2000.
- No. 10 An adit, 5 x 7 ft. in size, the portal of which bears S. 55° E., 300 ft. from Cor. No. 2, Athens lode, runs N. 24° E., 50 ft. to breast.
Value, \$875.
- No. 11 A cut, 5 ft. wide, the face of which bears S. 57° E., 310 ft. from Cor. No. 2, Athens lode, runs N. 26° E., 3 ft. to 4-foot face.
Value, \$15.

SCHEDULE

- No. 1 The discovery point of the Arizona lode is on line 1-2, 300 ft. from Cor. No. 1.
No value.
- No. 2 An adit, 4 x 6 ft. in size, the portal of which bears S. 39° E., 345 ft. from Cor. No. 1, Arizona lode, runs N. 40° E., 300 ft. to breast.
Value, \$3600.
- No. 3 An adit, 4 x 6 ft. in size, the portal of which bears S. 21° E., 440 ft. from Cor. No. 1, Arizona lode, runs N. 40° E., 125 ft. to breast.
Value, \$1500.
- No. 4 An inclined shaft, 10 x 10 ft., 80 ft. deep, trending S. 75° E., and dipping 44° E., the portal of which bears S. 22° E., 495 ft. from Cor. No. 1, Arizona lode.
Value, \$4000.
- No. 5 An adit, 4 x 6 ft. in size, the portal of which bears N. 20° E., 755 ft. from Cor. No. 4, Arizona lode, total of 830 ft. of drift reported, and substantiated by the size of the dump.
Value, \$19,900.
- No. 6 A shaft, 8 x 8 ft., 10 ft. deep, the center of which bears N. 37° E., 630 ft. from Cor. No. 4, Arizona lode.
Value, \$360.
- No. 7 An adit, 4 x 6 ft. in size, the portal of which bears N. 80° E., 325 ft. from Cor. No. 4, Arizona lode, runs N. 20° E., 100 ft. to breast.
Value, \$1200.
- No. 8 A shaft, 8 x 12 ft., 10 ft. deep, the center of which bears S. 84° E., 385 ft. from Cor. No. 4, Arizona lode.
Value, \$480.
- No. 1 The discovery point of the Macedonia lode is on the lode line 500 ft. from the center of line 1-2.
No value.
- No. 2 An adit, 5 x 6 ft., the portal of which bears S. 58° W., 670 ft. from Cor. No. 2, Macedonia lode, runs N. 28° E., 70 ft. to breast.
Value, \$1050.
- No. 3 A shaft, 8 x 8 ft., 3 ft. deep, the center of which bears S. 58° W., 635 ft. from Cor. No. 2, Macedonia lode.
Value, \$100.
- No. 4 A shaft, 9 x 6 ft., 70 ft. deep, the center of which bears N. 8° E., 410 ft. from Cor. No. 3, Macedonia lode.
Value, \$1890.
- No. 5 A shaft, 8 x 8 ft., 20 ft. deep, the center of which bears N. 4° E., 420 ft. from Cor. No. 3, Macedonia lode.
Value, \$640.
- No. 6 A shaft, 5 x 5 ft., 40 ft. deep, the center of which bears N. 12° W., 380 ft. from Cor. No. 3, Macedonia lode.
Value, \$500.
- No. 7 A shaft, 6 x 6 ft., 5 ft. deep, the center of which bears N. 80° E., 410 ft. from Cor. No. 4, Macedonia lode.
Value, \$90.
- No. 8 A shaft, 5 x 12 ft., 4 ft. deep, the center of which bears N. 81° E., 365 ft. from Cor. No. 4, Macedonia lode.
Value, \$90.

WELLS

- No. 9 A shaft, 4 x 4 ft., 5 ft. deep, the center of which bears N. 75° E., 350 ft. from Cor. No. 4, Macedonia lode.
Value, \$40.
- No. 10 A shaft, 6 x 6 ft., 20 ft. deep, the center of which bears N. 87° E., 290 ft. from Cor. No. 4, Macedonia lode.
Value, \$360.
- No. 11 A well, 6 x 6 ft., 25 ft. deep, the center of which bears N. 29° 30' W., 225 ft. from the S. cor. of the Mill Site.
Value, \$450.

OTHER IMPROVEMENTS

None

OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

The cor. of Secs. 1, 2, 35 and 36 on the south boundary of T. 23 S., R. 15 E., G&SR Mer., is a granite stone, set, marked and witnessed as described in the official record, U.S.M.M. No. 1 bears N. 18° 38' W., 5935 ft. dist.

FIELD ASSISTANTS

Name

Capacity

- James A. Yanez Instrumentman
- Frank M. Vasquez Chainman
- Joe D. Alvarez Chainman
- Albert Maldonado Flagman
- Carlos Matrecito Axeman

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

August 11, 1960

I, Robert Lenon

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

Office Cadastral Engineer, at Phoenix, Arizona

dated March 29, 1960, I have faithfully and correctly executed the survey of

the mining claim of Joseph W. Forsythe

known as the Arizona, Macedonia and Athens lodes and Mill Site

(Lode, placer, or mill site)

situate in Sections 30 and 31, Santa Cruz and Patagonia Mining Districts, in unsurveyed

T. 23 South, R. 16 East, Gila & Salt River Meridian, Arizona, and

(State)

designated as Survey No. 4526 A&B, 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

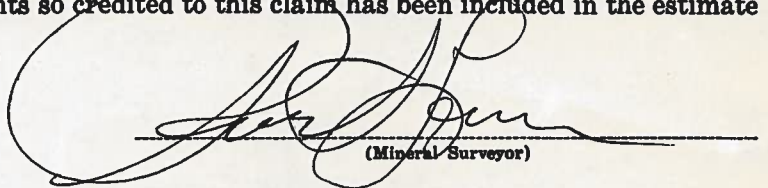
upon or for the benefit of the lode and mill site location(s) embraced in the said mining claim by

(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.

Patagonia, Arizona

(Place)


(Mineral Surveyor)

CERTIFICATE OF APPROVAL

Bureau of Land Management, Survey Office

(Office)

Phoenix, Arizona December 7, 1960

(Place)

(Date)

The foregoing field notes of mineral survey No. 4526 A&B, in Secs. 30 and 31

Arizona, T. 23 South, R. 16 East, G. & S.R. Meridian,

(State)

executed by Robert Lenon, Mineral Surveyor,

under order dated March 29, 1960, 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
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.

(Title)

