

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

MINERAL SURVEY NO. 4298

Arizona Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

Kenneth Aitken

Known As The

Forest, and Forlorn Hope lodes
Hassayampa Mining District,

Yavapai County, Arizona

Section 1 & 2, Township 12 N, Range 2 W, unsurveyed-

Surveyed under instructions dated Sept. 25, 1945.

by Richard L. Merrill
Mineral Surveyor.

FOREST, June 16, 1879
Claims located ; FORLORN HOPE, June 15, 1879, 19

Survey commenced Sept. 30th, 1945

Survey completed Oct. 10th, 1945

Address of claimant Kenneth Aitken, Box 147
Prescott Arizona.

DATES OF AMENDED LOCATIONS

September 13, 1945

Feet

Mineral Survey No. 4298 was made with a Lietz Transit No. 10256, model No. 11-E, with horizontal limb 5 ins. diam., having two double opposite verniers, and full vertical circle 4 ins. diam., having one double vernier; the verniers read to one minute of arc; a prismatic eye piece with colored glass shade was attached to the eye piece of the transit for the solar observations. The instrument was in good condition at the time of the survey and all adjustments were in good order. A noon altitude observation on the meridian was made for time and latitude, and a P.M. altitude observation for azimuth, the details of which observations are shown in the calculation sheets herewith submitted 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 Lufkin steel tape 500 feet in length, graduated every foot, the first foot being graduated to tenths and hundredths.

All lines and connections of this survey were run by direct methods.

The magnetic variation observed at each corner of this survey gave a uniform value of $14^{\circ} 00' E$.

FORLORN HOPE LODE.

Beginning at Cor. No. 1 of the Forlorn Hope Lode, where I,

Set a schist stone 26x8x4 ins., 16 ins. in the ground for Cor. No. 1 mkd. X.F.H. 1 - 4298, identical with the Loc. Mon., a mound of stones 3 ft. base by 3 ft. high rebuilt alongside.

U.S.L.M. No. 1 bears N. $17^{\circ} 03' E$. 3654.65 ft. dist., a granite stone 12x14 ins. by 18 ins. above ground mkd. U.S.L.M. No. 1.

Cor. No. 2, Survey No. 1955, Dakota Lode, bears N. $10^{\circ} 20' E$. 407.18 ft. dist.

Cor. No. 3, Survey No. 410, Cash Lode, bears N. $17^{\circ} 58' E$. 352.99 ft. dist.

A spruce 20 ins. in diam. bears N. $86^{\circ} 40' E$. 13.9 ft. dist. mkd. X.B.T. - F.H. 1 - 4298

A spruce 12 ins. in diam. bears S. $1^{\circ} 25' W$. 28.0 ft. dist. mkd. X.B.T. - F.H. 1 - 4298

Thence S. $63^{\circ} 46' E$.

122.34 Cor. No. 3, Dakota Lode, identical with Cor. No. 2, Cracker Lode, Survey No. 1955.

312.0 . Intersect the Lode line at the Northeast end center, a mound of stones 3 ft. base by 3 ft. high, identical with the Loc. Mon.

624.0 Cor. No. 2

Set a Diorite stone 26x6x8 ins., 16 ins. in the ground for Cor. No. 2, mkd. X.F.H. 2 - 4298, identical with the Loc. Mon., a mound of stones 3 ft. base by 3 ft. high, which was rebuilt alongside

Cor. No. 3, Survey No. 1955, Cracker Lode, identical with Cor. No. 1, Survey No. 1660, Abbie Lode, bears S. $63^{\circ} 46' E$. 73.99 ft. dist.

A spruce 24 ins. in diam., bears S. $29^{\circ} 20' E$. 27.55 ft. dist. mkd. X.B.T. - F.H. 2 - 4298.

A spruce 12 ins. in diam., bears N. $80^{\circ} 30' E$. 19.7 ft. dist. mkd. X.B.T. - F.H. 2 - 4298.

		Thence S. 51° 56' W.
1469.43	Cor. No. 3	Set a Diorite stone 26x6x8 ins., 16 ins. in the ground for Cor. No. 3, mkd. X.F.H. 3 - F. 2 - 4298, identical with Cor. No. 2, Forest Lode, of this sur. and with a cor. of the location a mound of stones 3 ft. base by 3 ft. high rebuilt alongside. A spruce 10 ins. in diam., bears N. 72° 30' W., 0.6 ft. dist., mkd. X.B.T. - F.H. 3 - F. 2 - 4298. A spruce 12 ins. in diam., bears N. 87° E., 5.85 ft. dist., mkd. X.B.T. - F.H. 3 - F. 2 - 4298.
		Thence N. 63° 46' W.
312.0		Intersect the lode line at the Southwest end center, a mound of stones 3 ft. base by 3 ft. high, identical with the Loc. and with the Northeast end center Forest Lode of this survey.
624.0	Cor. No. 4	Set a Schist stone 26x6x12 ins., 16 ins. in the ground for Cor. No. 4, mkd. X.F.H. 4 - F. 1 - 4298, identical with Cor. No. 1, Forest Lode, of this survey, and with a Cor. of the Loc. a mound of stones 3 ft. base by 3 ft. high rebuilt alongside.
		Thence N. 51° 56' E.
1469.43	Cor. No. 1 and place of beginning.	FOREST LODE. Beginning at Cor. No. 1 of the Forest Lode, which is identical with Cor. No. 4 of the Forlorn Hope Lode of this survey and agrees with a cor. of the location. U.S.L.M. No. 1 bears N. 26° 52' E., 4932.21 ft. dist.
		Thence S. 63° 46' E.
312.0		Intersect the lode line at the Northeast end center, a mound of stones 3 ft. base by 3 ft. high, identical with the Southwest end center of Forlorn Hope Lode of this survey.
624.0	Cor. No. 2, identical with Cor. No. 3, Forlorn Hope Lode of this survey.	
		Thence S. 42° 19' W.
275.0	Road bears N. 84° 48' W. and S. 84° 48' E.	
1499.59	Cor. No. 3	Set a Diorite stone 26x8x10 ins., 16 ins. in the ground for Cor. No. 3, mkd. X.F. 3 - 4298, identical with the location, a mound of stones 3 ft. base by 3 ft. high, rebuilt alongside A pine 16 ins. in diam., bears S. 79° 05' W., 14.9 ft., mkd. X.B.T. - F. 3 - 4298. An oak 8 ins. in diam., bears S. 24° 45' W., 5.7 ft. dist., mkd. X.B.T. - F. 3 - 4298.
		Thence N. 63° 46' W.
312.0		Intersect the lode line at the Southwest end center, a mound of stones 3 ft. base by 3 ft. high, identical with the location corner.
624.0	Cor. No. 4	A Diorite stone in place 3x3x1 ft. above the ground, for Cor. No. 4, mkd. X.F. 4 - 4298, identical with a cor. of the location, a mound of stones 3 ft. base by 3 ft. high, rebuilt alongside A pine 12 ins. in diam., bears S. 15° 40' W., 19.7 ft. dist., mkd. X.B.T. - F. 4 - 4298.

Feet	<p>A pine 18 ins. in diam., bears N. 19° 10' W. 24.0 ft. dist., mkd. X.B.T. - F. 4 - 4298.</p> <p style="text-align: center;">Thence N. 42° 19' E.</p>
320.0	Road bears S. 68° 47' W. and N. 68° 47' E.
1499.59	Cor. No. 1 and the place of beginning.
	LODE LINES.
	The presumed course of the vein of each of the two lode locations embraced in this survey, counted from the respective points of discovery, is as follows:
	Forlorn Hope Lode, S. 51° 56' W., 240 ft. and N. 51° 56' W., 1229.43 ft.
	Forest Lode, N. 42° 19' E., 210 ft. and S. 42° 19' W., 1289.59 ft.
	AREAS.
	Acres.
	Total area, Forlorn Hope Lode 18.967
	Total area, Forest Lode 20.641
	LOCATION.
	This survey is located approximately in Secs. 1 and 2, T.12N., R.2W. unsurveyed, Yavapai County, Arizona, within the Prescott National Forest.
	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:
	FORLORN HOPE lode
No. 1	The discovery shaft of the Forlorn Hope Lode, the center of which being the discovery point, is on the center line 240 ft. from the center of line 3-4, 6x8 ft., 50 ft. deep. Value \$750.00.
No. 2	A cut, the Northeast end of which bears S. 85° 30' E., 400 ft. from Cor. No. 4, Forlorn Hope Lode, average width 4 ft., average depth 6 ft., length 200 ft., course S. 52° 00' W. Value \$1000.00.
No. 3	A shaft, the center of which bears N. 5° 45' W., 210 ft. from Cor. No. 3, Forlorn Hope Lode, 4x8 ft., 5 ft. deep. Value \$50.00.
No. 4	A shaft, the center of which bears N. 77° 10' E., 590 ft. from Cor. No. 4, Forlorn Hope Lode, 6x10 ft., 6 ft. deep. Value \$100.00.
No. 5	A tunnel and shaft, portal of tunnel bears N. 64° E., 730 ft. from Cor. No. 4, Forlorn Hope Lode. Tunnel is 4x6 ft., extending S. 37° 10' W., 50 ft. to a vertical shaft to surface 4x8 ft., 35 ft. deep. Value shaft and tunnel \$1000.00.
No. 6	A tunnel, portal of which bears S. 40° W., 665 ft. from Cor. No. 1, Forlorn Hope Lode, 4x6 ft., 125 ft. long, course S. 24° 15' W. Value \$1250.00.
	FOREST lode.
No. 1	The discovery shaft of the Forest Lode, the center of which being the discovery point, is on the lode line 210 ft. from the center of line 1-2; 6x12 ft., 14 ft. deep. Value \$150.00.

- No. 2 A shaft, the center of which bears S. 8° E., 360 ft. from Cor. No. 1 of the Forest Lode, 4x6 ft., 31 ft. deep. Value \$400.00.
- No. 3 A shaft, the center of which bears S. 5° 40' E., 380 ft., 4x8 ft., 100 ft. deep. Value \$2000.00.
- No. 4 A shaft, the center of which bears S. 2° 50' E., 380 ft. from Cor. No. 1, Forest Lode, 4x6 ft., 21 ft. deep. Value \$300.00.
- No. 5 A shaft, the center of which bears S. 34° 30' E., 75 ft. from the center of line 1-2, Forest Lode, 4x6 ft., 35 ft. deep. Value \$500.00.
- No. 6 A cut, the Northeast end of which bears S. 63° 46' E., 300 ft. from Cor. No. 1, Forest Lode, 4 ft. wide, 6 ft. deep, 60 ft. long, course S. 35° 20' W. Value \$300.00.

OTHER IMPROVEMENTS

The center of a galvanized iron tank bears S. 42° 19' W., 320 ft. from the center of line 1-2, Forest Lode, 8 ft. in diam., by 8 ft. high.

OTHER CORNER DESCRIPTIONS.

→ P Survey No. 410, Cor. No. 3, is a schist stone 8x6x16 ins., lying on the ground, mkd. C - No. 3.

→ P Survey No. 1955, Cor. No. 2, Dakota Lode, is a porphyry stone 6x12 ins., 8 ins. above the ground mkd. D-2 - 1955.

→ P Cor. No. 3, Dakota Lode, identical with Cor. No. 2, Cracker Lode, is a schist stone 6x6 ins., 12 ins. above the ground, mkd. C-2 - 1955 and D-3 - 1955.

→ P Cor. No. 3, Cracker Lode, identical with Cor. No. 1, ^{Sur.No.1660,} Abbie Lode, is a schist rock in place 3x6 ft. by 3 ft. above the ground, mkd. X-1-A - 1660. Marks for Cor. No. 3, Cracker Lode, not legible.

~~Survey 1955~~, Cracker Lode line 2-3, was found to be S. 63° 46' E., 575.65 ft., instead of S. 63° 46' E., 573 ft., as approved.

Richard L. Merritt
Richard L. Merritt
Mineral Surveyor, G.L.O.

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 Richard L. Merritt
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 _____
Kenneth Pitken
known as the Forest and Forlorn Hope lodes
and showing the respective capacities in which they acted.

Albert Greene _____, Chairman.
Fraser McKay _____, Chairman.
_____, Axman.
_____, Flagman.

FINAL OATHS OF ASSISTANTS

We, Albert Greene
and Fraser McKay _____, do solemnly swear that we assisted Richard L. Merritt
_____, United States Mineral Surveyor, in marking the corners and surveying
the boundaries of the mining claim of Kenneth Pitken
known as the Forest and Forlorn Hope 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

Albert Greene _____, Chairman.
Fraser McKay _____, Chairman.
_____, Axman.
_____, Flagman.

Subscribed and sworn to by the above-named persons before me this 31
day of Oct, 1945

F. C. Dayer
Notary Public

My Commission Expires Jan. 10, 1949

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

FINAL OATH OF MINERAL SURVEYOR

I, Richard L. Merritt, Mineral Surveyor,
do solemnly swear that, in pursuance of instructions received from the Office Cadastral
Engineer, at Phoenix Arizona, dated Sept. 25th 1945,
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 _____
Kenneth Aitken, known as the
Forest, and Forlorn Hope lodes,
situate in Hassayampa Mining District,
Yavapai County, Arizona, in Sections
1 & 2, Township No. 12 N, Range No. 2 W unsurveyed,
and designated as Survey No. 4298, 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.

Subscribed and sworn to by the said Richard L. Merritt
(Mineral Surveyor)
Mineral Surveyor, before me F. C. Bauer
this 31
day of Oct, 1945

F. C. Bauer
Notary Public

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

November 27, 19 45

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 Kenneth Aitken

known as the Forest and Forlorn Hope lodes

situate in Hassayampa mining district, Yavapai County Arizona

in Sections 1 & 2, Township No. 12 N., Range No. 2 W., Uns. designated as Survey No. 4298

executed by Richard L. Merritt, Mineral

Surveyor, Sept. 30th to Oct. 10th, 19 45, under my instructions dated

Sept. 25, 1945, 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.

CADASTRAL ENGINEER'S FINAL CERTIFICATE ON FIELD NOTES

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

Phoenix, Arizona

November 27, 1945

I, Office Cadastral Engineer Phoenix, Arizona

do hereby certify that the foregoing transcript of the Field Notes, return and approval of the survey of the mining claim of Kenneth Aitken

known as the Forest and Forlorn Hope lodes

situate in Hassayampa

Mining District Yavapai County Arizona

in Sections 1 & 2, Township No. 12 N., Range No. 2 W., Uns., and

designated as Survey No. 4298, 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 9 shafts, 2 outs, and 2 tunnels, total value \$7800.

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.