

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4444

ARIZONA Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

C. ZAY CLOPTON AND DOROTHY CLOPTON

Known As The

ARROYO NO. 1 Placer Mining Claim

Patagonia Mining District,

Santa Cruz County, Arizona

Sections 1 and 12, Township 24 S., Range 16 E., G&SR Meridian

Surveyed under order dated February 21, 1958

by Robert Lenon
Mineral Surveyor.

Claim located October 9, 1940

Survey commenced October 11, 1958

Survey completed October 24, 1958

Address of claimant c/o Clarence V. Perrin, Attorney
206 North Church Avenue
Tucson, Arizona

DATES OF AMENDED LOCATIONS

Observer
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:

October 11, 1958, at Cor. No. 3, Arroyo No. 1 Placer, in latitude $31^{\circ} 22' N.$, and longitude $110^{\circ} 40' W.$, 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. 2, Arroyo No. 1 Placer, clockwise, southwesterly, to the sun.

	(1)	(2)
Mean time of observation,		
105th meridian standard time	= $3^h 18^m$ p.m.	$3^h 20^m$ p.m.

Declination of sun at mean time of observation	=	$7^{\circ} 06' S.$
--	---	--------------------

Mean observed vertical angles to sun's center	=	$30^{\circ} 53'$	$30^{\circ} 22\frac{1}{2}'$
---	---	------------------	-----------------------------

Mean horizontal angles from reference point to sun's center	=	$88^{\circ} 36\frac{1}{2}'$	$89^{\circ} 09'$
---	---	-----------------------------	------------------

True bearing to reference point	=	$S. 30^{\circ} 48' E.$
---------------------------------	---	------------------------

The lines were measured with a Lufkin steel tape, 500 feet in length, graduated every foot, with the end feet graduated to tenths and hundredths; and a Chicago steel tape, 300 feet 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 ties were run by traverse methods.

The magnetic declination observed at each corner of the survey gave a uniform value of $13^{\circ} 00' E.$

SURVEY NO. 4444

ARROYO NO. 1 PLACER MINING CLAIM

At Cor. No. 1 of the Arroyo No. 1 Placer.

Set a copper-coated steel rod, with a mound of stone alongside; 30 ins. long, $\frac{5}{8}$ ins. diam., 27 ins. in the ground, with bronze cap mkd. X-A1-1-4444; from which

The cor. of Secs. 1 and 12, T. 24 S., R. 16 E. (unsur.), and Secs. 6 and 7, T. 24 S., R. 17 E., bears $N. 82^{\circ} 44' E.$, 773.76 ft. dist.; a stone, firmly set and properly mkd.

CHAINS	Feet	
		Cor. No. 4, the NW Cor. of H.E.S. No. 522, bears N. 49° 24' E., 151.00 ft. dist.; a stone firmly set and properly mkd.
		A corner of the location bears N. 67° 00' E., 29.3 ft. dist.; a black oak, 12 ins. diam., partially surrounded by loose stones. Above-mentioned black oak mkd. 1-4444-X-BT.
		Thence S. 59° 50' W.
	350.00	Finley and Adams Gulch, 20 ft. wide, course S. 40° E.
	547.00	Fence, bears N. 20° W. and S. 20° E.
	598.00	Gulch, 3 ft. wide, course S. 45° E.
	633.67	Intersect Easterly side line of Deep Well Placer (unsurveyed) at a place for which the S. Gary bears S. 0° 15' E., 253.81 ft. dist.
	660.00	Cor. No. 2 and discovery point of Arroyo No. 1 Placer.
		A wooden post, 4 x 6 ins., 48 ins. above ground, firmly set in a scattered mound of stone, which I rebuilt; and mkd. the post A1-2-4444 from which
		A white oak, 30 ins. diam., bears S. 86° 55' W., 54.9 ft. dist., mkd. 2-4444-X-BT.
		Thence N. 30° 48' W.
	457.00	Fence, bears N. 60° E. and S. 60° W.
	475.00	Gulch, 3 ft. wide, course S. 50° E.
	675.00	Pipeline, 4 ins. diam., bears N. 33° E. and S. 33° W.
	775.00	Gulch, 2 ft. wide, course S. 50° W.
	1255.00	Cor. No. 3, being identical with the NW Cor. of the Deep Well Placer (Unsurveyed).
		Set a copper-coated steel rod, 30 ins. long, 5/8 ins. diam., 27 ins. in the ground, with bronze cap mkd X-A1-3-4444, in the center of a small mound of stone, and built a monument of stone alongside, from which
		A black oak, 16 ins. diam., bears S. 0° 30' W., 38.7 ft. dist., mkd. 3-4444-X-BT.
		A horse trail, 1 ft. wide, passes immediately west of the said monuments, bears N. 30° W. and S. 30° E.
		Thence N. 59° 50' E.
	13.00	Gulch, 2 ft. wide, course S. 30° E.
	35.00	Fence, bears S. 30° E. and N. 30° W.
	193.00	Primitive road, 8 ft. wide, bears S. 25° E. and N. 25° W.
	340.00	Finley and Adams Gulch, 20 ft. wide, course S. 35° E.
	640.65	Cor. No. 4

CHAINS
Feet

Set a copper-coated steel rod, 30 ins. long, 5/8 ins. diam., 27 ins. in the ground, mkd. X-A1-4-4444, in the center of a small mound of stone under a barbed-wire fence (course, N. 35° W., and S. 35° E.), and built a monument of stone alongside, from which

A triple-trunked black oak, 8 ins. diam., bears S. 13° 30' W., 66 ft. dist., mkd. 4-4444-X-BT.

Thence S. 31° 41' E.

1255.38 Cor. No. 1, and place of beginning.

AREA

Acres
18.735

Total area, Arroyo No. 1 Placer

LOCATION

This survey is located in approximately Secs. 1 and 12 (unsur.) in T. 24 S., R. 16 E., G&SR Meridian, Arizona.

The survey is identical with the location as marked on the ground, with the exception of Cor. No. 1, which differs to the extent previously shown.

EXPENDITURES

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

No. 1 The discovery point coincides with Cor. No. 2, previously described. No value.

No. 2 A drilled well, with 18-inch casing, 380 ft. deep, the center of which bears S. 45° 50' E., 565 ft. from Cor. No. 3, Arroyo No. 1 Placer. Value, \$3000.

No. 3 A bulldozer pit, 6 ft. wide, the face of which bears S. 38° 00' E., 475 ft. from Cor. No. 3, Arroyo No. 1 Placer, runs S. 10° E., 75 ft. to 8-foot face. Value, \$400.

No. 4 A bulldozer pit, 8 feet wide, the face of which bears S. 35° 40' E., 455 ft. from Cor. No. 3, Arroyo No. 1 Placer, runs S. 50 ft. to 6-foot face. Value, \$200.

OTHER IMPROVEMENTS

A frame pumphouse, 16 x 17 ft. in size, the westernmost corner of which bears S. 46° 05' E., 538 ft. from Cor. No. 3, long sides bear N. 30° W.
Claimant herein.

A wood-stave water tank, 12 ft. diam., 8 ft. high, the center of which bears S. 46° 15' E., 586 ft. from Cor. No. 3.
Claimant herein.

SUPPLEMENTAL DATA

H.E.S. Sur. No. 522: The northerly line is N. 89° 58' W., 652.9 ft.

/Chains
Feet.

FIELD ASSISTANTS

C. E. Hare	Chainman
Joe D. Alvarez	Chainman
Joseph Stravis	Axeman

DESCRIPTIVE REPORT

The soil in the valley of Finley and Adams Gulch is good and could be cultivated over a width of about 300 feet for the length of the claim; there is no timber in the valley, but on the higher ground comprising about half of the claim, there is a good deal of black and white oak, with a little manzanita.

There are no running streams on the claim, which lies astride the main channel of Finley and Adams Gulch; a smaller tributary runs along the southwesterly line of the claim. Both are only wet-weather streams.

There are two bulldozer pits in the gravel showing the character of the valley-fill material. They are about seven feet in width, and are 50 and 75 feet in length, respectively; both were originally about 10 feet in depth, but some caving has reduced the depth at present.

There is a labor-supply at Washington-Duquesne, 2 miles northwest, where experienced miners can be hired, and a few at Lochiel, 3 miles southeast. Patagonia, 20 miles to the north, is the nearest settlement of any consequence; population is about 800.

Finley and Adams Gulch drains approximately five square miles of well mineralized country, over its length of about 5 miles to this point. This includes the northerly portion of the Washington-Duquesne district, which has been a good producer of lead, zinc, copper, gold, silver ores.

About 10 acres of the surface of this claim lie within the valley of Finley and Adams Gulch, and are in valley-fill estimated to be about 20 feet in thickness, mostly unconsolidated sand and gravel, with very few large stones seen. Ample water is available, as the drilled well on this claim served the needs of the Callahan Lead-Zinc flotation mill (with a capacity of some 300 tons per day) for several years. A mill of this type would normally consume around 150 gallons per minute.

Work done by the claimants and their grantors include the drilling of the above-mentioned well and the digging of the two bulldozer pits mentioned above. Additional work was said to have been done on the banks of the main channel of Finley and Adams Gulch, but no evidence of this remains at the present time.

There are no mines, salt licks, salt springs, or millsites on this claim.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

6

CERTIFICATE OF SURVEYOR

February 21, 1958

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 February 21, 1958, I have faithfully and correctly executed the survey of

the mining claim of C. Zay Clopton and Dorothy Clopton

known as the Arroyo No. 1 (Placer Claim)

(Lode, placer, or mill site)

situate in Patagonia Mining District, Santa Cruz County, Secs. 1 and 12,

T. 24 S., R. 16 E., Gila & Salt River Meridian, Arizona, and
(State)

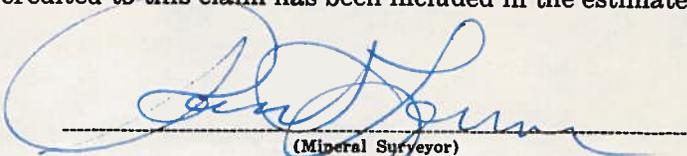
designated as Survey No. 4444, which is represented in the foregoing field notes as having been executed by me and under my direction, and that said survey has been made in strict conformity with said order, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the 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 placer 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.

Patagonia, Arizona
(Place)


(Mineral Surveyor)

CERTIFICATE OF APPROVAL

Bureau of Land Management Cadastral Survey
(Office) Office

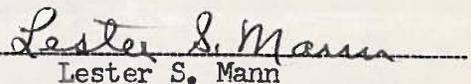
Phoenix, Arizona May 21, 1959
(Place) (Date)

The foregoing field notes of mineral survey No. 4444, in Sections 1 and 12

T. 24 S., R. 16 E., Gila & Salt River Meridian,

Arizona, executed by Robert Lenon, Mineral Surveyor,
(State)

under order dated February 21, 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

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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

February 21, 1938

I, Robert Lewis

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

Office of the Surveyor General at Phoenix, Arizona

dated February 11, 1938, I have faithfully and correctly executed the survey of

the mining claim of W. W. Lester and Dorothy Clapper

known as the Harvey No. 1 (Flacker Claim)

situate in Patagonia Mining District, Santa Cruz County, Arizona, Sections 1 and 12,

T. 25 S. R. 16 E. Gila Salt River Meridian and Arizona

designated as Survey No. 1111, 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 Flacker location(s) embraced in the said mining claim by

claimant(s) or W. W. Lester grantor are fully stated in my report therein, and that the character,
extent, location, and estimated 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

CERTIFICATE OF APPROVAL

I, Robert Lewis, Surveyor General of Arizona, do hereby approve the

survey of W. W. Lester and Dorothy Clapper of the mining claim

known as the Harvey No. 1 (Flacker Claim) situate in Patagonia Mining District, Santa Cruz County, Arizona, Sections 1 and 12,

T. 25 S. R. 16 E. Gila Salt River Meridian and Arizona

executed by Robert Lewis, Mineral Surveyor

under order dated February 11, 1938, 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.

Robert Lewis

Office of the Surveyor General

CERTIFICATE OF TRANSCRIPT

I certify that the foregoing transcript of field notes of the above described mining claim No. 1111
is a true copy of the original field notes.