

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4437

ARIZONA

Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

Henry A. Porterie

Known As The

MERCURY LODE

WINIFRED

Mining District,

MARICOPA

County,

ARIZONA

Section 26, Township 3N., Range 3E.

Surveyed under order dated Sept. 20, 1957
July 31, 1961 Amd., 19

Harry E. Jones, deceased
by Harvey W. Smith
Mineral Surveyor.

Claim located Nov. 20, 1916

Survey commenced Sept. 20, 1957

Survey completed Aug. 1, 1961

Address of claimant c/o A. H. MacKenzie
812 Security Bldg.
Phoenix, Arizona

DATES OF AMENDED LOCATIONS

July 12, 1957

THE UNIVERSITY OF CHICAGO
DIVISION OF THE PHYSICAL SCIENCES

DEPARTMENT OF CHEMISTRY

RESEARCH REPORT

REPORT NO. 100

BY

ROBERT M. HARRIS

AND

WALTER K. RENTZ

DEPARTMENT OF CHEMISTRY

UNIVERSITY OF CHICAGO

CHICAGO, ILLINOIS

1957

100

100

100

100

100

100



SURVEY NO. 4437

1

Chains
Feet

This survey was made with a K. & E. transit, No. 51591, with a horizontal limb 5.5 ins. diam., having two double opposite verniers, and full vertical circle 4.5 ins. diam., having one double vernier, the verniers read to one minute of arc; the instrument is equipped with a colored eye-shade to be attached for making direct observations on 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 horizontal-angles-right referred to the meridian established by direct observation on the sun. At 08:40 A. M. on July 19, 1961 at cor. No. 3 of the Mercury lode, latitude $33^{\circ}34'15''$ North, longitude $112^{\circ}01'09''$ West, turning from a reference pt. about 600 ft. northwest clockwise to the sun in an east direction.

True bearing of reference pt.
N. $37^{\circ}05'$ W.

The lines were measured with a Lufkin steel tape, 300 ft. in length, graduated every ft. for 299 ft. and the remaining foot graduated to tenths and hundredths. The tape was compared to a standard 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 $15^{\circ}45'$ East.

SURVEY NO. 4437

MERCURY LODGE

Beginning at cor. No. 1 of the Mercury lode

Fd. an iron post, 1 in. diam., 12 ins. above ground firmly set, properly marked and witnessed as described in the official segregation survey to which I add marks MS 4437; from which

The center $\frac{1}{4}$ cor. of Sec. 26, T.3N., R.3E., G.&S.R.B.&M. bears N. $46^{\circ}45'33''$ E., 1199.04 ft. dist.; an iron post, 2 ins. diam., 12 ins. above ground firmly set, marked and witnessed as described in the official record.

A mound of stones constructed adjacent to the iron post.

Thence N. $42^{\circ}33'$ E.

1109.34 Intersect the line bet. the NW $\frac{1}{4}$ and the SW $\frac{1}{4}$ of Sec. 26, at a pt. from which the center $\frac{1}{4}$ cor. of Sec. 26, T.3N., R.3E., G.&S.R.B.&M., bears N. $88^{\circ}02'$ E., 123.38 ft. dist.; previously described.

1286.90 Intersect the line bet. the NW $\frac{1}{4}$ and the NE $\frac{1}{4}$ of Sec. 26 at a pt. from which the center $\frac{1}{4}$ cor. of Sec. 26., T.3N., R.3E., G.&S.R.B.&M., bears S. $1^{\circ}28'$ E., 126.65 ft. dist.; previously described.

1501.19 Cor. No. 2

Chains	Feet	Description
		Fd. an iron post, 1 in. diam., 12 ins. above ground, firmly set, properly marked and witnessed as described in the official segregation survey to which I add marks MS 4437; from which A mound of stones constructed adjacent to the iron post. Thence S. $37^{\circ}05'$ E. a shaft,
	304.60	Lode line; discovery pt./bears S. $42^{\circ}55'$ W., 680 ft. dist.
	341.65	Intersect line bet. the NE $\frac{1}{4}$ and the SE $\frac{1}{4}$ of Sec. 26 at a pt. from which the center $\frac{1}{4}$ cor. of Sec. 26 bears S. $88^{\circ}02'$ W., 347.88 ft. dist.; previously described.
	605.54	Cor. No. 3 Fd. an iron post, 1 in. diam., 12 ins. above ground firmly set, properly marked and witnessed as described in the official segregation survey to which I add marks MS 4437; from which A mound of stones constructed adjacent to the iron post. Thence S. $42^{\circ}55'$ W.
	469.37	Center line Shea Blvd., a paved highway, bears N. $66^{\circ}45'$ E. and S. $66^{\circ}45'$ W.
	1499.46	Cor. No. 4 Fd. an iron post, 1 in. diam., 12 ins. above ground, firmly set, properly marked and witnessed as described in the official segregation survey to which I add marks MS 4437; from which A mound of stones constructed adjacent to the iron post. Thence N. $37^{\circ}05'$ W. a shaft,
	300.94	Lode line; discovery pt./bears N. $42^{\circ}55'$ E., 819.46 ft. dist.
	333.66	Center line Shea Blvd., a paved highway, bears N. $53^{\circ}30'$ E. and S. $51^{\circ}30'$ W.
	595.79	Cor. No. 1 and the place of beginning.

SURVEY NO. 4437

AREAS

	Acres
Total area, Mercury Lode	20.363
Area in conflict with	
NW $\frac{1}{4}$, Sec. 26, T.3N., R.3E., G.&S.R.B.&M.	0.179
NE $\frac{1}{4}$, Sec. 26, T.3N., R.3E., G.&S.R.B.&M.	1.332

LOCATION

This survey is located in NW $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$ and SW $\frac{1}{4}$, Sec. 26, T.3N., R.3E., G.&S.R.B.&M.

Feet:	The survey of the Mercury lode is identical with respective location or amended location as marked on the ground.
	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 its grantors are as follows:
No. 1	The discovery shaft of the Mercury lode is on the lode line 680.0 ft. from a pt. on line 2-3, 304.60 ft. from cor. No. 2; 4½x7½ ft. in size, 18 ft. deep. Value, \$175.
No. 2	A pit, the SW cor. of which bears N.63°E., 848 ft. dist., from cor. No. 1 of the Mercury lode; 11x14 ft. in size, 3 ft. deep. Value, \$70.
No. 3	An "L" shaped pit, the SW cor. of which bears N.63°30'E., 870 ft. dist. from cor. No. 1 of the Mercury lode; 8 ft. wide, 5 ft. deep, running N.43°E., 21 ft. At the SW cor. a leg 6 ft. wide, 8 ft. deep runs S. 37°E., 9 ft. Value, \$300.
No. 4	An open cut, the SW cor. of which bears N.61°30'E., 895 ft. dist., from cor. No. 1 of the Mercury lode; 5 ft. wide running N. 43°E., 86 ft., 9 ft. deep at the SW end, 25 ft. deep in the center, 12 ft. deep 26 ft. from the NE end, 4 ft. wide, 7 ft. deep the last 26 ft. At a pt. 26 ft. from the SW end, a second cut 5 ft. wide, 6 ft. deep runs N.47°W., 88 ft. Value \$2000.
No. 5	A pit, the SW cor of which bears N.62°30'E., 765 ft. dist. from cor. No. 1 of the Mercury lode; 6x10 ft. in size, 3 ft. deep. Value \$60.
No. 6	A cut, the SW cor. of which bears N.63°30'E., 780 ft. dist. from cor. no. 1 of the Mercury lode; 5 ft. wide, 4 ft. deep and running N.43°E., 13 ft. Value \$75.
No. 7	A cut, the SW cor of which bears N.79°30'E., 540 ft. dist from cor. No. 1 of the Mercury lode; 4 ft. wide, 4 ft. deep and running N. 52°W., 36 ft. Value, \$150.
No. 8	A timbered shaft, the SW cor. of which bears N.67°E., 738 ft. dist. from Cor. No. 1 of the Mercury lode; 5½x7½ ft. in size, inclined at 70° and bearing S.50°E. to a depth of 90 ft. At the 65 ft. level, a drift, 4x6 ft. in size runs N.43°E., 6 ft. Value, \$4500.
No. 9	A cut, the SW Cor. of which bears N.70°E., 675 ft. dist. from cor. No. 1 of the Mercury lode; 3 ft. wide, 2 ft. deep and running S.51°E., 15 ft. Value, \$40.
No. 10	A cut, the SW. cor. of which bears N.61°E., 625 ft. dist. from cor. No. 1 of the Mercury lode; 4 ft. wide, 4 ft. deep and running S.51°E., 77 ft. Value, \$225.

Chains Feet					
No. 11	<p>A cut, the SW. cor. of which bears N. 64° E., 530 ft. dist. from cor. No. 1 of the Mercury lode; 3 1/2 ft. wide, 3 ft. deep, and running N. 37° W., 53 ft. Value, \$170.</p>				
	<p>OTHER IMPROVEMENTS</p> <p>A mercury retort with necessary accessory equipment, the NW cor. of which bears N. 67° E., 738 ft. dist. from cor. No. 1 of the Mercury lode. Capacity unknown. Claimant unknown.</p>				
	<p>OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA</p> <p>NONE</p>				
	<p>FIELD ASSISTANTS</p> <table border="1"> <thead> <tr> <th>Name</th> <th>Capacity</th> </tr> </thead> <tbody> <tr> <td>Bill Donahue</td> <td>Chainman-Axeman</td> </tr> </tbody> </table>	Name	Capacity	Bill Donahue	Chainman-Axeman
Name	Capacity				
Bill Donahue	Chainman-Axeman				

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

Aug. 2, 1961

I, Harvey W. Smith,

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

Cadastral Engineer, at Phoenix, Arizona

dated Sept. 20, 1957
July 31, 1961 Amd., I have faithfully and correctly executed the survey of

the mining claim of Henry A. Porterie,

known as the Mercury lode

(Lode, placer, or mill site)

situate in Winifred Mining District, Maricopa County, Sec. 26,

T. 3N., R. 3E., G. & S. R. B. & Meridian, Arizona, and

(State)

designated as Survey No. 4437, 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.

Scottsdale 6, Arizona
(Place)

Harvey W. Smith
(Mineral Surveyor)
Harvey W. Smith

CERTIFICATE OF APPROVAL

Bureau of Land Management
Phoenix, Arizona, Survey Office

(Office)

Phoenix, Arizona September 20, 1961

(Place)

(Date)

The foregoing field notes of mineral survey No. 4437, in Section 26

T. 3 N., R. 3 E., G. & S. R. Meridian,

executed by Harvey W. Smith, Mineral Surveyor,
(State) September 20, 1957

under order dated July 31, 1961 Amd., 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.

Raymond C. Cleghorn
Raymond C. Cleghorn

Acting State Director
(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)



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Arizona State Office
3022 Federal Building
Phoenix, Arizona 85025

IN REPLY REFER TO
9183.1 (942)
M.S. #4437

ALB.
SV

May 30, 1972

Memorandum

To : Chief, Division of Management Services, ASO
(Att'n. Branch of Records & Data Management)

From : **ASSOCIATE** State Director, Arizona

Subject: Mineral Survey No. 4437

This memorandum cancels the survey of the MERCURY lode claim of Mineral Survey No. 4437.

The following notation should be made on the plat of Mineral Survey No. 4437:

"Survey of MERCURY lode claim canceled by State Director's memorandum dated May 30, 1972."

The plat and field notes should remain in the files. This memorandum should be made a part of the original field notes of Mineral Survey No. 4437.

By Decision dated December 12, 1967, Contest Arizona 032996, the Hearing Examiner declared the Mercury lode claim invalid. No appeal was filed and the case was closed March 28, 1968.

The metes and bounds survey of the Mercury lode, located in Section 26, Township 3 North, Range 3 East, Gila and Salt River Meridian, Arizona, under Mineral Survey No. 4437, is not being preserved, since the area embraced by the Mercury lode was surveyed and lotted out by the Subdivision Survey of Section 26, T. 3 N., R. 3 E., G&SR M., Arizona, executed by Cadastral Surveyor Ty White on the township plat accepted June 29, 1951.

A supplemental plat of Section 26, T. 3 N., R. 3 E., G&SR M., Arizona, designating the area formerly embraced by the Mercury lode as Lot 8, is being submitted for acceptance, to accommodate the scheduled disposal of this area under provisions of the Recreation and Public Purpose Act.

Edward J. H. [Signature]

cc: Director

