

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4431

ARIZONA Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

ROY ELLIOTT

Known As The

NEUMAN LODE

EUREKA Mining District,

YAVAPAI County, ARIZONA

Sections 4 and 9, Township No. 13 N., Range No. 8 W., G. and S.R. Mer.

Surveyed under order dated June 19, 1957

by Richard L. Merritt
Mineral Surveyor.

Claim located January 2, 1897

Survey commenced August 6, 1957

Survey completed August 12, 1957

Address of claimant c/o Favour and Quail, Attorneys
Prescott, Arizona

DATES OF AMENDED LOCATIONS

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

PHYSICS 309

EXERCISES

PROBLEM 1

1.1

1.2

1.3

1.4

1.5

1.6

1.7

1.8

1.9

1.10

1.11

1.12

1.13

1.14

Chains

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 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 deflection angles referred to the meridian determined by the following observation:

Aug. 6, 1957, at cor. No. 1 of the Neiman lode, in latitude $34^{\circ}29'15''$ N., and longitude $113^{\circ}06'21''$ 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 the opposite limbs of the sun, and reading the horizontal angle from cor. No. 4 of the Neiman lode to the left to the sun.

Mean time of observation, 105th meridian standard time $3:38^m$ p.m.

Declination of the sun at mean time of observation = $16^{\circ}34'53''$ N.

Mean observed vertical angle to sun's center = $46^{\circ}02'50''$

Mean horizontal angle from cor. No. 4 Neiman lode to sun's center = $33^{\circ}55'40''$

True bearing line 1-4 Neiman lode = $N.68^{\circ}23'55''$ W

The lines were measured with a Lufkin steel tape 300 feet 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 time of beginning of the survey, and found 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 $14^{\circ}30'$ E.

SURVEY NO. 4431

Feet

NEIMAN LODGE

Beginning at cor. No. 1 of the Neiman lode, identical with cor. No. 1 Sur. No. 3811, Belle lode, a granite stone, 4 x 6 ins., 10 ins. above ground, mkd X-B-1-3811; I mkd, N-1-4431; from which

The $\frac{1}{2}$ cor. between sec. 4 and sec. 9, T.13 N., R.8 W., Gila and Salt River Mer., bears $N.75^{\circ}45'$ E., 440.3 ft. dist.; an iron post, $\frac{3}{4}$ ins. diam., 12 ins. above ground, firmly set, marked and witnessed as described in the official record.

A granite rock in place, 10 x 20 ft., 2 ft. above ground, bears $N.47^{\circ}31'$ E., 19.9 ft. dist., mkd X B R - B-2-3811; I mkd. N-2-4431.

A granite rock in place, 4 x 6 ft., 1 ft. above ground, bears $N.34^{\circ}11'$ W., 20.42 ft. dist., mkd. X B R - B-1-3811; I mkd. N-1-4431.

Thence $S.17^{\circ}00'$ W.

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Center of road, bears $N.55^{\circ}$ W and $S.55^{\circ}$ E.

1500.0

Cor. No. 2.

On granite rock in place, 6 x 10 ft., 10 ft. above ground, point for cor. No. 2, mkd. X-N-2-4431.

Thence $N.68^{\circ}24'$ W.

300.0

Lode line; discovery point bears $N.17^{\circ}00'$ E., 1205 ft.

Feet

600.0

Cor. No. 3. Set an iron pipe 1 1/2 ins. diam., 24 ins. long, 18 ins. in the ground with a brass cap mkd. X N-3-4431. Thence N. 17° 00' E.

1500.0

Cor. No. 4, identical with Cor. No. 2, Sur. No. 3811 Belle lode; a granite stone, 6 x 8 x 11 ins. above ground, mkd. X B-2-3811; I mkd. stone N-4-4431; from which A granite rock in place, 4 x 6 ft., 3 ft. above ground, bears N. 71° 35' W., 15.2 ft., mkd. X B B-2-3811; I mkd. rock N-4-4431. A granite rock in place, 2 x 3 ft., 2 ft. above ground, bears N. 68° 25' E., 19.2 ft., mkd. X B B-2-3811; I mkd. rock N-4-4431.

300.0

Lode line, discovery point bears S. 17° W., 295. ft. dist.

600.0

Cor. No. 1, and place of beginning.

SURVEY NO. 4431

AREAS

Total area, Neiman lode. 20.595 Acres

LOCATION

This survey is located in the NW 1/4 sec. 9, and the SW 1/4 sec. 4 of T. 13 N., R. 8 W., of the Gila and Salt River meridian.

The survey of the Neiman lode is identical with the location as marked on the ground. The location monuments, all mounds of stone, were rebuilt alongside at the four corners of the lode.

EXPENDITURES

The improvements and the value of the labor and improvements made upon or for the benefit of the lode location embraced in said mining claim by the claimant or his grantors are as follows:

No. 1 The discovery shaft of the Neiman lode, the center of which being the discovery point, is on the center line 295. ft. from the center of line 4-1, an incline shaft 4.5 x 4.5 ft., bears S. 63° 49' E.; incline length, 300. ft.; vertical angle, 27° 10'. Value, \$15,000.

No. 2 A cut, 6 ft. wide, the mouth of which bears S. 38° 30' E., 365. ft. from Cor. No. 4 Neiman lode; runs N. 76° E., 47. ft. to 10 ft. face. Value, \$200.

No. 3 A shaft, the center of which bears S. 3° E., 550. ft. from Cor. No. 4 of the Neiman lode; 4 x 6 ft., 50. ft. deep. Value, \$1,500.

No. 4 A shaft, the center of which bears N. 83° 45' W., 170. ft. from Cor. No. 1 of the Neiman lode; 4 x 6 ft., 80. ft. deep. Value, \$2,400.

OTHER IMPROVEMENTS

A galvanized iron house, the NE corner of which bears S. 31° W., 356. ft. from Cor. No. 1 of the Neiman lode; 25 x 17 ft. in size;

~~CLAIMANT~~

the long sides bear N.68° E.
Claimant herein.

A galvanized iron mill, the NW corner of which bears S.36°15' W.,
393. ft. from Cor. No. 1 of the Neiman lode, 40 x 24 ft. in size;
the long sides bear N.40° E.
Claimant herein.

A galvanized iron tank, the center of which bears S.21°20' W.,
265. ft. from Cor. No. 1 of the Neiman lode; 8 ft. diam., 5.5 ft.
deep.
Claimant herein.

A galvanized iron tank, the center of which bears N.15°10' E.,
1222. ft. from Cor. No. 2 of the Neiman lode; 5 ft. diam., 6 ft.
deep.
Claimant herein.

A windmill, the center of which bears S.25° W., 308. ft. from
Cor. No. 1 of the Neiman lode.
Claimant herein.

A galvanized iron tank, the center of which bears S.15°40' E.,
514. ft. from Cor. No. 4 of the Neiman lode; 10 ft. diam., 11 ft.
deep.
Claimant herein.

OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

None.

FIELD ASSISTANTS

Name	Capacity
P. J. McNulty	Chainman
William Amburn	Chainman

Chains		xxxx						
	<p>the long sides bear N. 68° E. Claimant herein.</p> <p>A galvanized iron mill, the NW corner of which bears S. 86° 15' W. 398 ft. from Cor. No. 1 of the Wetman lode, 40 x 24 ft. in size; the long sides bear N. 40° E. Claimant herein.</p> <p>A galvanized iron tank, the center of which bears S. 21° 30' W. 262 ft. from Cor. No. 1 of the Wetman lode; 8 ft. diam., 2.5 ft. deep. Claimant herein.</p> <p>A galvanized iron tank, the center of which bears N. 12° 10' E. 1222 ft. from Cor. No. 2 of the Wetman lode; 5 ft. diam., 6 ft. deep. Claimant herein.</p> <p>A windmill, the center of which bears S. 27° W., 304 ft. from Cor. No. 1 of the Wetman lode. Claimant herein.</p> <p>A galvanized iron tank, the center of which bears S. 12° 40' E. 214 ft. from Cor. No. 4 of the Wetman lode; 10 ft. diam., 11 ft. deep. Claimant herein.</p>							
	<p>OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA</p> <p>None.</p>							
	<p>FIELD ASSISTANTS</p> <table border="0"> <tr> <td data-bbox="324 1491 462 1545">Capacity</td> <td data-bbox="1039 1491 1112 1532">Name</td> </tr> <tr> <td data-bbox="324 1572 462 1639">Chairman</td> <td data-bbox="1015 1559 1242 1626">P. J. McNulty</td> </tr> <tr> <td data-bbox="324 1612 462 1653">Chairman</td> <td data-bbox="1015 1599 1242 1639">William Anderson</td> </tr> </table>	Capacity	Name	Chairman	P. J. McNulty	Chairman	William Anderson	
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Chairman	William Anderson							

UNITED STATES
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CERTIFICATE OF SURVEYOR

24 August, 1957

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 June 19, 1957, I have faithfully and correctly executed the survey of the mining claim of Roy Elliott

known as the Neiman Lode
(Lode, placer, or mill site)

situate in sections 4 and 9

T. No. 13 N., R. No. 8 W., G. and S.R. Meridian, Arizona, and
(State)

designated as Survey No. 1431, 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 Neiman 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 October 16, 1958
(Place) (Date)

The foregoing field notes of mineral survey No. 1431, in Sections 4 and 9,

T. No. 13 N., R. No. 8 W., GSR Meridian,

Arizona, executed by Richard T. Merritt, Mineral Surveyor,
(State)

under order dated June 19, 1957, 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. _____ is a true copy of the original field notes.

