

4-683

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MINERAL SURVEY No. 4229

Arizona Land District

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

F. L. Shire

KNOWN AS THE

WILHELMINA, PERFECT 36, PETITE 37 and LUCKY 38 lodes

Copper Mountain Mining District,

Greenlee County, Arizona.

Section 20, Township 4 S., Range 29 E.

Surveyed under instructions dated November 22, 1939

By Ralph L. Motz.
Mineral Surveyor G.L.O.

Claim located See location notices herewith, 19

Survey commenced January 2, 1940

Survey completed January 8, 1940

Address of claimant F. L. Shire, Box 878, Clifton, Arizona.
Attys., Gibbs & Gibbs, Phoenix, Arizona

DATES OF AMENDED LOCATIONS

Mineral Survey No. 4229 was made with a Gurley & Sons Precise transit, light mountain model, with horizontal limb 6.25 inches in diameter, having two double opposite verniers, and full vertical circle 5 inches in diameter, having one double vernier; the verniers read to one minute of arc; the eye piece is equipped with a prismatic eye piece with colored glass slide for making direct observations upon the sun. The instrument was in good condition at the time of survey and all adjustments were in good order. An a.m. altitude observation of the sun for azimuth, and at noon on the meridian for latitude, were made at Cor. No. 1 of the Lucky 38 lode, the details of which observations are shown in the calculation sheets submitted herewith 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 Keuffel & Esser steel tape, 100 feet in length, graduated to feet, tenths, and hundredths of feet for the entire length; a Keuffel & Esser steel tape, 300 feet in length, graduated to feet, tenths and hundredths of feet for the entire length; a Lufkin steel tape, 250 feet in length, graduated to feet, inches and fractions of inches for the entire length. All tapes were compared with a Lufkin standard steel tape at the time of beginning the survey, and found correct.

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

The magnetic variation, observed at each corner of the survey gave a uniform value of $13^{\circ} 50' E.$

LUCKY 38

Beginning at Cor. No. 1 of the Lucky 38 lode,

Identical with Cor. No. 4 Survey No. 2858 Congress lode, Cor. No. 1 Survey No. 2858 Copper Pig lode, and Cor. No. 1 Survey No. 3547 Providencia lode

Set an iron pipe, 1 inch diameter, 3 feet long, 24 inches in the ground, with brass cap, 3 inches square, for Cor. No. 1, mkd. L38-1-4229; from which

A monument of rocks, 3 ft. high, 3 ft. base, bears easterly 3 ft.

The $1/4$ Cor. between Secs. 17 and 20, T. 4 S., R. 29 E., G. & S. R. ~~Block~~ M., bears $N. 16^{\circ} 47' E.$, 1734.5 ft. dist., an iron post 1 inch diameter with brass cap, properly set and marked as described in the official record.

Thence $S. 30^{\circ} 06' E.$

370.1 To Cor. No. 2

Identical with Cor. No. 4 Survey No. 3547 Providencia lode, and ~~monument~~ line 5-1 of the Wilhelmina lode of this survey, at a point from which Cor. No. 5 bears $S. 52^{\circ} 49' W.$, 703.1 ft. dist., ~~whose~~ Wilhelmina lode

Set an iron pipe, 1 inch diameter, with brass cap 3 inches square, 3 feet long set 24 inches in the ground, for Cor. No. 2, mkd. L38-2-4229; from which

A monument of rocks, 3 feet high, 3 feet base, bears southeasterly 3 ft. No other bearings available

Feet

Thence S. 30° 15' E.

500.4

Cor. No. 3

Identical with Cor. No. 1 Sur. No. 3547 Apache lode, where I

Set an iron pipe, 1 inch diameter, with brass cap 3 inches square, 3 feet long, set 24 inches in the ground for Cor. No. 3, mkd. L38-3-4229; from which

A monument of rocks, 3 feet high, 3 foot base, bears 3 feet westerly, no other bearings available

Thence S. 30° 06' E.

91.67

To Cor. No. 3 of the Wilhelmina lode of this survey

104.4

Intersect line 2-3 of the Perfect 36 lode of this survey at a point from which Cor. No. 2 bears S. 34° 52' W., 1128 ft. dist.

580.0

Cor. No. 4

Identical with Cor. No. 4 Sur. No. 3547 Apache lode, where I

set an iron pipe, 1 inch diameter, with brass cap, 3 inches diameter, 3 feet long, set 18 inches in the ground to be rock, for Cor. No. 4, mkd. L38-4-4229; from which

A monument of rocks, 3 feet high, 3 foot base, bears southeasterly 4 feet.

A pine post, 4 inches square, set in the ground in a monument of rocks, original location for the south east corner, bears N. 70° 56' E., 0.8 ft.

Thence S. 70° 56' W.

Intersect lode line at

304.2

Original location for the south end center, being a mound of rocks, 3 feet high, 3 foot base

609.2

Cor. No. 5

Set an iron pipe, 1 inch in diameter, with brass cap 3 inches square, 3 feet long, set 24 inches in the ground for Cor. No. 5, mkd. L38-5-4229; from which

A monument of rocks 3 feet high, 3 foot base, bears easterly 3 feet. No other bearing objects available

Thence N. 30° 11' W.

79.7

Intersect line 2-3 of the Perfect 36 lode of this survey at a point from which Cor. No. 2 bears S. 34° 52' W., 467.9 ft. dist.

722.3

Intersect line 4-5 of the Wilhelmina lode of this survey at a point from which Cor. No. 4 bears S. 62° 54' W., 468.0 ft. dist.

889.6

Intersect line 5-1 of the Wilhelmina lode of this survey at a point from which Cor. No. 5 bears S. 52° 49' W., 100.5 ft. dist.

1405.0

Centers Silver Gulch, 30 feet wide, course southwesterly

Feet	
1450.7	<p>Cor. No. 6</p> <p>Situated on line 4-1 Sur. No. 2858 Congress lode, where I</p> <p>Set an iron pipe 1 inch diameter, with brass cap 3 inches square, 3 feet long set 18 inches in the ground to bed rock for Cor. No. 6, mkd. L38-6-4229; from which</p> <p>A monument of rocks, 3 feet high, 3 feet base, bears southwesterly 3 feet.</p> <p>Sec. The 1/4 Cor. between Secs. 19 and 20, T. 4 S., R. 29 E., G. & S. R. XXXX M. bears S. 63° 54' W., 1751.2 ft. dist., being an iron pipe with brass cap, properly marked as described in the official record.</p> <p>Thence N. 70° 56' E.</p>
215.0	Center Silver Gulch, 30 feet wide, course southwesterly
305.0	Intersect lode line at Original location for the north end center, being a mound of rocks, 3 feet high 3 feet base
610.0	Cor. No. 1, and place of beginning.
	WILHELMINA
	Beginning at Cor. No. 1 of the Wilhelmina lode, where I
	Set an iron pipe, 1 inch diameter, with brass cap, 3 inches square, 3 feet long set 18 inches in the ground to bed rock for Cor. No. 1, mkd. W-1-4229; from which
	A monument of rocks 3 feet high 3 feet base bears northerly 3 feet
	Sec. The 1/4 Cor. between Secs. 17 and 20, T. 4 S., R. 29 E., G. & S. R. XXXX M. bears N. 12° 02' W., 1533.0 ft. dist., previously described.
	Cor. No. 4, Sur. No. 3547 Providencia lode, bears S. 52° 49' W. 796.9 ft. dist.
	Thence S. 62° 54' E.
	Intersect lode line at
326.25	Original location for the east end center, being a mound of rocks, 3 feet high, 3 feet base
345.53	Intersect line 3-4, Sur. No. 3547 Providencia lode at a point from which Cor. No. 4 bears S. 71° 01' W., 996.7 ft. dist.
370.34	Intersect line 1-2 Sur. No. 3547 Apache lode at a point from which Cor. No. 1 bears S. 43° 43' W., 1031.0 ft. dist.
602.1	Cor. No. 2
	Set an iron pipe, 1 inch diameter, with brass cap 3 inches square, 3 feet long, set 24 inches in the ground for cor. No. 2, mkd. W-2-4229; from which
	A monument of rocks, 3 feet high, 3 feet base, bears southwesterly 3 feet. No other bearing objects available
	The original location for the southeast corner, being a monument of rocks, 3 feet high, 3 feet base, bears S. 62° 54' E., 504 ft. dist.
	Cor. No. 3 Perfect 36 lode, this survey, bears S. 56° 59' W. 779.76 ft.

Feet	Cor. No. 1 Sur. No. 3547, Apache lode, bears S. 55° 9' W. 1119.6 ft. dist.
25.00	Thence S. 50° 31' W.
750.2	Cross pipe line, course southeasterly. Intersect line 3-4 of the Perfect 36 lode of this survey at a point from which Cor. No. 3 bears N. 55° 08' W., 91.2 ft. dist.
1088.1	Intersect line 2-3 of the Perfect 36 lode of this survey at a point from which Cor. No. 3 bears N. 34° 52' E., 325.4 ft. dist.
1130.9	Cor. No. 3
	Situated on line 4-1 of Sur. No. 3547 Apache lode at S. 30° 06' E., 91.67 ft. dist. from Cor. No. 1, and on line 3-4 of the Lucky 38 lode of this survey at S. 30° 06' E., 91.67 ft. dist. from Cor. No. 3, where I
	Set an iron pipe with brass cap 3 inches square, 3 feet long, set 24 inches in the ground for Cor. No. 3, mkd. W-3-4229; from which
	A monument of rocks, 3 feet high, 3 foot base, bears southeasterly 3 feet. No other bearings available
	Thence S. 52° 49' W.
348.1	Cor. No. 4
	Set an iron pipe 1 inch diameter, with brass cap 3 inches square, 3 feet long, set 24 inches in the ground for Cor. No. 4 mkd. W-4-4229; from which
	A monument of rocks, 3 feet high, 3 foot base, bears easterly 3 feet. No other bearing objects avail- able.
	Thence N. 62° 54' W.
326.25	Intersect lode line at Original location for the west end center, being a monu- ment of rocks 3 feet high, 3 foot base
468.0	Intersect line 5-6 of the Lucky 38 lode of this survey at a point from which Cor. No. 5 bears S. 30° 11' E., 722.3 ft. dist.
652.5	Cor. No. 5
	Set an iron pipe, 1 inch diameter, with brass cap 3 inches square, 3 feet long set 20 inches in the ground to bed rock for Cor. No. 5 mkd. W-5-4229; from which
	A monument of rocks 4 feet high, 4 foot base, bears northerly 5 feet. No other bearing objects available.
	Thence N. 52° 49' E.
100.5	Intersect line 5-6 of the Lucky 38 lode of this survey at a point from which Cor. No. 5 bears S. 30° 11' E., 889.6 ft. dist.
703.1	Cor. No. 2 of the Lucky 38 lode of this survey, and Cor. No. 4 Sur. No. 3547 Providencia lode
1363.0	Cross pipe line, course southeasterly
1500.0	Cor. No. 1, and place of beginning.

Feet	PERFECT 36
	Beginning at Cor. No. 1 of the Perfect 36 lode, where I Set an iron pipe, 1 inch diameter, with brass cap 3 inches square, 3 feet long, set 24 inches in the ground for Cor. No. 1, mkd. P36-1-4229; from which A monument of rocks, 3 feet high, 3 foot base, bears easterly 3 feet. Cor. No. 4 Sur. No. 2857 Margarita lode bears S. 34° 52' W., 77.3 ft. dist.
	The $\frac{1}{4}$ ^{Sec.} Cor. between Secs. 20 and 29, T. 4 S., R. 29 E., bears S. 6° 17' E., 1517.2 ft. dist., being an iron pipe with brass cap, marked as described in the official record.
	Thence N. 55° 08' W.
79.8	Intersect line 3-4 of the Petite 37 lode of this survey at a point from which Cor. No. 3 bears N. 11° 02' W. 408.9 ft. dist.
300.0	Intersect lode line at Original location for the south end center, being a mound of rocks, 3 feet high, 3 foot base
405.0	Intersect line 2-3 of the Petite 37 lode of this survey, at a point from which Cor. No. 3 bears N. 41° 12' E., 286.3 ft. dist.
600.0	Cor. No. 2 Set an iron pipe, 1 inch diameter, with brass cap 3 inches square, 3 feet long set 24 inches in the ground for Cor. No. 2 mkd. P36-2-4229; from which Cor. No. 3, Petite 37 lode, this survey, bears N. 73° 23' 30" E. 363.75 ft. A Monument of rocks, 3 feet high, 3 foot base, bears southeasterly 3 feet. No other bearing objects available. Thence N. 34° 52' E.
467.9	Intersect line 5-6 of the Lucky 38 lode of this survey, at a point from which Cor. No. 5 bears S. 30° 11' E., 79.7 ft. dist.
1128.0	Intersect line 3-4 of the Lucky 38 lode of this survey, at a point from which Cor. No. 4 bears S. 30° 06' E., 475.6 ft. dist. Also intersect line 4-1. Sur. No. 3547 Apache lode xxxx at a point from which Cor. No. 4 bears S. 30° 06' E., 475.6 ft. dist.
1174.6	Intersect line 2-3 of the Wilhelmina lode of this survey at a point from which Cor. No. 3 bears S. 50° 31' W., 42.8 ft. dist.
1500.0	Cor. No. 3 Set an iron pipe, 1 inch diameter, with brass cap 3 inches square, 3 feet long, 24 inches in the ground for Cor. No. 3 mkd. P36-3-4229; from which A monument of rocks, 3 feet high, 3 foot base, bears southwesterly 3 feet. No other bearing objects available. Thence S. 55° 08' E.

Feet

91.2 Intersect line 2-3 of the Wilhelmina lode of this survey at a point from which Cor. No. 2 bears N. 50° 31' E., 750.2 ft. dist.

300.0 Intersect lode line at original location for the north end center, being a mound of rocks 3 feet high, 3 foot base

520.2 Cor. No. 4 Sur. No. 2857 Norfolk lode, and intersect line 3-4 Sur. No. 3547 Apache lode at a point from which Cor. No. 4 bears S. 43° 43' W., 580.2 ft. dist.

600.0 Cor. No. 4

Set an iron pipe, 1 inch diameter, with brass cap, 3 inches square, 3 feet long, set 24 inches in the ground for Cor. No. 4 mkd. P36-4-4229; from which

A monument of rocks, 3 feet high, 3 foot base, bears easterly 3' ft. No other bearing objects available. Cor. No. 4, Sur. No. 3547 Apache lode identical with Cor. No. 4 Lucky 38 lode, this survey, bears S. 51° 18' W. 597.7 ft. Thence S. 54° 52' W.

77.3 Cor. No. 1 Sur. No. 2857 Margarita lode, and intersect line 3-4 Sur. No. 2857 Norfolk lode at a point from which Cor. No. 4 bears N. 11° 02' W., 111.1 ft. dist.

1500.0 Cor. No. 1 and place of beginning.

PETITE 37

Beginning at Cor. No. 1 of the Petite 37 lode, where I

Set an iron pipe, 1 inch diameter, with brass cap 3 inches square, 3 feet long set 24 inches in the ground for Cor. No. 1 mkd. P37-1-4229; from which

A monument of rocks, 3 feet high, 3 foot base, bears southerly 3 feet.

The 1/4 Sec. between Secs. 20 and 29, T. 4 S., R. 29 E., G. & S. R. M. bears S. 85° 57' E., 1155.4 ft. dist., previously described

Thence N. 11° 02' W.

Intersect lode line at

379.5 Original location for the west end center, being a mound of rocks 3 feet high, 3 foot base

759.0 Cor. No. 2

Set an iron pipe, 1 inch diameter, with brass cap 3 inches square, 3 feet long, set 24 inches in the ground for Cor. No. 2 mkd. P37-2-4229; from which

A monument of rocks 3 feet high, 3 foot base, bears northerly 3 feet.

Thence N. 41° 12' E.

1213.7 Intersect line 1-2 of the Perfect 36 lode of this survey at a point from which Cor. No. 1 bears S. 55° 08' E., 405.0 ft. dist.

1500.0 Cor. No. 3

Set an iron pipe, 1 inch diameter, with brass cap 3 inches square, 3 feet long 24 inches in the ground for Cor. No. 3, mkd. P37-3-4229; from which

MINERAL SURVEY NO. 4229 - ARIZONA.

Feet	<p>A monument of rocks, 3 feet high, 3 foot base, bears easterly 3 ft. No other bearing objects available.</p> <p>Thence S. 11° 02' E.</p> <p>Intersect lode line at</p> <p>379.5 / Original location for the east end center, being a mound of rocks 3 feet high, 3 foot base</p> <p>408.9 Intersect line 1-2 of the Perfect 36 lode of this survey at a point from which Cor. No. 1 bears S. 55° 08' E., 79.8 ft. dist.</p> <p>520.0 Cor. No. 4 Sur. No. 2857 Margarita lode</p> <p>759.0 Cor. No. 4</p> <p>Situated on line 4-3 Sur. No. 2857 Margarita lode, where</p> <p>Set an iron pipe, 1 inch diameter, with brass cap, 3 inches square, 3 feet long, set 24 inches in the ground for Cor. No. 4, mkd. P37-4-4229; from which</p> <p>A diorite ledge 29x31 inches, 19 inches above ground bears S. 50° 30' E., 15.2 ft. dist., mkd. Br x P37-4-4229</p> <p>A monument of rocks, 3 feet high, 3 foot base, bears easterly 3 feet.</p> <p>Thence S. 41° 12' W.</p> <p>1500.0 Cor. No. 1 and place of beginning.</p>
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LODE LINES.

The presumed course of the vein of each of the several lode locations embraced in this survey, counted from the respective points of discovery, is as follows:-

- Lucky 38 lode, N. 30° 11' W., 250 ft.; and, S. 30° 11' E., 1200.7 ft.
- Wilhelmina lode, N. 52° 49' E., 300 ft.; and S. 52° 49' W., 1200 ft.
- Perfect 36 lode, N. 34° 52' E., 820 ft.; and, S. 34° 52' W., 680 ft.
- Petite 37 lode, N. 41° 12' E., 300 ft.; and, S. 41° 12' W., 1200 ft.

Areas.

	Aeres.
Total area, Lucky 38 lode - - - - -	19.924
Area in conflict with	
Wilhelmina lode, this survey - - - - -	6.900
Total area, Wilhelmina lode - - - - -	19.643
Area in conflict with	
Sur. No. 3547 Providencia lode - - - - -	2.848
Sur. No. 3547 Apache lode - - - - -	3.802

	acres
Total area, Perfect 36 lode - - - - -	20.661
Area in conflict with	
Sur. No. 2857 Norfolk lode - - - - -	0.071
Sur. No. 3547 Apache lode - - - - -	5.263
Sur. No. 3547 Apache lode, exclusive of its conflict with the Wilhelmina lode of this survey - - - - -	4.922
Wilhelmina lode of this survey - - - - -	0.341
Lucky 38 lode of this survey - - - - -	3.812
Total area, Petite 37 lode - - - - -	20.661

Area in conflict with	
Perfect 36 lode of this survey - - - - -	1.062

LOCATION.

This survey is located in Lots 4, 8 and 10, Sec. 20, T. 4 S., R. 29 E., G. & S. R. E. & M.

The survey of the Perfect 36 and Petite 37 lodes is identical with the respective locations as marked on the ground. The survey of the Wilhelmina and Perfect 36 lodes is within the locations as marked on the ground as shown on the preliminary plat.

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:-

- No. 1 LUCKY 38. The discovery cut of the Lucky 38 lode, the face of which being the discovery point, is on the lode line 250 ft. from the north end center; 6 ft. wide, 5 ft. face, runs S. 30° E. 10 ft. to face; in bottom of open cut is shaft 4x6 ft., 8 ft. deep. Value \$85.
- No. 2 A shaft, the center of which bears from Cor. No. 1 of the Lucky 38 lode, S. 43° 30' W., 120 ft.; 4x5 ft., 6 ft. deep. Value \$25.
- No. 3 Open cut, the mouth of which bears from Cor. No. 1 of the Lucky 38 lode, S. 46° 00' W., 70 ft., 4 ft. wide, 8 ft. face, runs N. 60° E., 8 ft. to face. Value \$25.
- No. 4 An open cut, the mouth of which bears from Cor. No. 1 of the Lucky 38 lode, S. 15° 45' W., 120 ft.; 5 ft. wide, 12 ft. face, runs S. 20° E., 20 ft. to face and portal of tunnel 4x7 ft. in size, runs S. 20° E., 10 ft. to breast. Value \$220.
- No. 5 An open cut, the mouth of which bears from Cor. No. 1 of the Lucky 38 lode, S 28° 45' E., 232 ft., 4 ft. wide, 10 ft. face, runs S. 10° W., 15 ft. to face and portal of tunnel, 4x7 ft. in size, runs S. 10° W., 22 ft. to breast. Value \$300.
This improvement is in the course of construction for the development of the four lodes of this survey.

- The surface rises rapidly to the south and southwest from the mouth of the open cut and the extension of the present course of the tunnel with the necessary crosscuts, affords the most practical and economical means of developing each of the four lodes of this group at depth.
- An undivided one-fourth interest in this improvement has been allotted to each claim of this survey.
- ~~Value \$75~~
Value of one-fourth interest \$75
- No. 6 An open cut, the mouth of which bears from Cor. No. 5 of the Lucky 38 lode, N. 24° 45' W., 602 ft.; 4 ft. wide, 8 ft. face, runs N. 50° E., 16 ft. to face.
Value \$65
- No. 7 An open cut, the mouth of which bears from Cor. No. 5 of the Lucky 38 lode, N. 26° 20' W., 580 ft.; 5 ft. wide, 6 ft. face, runs N. 50° E., 12 ft. to face.
Value \$50
- No. 8 An open cut, the mouth of which bears from Cor. No. 5 of the Lucky 38 lode, N. 29° 30' W., 583 ft.; 4 ft. wide, 12 ft. face, runs N. 50° E., 18 ft. to face.
Value \$115
- No. 1 The discovery shaft of the Wilhelmina lode, the center of which being the discovery point is on the lode line 300 ft. from the east end center; 4x6 ft., 8 ft. deep
Value \$50
- No. 2 An open cut, the mouth of which bears from point on line 5-1 of the Wilhelmina lode N. 52° 49' E., 1001 ft. from Cor. No. 5, S. 12° 40' E., 200 ft.; 5 ft. wide, 15 ft. face, runs N. 40° E., 28 ft. to face and portal of tunnel, 5x6 ft. in size, and runs N. 40° E., 15 ft. to shaft, 4x6 ft., 83 ft. deep; tunnel 4x6 ft. in size runs N. 80° E., 15 ft. to crosscut 4x6 ft. in size, running North 20 ft. to breast; tunnel runs N. 50° E. 70 ft. to face.
- Of the above improvement, the crosscut 20 ft. long is new work done for the benefit of this claim.
Value \$200
- of the above improvement, the shaft 83 ft. deep is new work and has been done for the benefit of all of the claims of this group. From it drifts can be run to cut the ore deposits of the various claims at depth, The ground rises rapidly to the south and southwest.
Value of shaft \$1860.
Value of 1/4 interest \$465.
- No. 3 An open cut, the mouth of which bears from Cor. No. 1 of the Wilhelmina lode, S. 13° 10' W., 160 ft.; 4 ft. wide 18 ft. face, runs S. 13° W., 25 ft. to face and portal of tunnel, 4x6 ft. in size, running S. 13° W., 61 ft. to breast. Of this improvement, the final 20 feet of the tunnel is new work.
Value \$200.00
- No. 4 A trench, the east side of which bears from Cor. No. 1 of the Wilhelmina lode, S. 15° W., 185 ft.; 3x10 ft., runs S. 30° W., 50 ft. to west end.
Value \$750.
- No. 5 An open cut, the mouth of which bears from point on line 5-1 of the Wilhelmina lode, N. 52° 49' E., 703.1 ft. from Cor. No. 5, S. 29° 15' E., 144 ft.; 6 ft. wide, 5 ft. face, runs S. 47° W., 15 ft. to face; in bottom of open cut is shaft 4 x 6 ft., 10 ft. deep; in shaft is

drift 4x6 ft. in size, running S. 47° W., 15 ft. to breast.

Value \$325

No. 6 An open cut, the mouth of which bears from Cor. No. 5 of the Wilhelmina lode, N. 68° 50' E., 608 ft; 6 ft. wide, 12 ft. face, runs S. 50° W., 12 ft. to face. In bottom of open cut is shaft, 4x6 ft., 17 ft. deep.

Value \$245

No. 7 An open cut, the mouth of which bears from the west end center of the Wilhelmina lode; S. 75° E., 15 ft.; 8 ft. wide, 6 ft. face, runs N. 50° E., 12 ft. to face; in bottom of open cut is shaft 5x8 ft., 8 ft. deep

Value \$160

PERFECT 36

No. 1 The discovery cut of the Perfect 36, the face of which being the discovery point is on the lode line 680 ft., from the south end center; 4 ft. wide, 10 ft. face; runs N. 20° E., 18 ft. to face

Value \$100

PETITE 37

No. 1 The discovery cut of the Petite 37 lode, the face of which being the discovery point is on the lode line 300 ft. from the east end center; 4 ft. wide, 10 ft. face, runs S. 45° E., 12 ft. to face

Value \$50

No. 2 An open cut, the mouth of which bears from the east end center of the Petite 37 lode, S. 30° 30' W., 100 ft.; 4 ft. wide, 12 ft. face, runs East, 25 ft. to face

Value \$150

No. 3 An open cut, the mouth of which bears from the east end center of the Petite 37 lode, S. 52° 15' W., 475 ft., 10 ft. wide, 12 ft. face, runs S. 45° E., 20 ft. to face and portal of tunnel 4x6 ft. in size running S. 45° E., 30 ft. to breast. In bottom of open cut is shaft 5x6 ft., 75 ft. deep.

Of this improvement, the final 10 feet of the tunnel is new work, credited to this claim,

Value \$100

OTHER IMPROVEMENTS

A shaft, 4x5 ft., 6 ft. deep, the center of which bears from the north end center of the Lucky 38, S. 25° 05' E 310 ft.

A shaft, 5x7 ft., 8 ft. deep, the center of which bears from the north end center of the Lucky 38 lode, S. 35° 10' E., 300 ft.

A frame cabin, the SE. corner of which bears S. 37° W. 150 ft. from Cor. No. 1 Lucky 38 lode; 24x28 ft. in size the long side bears N. 37° E. Claimant herein.

A frame shed, the SE. Corner of which bears S. 37° W., 200 ft. from Cor. No. 1 Lucky 38 lode; 10x30 ft. in size, the long side bears S. 37° W.

An open cut and tunnel, open cut 5 ft. wide, 10 ft. face runs S. 70° W., 17 ft. to face and portal of tunnel, 4x6 ft. in size, running S. 70° W. 28 ft. to breast; the mouth of the open cut bears from Cor. No. 1 of the Wilhelmina lode S. 41° 45' W., 632 ft.

A shaft, 4x6 ft., 4 ft. deep, the center of which bears from Cor. No. 1 Wilhelmina lode S. 20° 15' W., 395 ft.

~~OTHER CORNER DESCRIPTIONS.~~

Sur. No. 2858;

Congress lode; Cor. No. 1 is a post properly set and scribed. Cor. No. 4 was a monument of rocks with the bottom of the post remaining. This was removed and replaced with an iron pipe described at Cor. No. 1 of the Lucky 38 lode.

Copper Pig lode; Cor. No. 1 is identical with Cor. No. 4 of the Congress lode, described above.

Sur. No. 3547;

Providencia lode; Cor. No. 1 is identical with Cor. No. 4 Congress and Cor. No. 1 Copper Pig lodes, Sur. No. 2858, described above. Cor. No. 4 was a monument of rock, post missing.

Apache lode; Cor. Nos. 1 and 4 were posts properly set and marked, which were replaced with iron pipes with brass caps, as described at Cors. Nos. 3 and 4 of the Lucky 38 lode. Cors. 2 and 3 are posts properly set and marked.

Sur. No. 2857; Norfolk lode; Cors. 3 and 4 are monuments of rocks, posts missing. Margarita lode; Cors. 1 and 3 are monuments of rocks, posts missing. Cor. No. 4 is a post properly set and scribed.

All lines of the above surveys are correct as approved, except the distance from Cor. No. 4 Norfolk lode, to Cor. 1 Margarita lode, both of Sur. No. 2857, which I find to be 111.1 ft. instead of 110.1 ft.

Cor. No. 1 of the Wilhelmina lode was a post marked N.E. Cor. Game Cock, which was replaced with an iron pipe with brass cap.

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 Ralph L. Motz

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 _____

F. L. SHIRE

known as the WILHELMINA, PERFECT 36, PETITE 37, and LUCKY 38 lodes

and showing the respective capacities in which they acted.

I. A. Welch _____, *Chainman.*

G. De Grazia _____, *Chainman.*

Enrico Tomola _____, *Arman.*

_____, *Flagman.*

FINAL OATHS OF ASSISTANTS

We, I. A. Welch, G. De Grazia

and Enrico Tomola _____, do solemnly swear that we assisted _____

Ralph L. Motz _____, United States Mineral Surveyor, in marking the corners and surveying the boundaries of the mining claim of F. L. SHIRE

known as the WILHELMINA, PERFECT 36, PETITE 37, and LUCKY 38 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

I. A. Welch _____, *Chainman.*

G. De Grazia _____, *Chainman.*

Enrico Tomola _____, *Arman.*

_____, *Flagman.*

Subscribed and sworn to by the above-named persons before me this 8th

day of January, 1940

My Comm. Exp. Dec. 27-1942.
Notary Public
At East Dugg



FINAL OATH OF ~~U.S.~~ MINERAL SURVEYOR, G.L.O.

I, Ralph L. Motz, ~~U.S.~~ Mineral Surveyor, G.L.O.

do solemnly swear that, in pursuance of instructions received from the Office Cadastral Engineer, at Phoenix, Arizona., dated November 22, 1939,

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

F. L. Shire

known as the

Wilhelmina, Perfect 36, Petite 37 and Lucky 38 lodes

situate in Copper Mountain Mining District,

Greenlee County, Arizona

in Section

20, Township No. 4 S., Range No. 29 E.

and designated as Survey No. 4229, 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 improvements 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.

Ralph L. Motz
(~~U.S.~~ Mineral Surveyor) G.L.O.

Ralph L. Motz

Subscribed and sworn to by the said G.L.O.,
~~U.S.~~ Mineral Surveyor, before me

this 9th

day of January, 1940

H. East Rogge
Notary Public

My Comm. Exp. Dec. 27th 1942.

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,

April 15, 1940

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

F. L. Shire

....., known as the

WILHELMINA, PERFECT 36, PETITE 37, and LUCKY 38 lodes

situate in Copper Mountain mining district,

Greenlee County, Arizona

in Section 20, Township No. 4 S., Range No. 29 E.

....., designated as Survey No. 4229

executed by Ralph L. Motz, Mineral

Surveyor, G.L.O., January 28, 1940, under my instructions dated

November 22, 1939, 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.

Shuman B. Fiske
Office Cadastral Engineer.

Mineral Survey No. 4229 - Arizona.

Supplemental Report.

The Wilhelmina lode mining claim of this survey is identical with the location of the Game Cock lode as shown on the plat of Mineral Survey No. 3547, and is a relocation of said Game Cock lode. In the survey of the Wilhelmina lode I found the original corners of the Game Cock lode, Cor. No. 1 of said Wilhelmina being identical with the northwest corner of the Game Cock lode which was a 4x4 inch post marked and was replaced with an iron pipe with brass cap. Cor. No. 2 was identical with the southeast corner of the Game Cock lode, also found to be a 4x4 post. The same was also true of the other corners of the Wilhelmina lode.

The areas in conflict of Survey No. 4229 Wilhelmina lode with Survey No. 3547 Providencia and Apache lodes are identical with the tracts excluded from Mineral Survey No. 3547 in conflict with the unsurveyed Game Cock lode. Said Game Cock lode was abandoned and later relocated as the Wilhelmina lode.

Ralph L. Moz
Mineral Surveyor.

February 21, 1951



Mineral Survey No. 4229 - Arizona

Supplemental Field Notes

TRACT A

That portion of Sur. No. 3547, Providencia lode, in conflict with the Wilhelmina lode of this survey, excluded by said Providencia lode in favor of the Game Cock lode, unsurveyed, is bounded and described as follows:

Beginning at Cor. No. 4, Sur. No. 3547, Providencia lode identical with Cor. No. 2, Lucky 38 lode of this survey and on line 5-1, Wilhelmina lode,

Thence N.52°49'E., 796.9 ft., Cor. No. 1, Wilhelmina lode;
Thence S.62°54'E., 345.53 ft. to line 3-4, Providencia lode;
Thence S.71°01'W., 996.7 ft. to Cor. No. 4, Providencia lode and place of beginning.

Tract A contains 2.848 acres.

TRACT B

That portion of Sur. No. 3547, Apache lode, in conflict with the Wilhelmina lode of this survey, excluded by said Apache lode, in favor of the Game Cock lode, unsurveyed, is bounded and described as follows:

Beginning at Cor. No. 3 of the Lucky 38 lode, identical Cor. No. 1, Sur. No. 3547, Apache lode; Thence

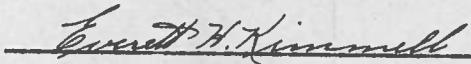
N.43°43'E., 1031. ft. to line 1-2, Wilhelmina lode;
S.62°54'E., 231.76 ft. to Cor. No. 2, Wilhelmina lode;
S.50°31'W., 1130.9 ft., Cor. No. 3, Wilhelmina lode and on line 3-4, Lucky 38 lode;
N.30°06'W., 91.67 ft. to Cor. No. 1, Apache lode and place of beginning.

Tract B contains 3.802 acres.

Tract B exclusive of its conflict with Perfect 36 lode of this survey, contains 3.461 acres.

Albuquerque, New Mexico
March 1, 1951

I hereby certify that the foregoing supplemental field notes of Mineral Survey No. 4229, Wilhelmina lode, have been prepared in accordance with instructions contained in Director's Memorandum Phoenix 079717, dated Feb. 9, 1951.


Acting Office Cadastral Eng.