

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4492 Amd.

Arizona Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

Banner Mining Company

Known As The

Arizona, Arizona No.s, 162, Arizona Butte, Minnetonka and Minnehaha Falls
lodes

Pima Mining District,

Pima County, Arizona

Section 1, 6, & 36, Township 17 & 18S, Range 12 & 13E, G.&S.R.B.&M.
May 20, 1959

Surveyed under order dated July 12, Amd., 1960

by Harvey W. Smith
Mineral Surveyor.

Claim located See reverse side, 19

Survey commenced May 20, 1959

Survey completed August 30, 1960

Address of claimant

DATES OF AMENDED LOCATIONS

See reverse side

<u>Name of Location</u>	<u>Located</u>	<u>Date Recorded</u>	<u>Amended</u>	<u>Amended Recording</u>
Arizona	7-1-38	9-28-38	9-14-59	10-29-59
Arizona No.1	7-1-38	9-28-38	8-18-50	10-2-50
Arizona No.2	7-1-38	9-28-38	8-18-50	10-2-50
Arizona Butte	7-1-38	9-28-38	8-15-50	10-2-50
Minnetonka	8-1-03	9-12-03	9-14-59	10-29-59
Minnehaha Falls	8-1-03	9-12-03	9-14-59	10-29-59

SURVEY NO. 4492

(1)

Chains

Feet

This survey was made with a C.L. Berger & Sons transit No. 15045, with horizontal limb $\frac{1}{2}$ ins. diam., having two double opposite verniers and full vertical circle, 5 ins. diam., with one double vernier; the verniers read to one minute of arc. The instrument is equipped with an eye shade with a colored disc 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 the following direct observation on the sun: At 8:30 AM. on June 13, 1959 at Cor. No. 3 of the Minnehaha Falls lode, latitude $31^{\circ} 53' 04''$ N., longitude $111^{\circ} 03' 37''$ W.; turning from a reference point about 300 ft. south-east clockwise to the sun in an east direction.

True bearing of reference pt.

S. $77^{\circ} 50'$ E.

The lines were measured with a Lufkin steel tape, 300 ft. in length graduated every foot 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 declinations observed at each corner of the survey gave a uniform value of $13^{\circ} 30'$ E.

SURVEY NO. 4489

ARIZONA LODGE

At Cor. No. 1 of the Arizona lode.

Set a galvanized iron post, 18 ins. long, $\frac{3}{4}$ in. diam., in a 15 pound concrete and rock base, 12 ins. in the ground, with a brass cap, 2 ins. diam., firmly fastened within the iron pipe mkd. MS 4492 A 1 X; from which

The S. $\frac{1}{2}$ cor. sec. 1, T. 18S., R. 12E., G. & S. R. 36M., bears S. $3^{\circ} 55'$ W., 417.41 ft. dist.; a stone 6x8 ins., 5 ins. above ground marked and witnessed as described in the official record.

Cor. No. 1, Arizona No. 2 lode of this survey, bears S. $69^{\circ} 48'$ W., 1134.67 ft. dist.

Cor. No. 3, Arizona No. 2 lode of this survey, bears N. $57^{\circ} 40'$ E., 301.72 ft. dist.

A mound of stones constructed adjacent to the iron post.

Chains
Feet

Thence N. 5° 36' E. and
 80.0 Lode line; discovery pt. bears N. 89° 04' 30" E., 60.0 ft.
 158.33 Cor. No. 2, identical with Cor. No. 4, Arizona Butte lode
 of this survey and Cor. No. 3, Copper Butte lode, Sur.
 No. 2643.
 Found a stone properly marked and witnessed as described
 in the official record. Replace stone with a galvaniz-
 ed iron post, 18 ins. long, 3/4 in. diam., set in a
 15 pound concrete and rock base, 12 ins. in the ground
 with a brass cap, 2 ins. diam., firmly fastened within
 the iron pipe mkd. MS 4492 A 2 AB-4 MS 2643 CB3 X;
 from which
 A mound of stones constructed adjacent
 to the iron post.
 Thence N. 89° 0' E.
 199.15 Intersect line 2-3, Arizona No. 2 lode of this survey.
 413.55 Intersect line 2-3, Minnetonka lode of this survey.
 423.24 Cor. No. 3, on line 2-3 Sur. No. 2643 Copper Butte lode.
 Set a galvanized iron post, 18 ins. long, 3/4 in. diam.,
 in a 15 pound concrete and rock base, 12 ins. in the
 ground, with a brass cap, 2 ins. diam., firmly fasten-
 ed within the iron post mkd. MS 4492 A 3 X; from which
 A mound of stones constructed adjacent
 to the iron post.
 Thence S. 5° 36' W.
 78.93 Lode line; discovery pt. bears S. 89° 04' 30" W., 363.18 ft.
 dist.
 158.93 Cor. No. 4.
 Set a galvanized iron post, 18 ins. long, 3/4 in. diam.,
 in a 15 pound concrete and rock base, 12 ins. in the
 ground, with a brass cap, 2 ins. diam., firmly fasten-
 ed within the iron post mkd. MS 4492 A 4 X; from which
 A mound of stones constructed adjacent
 to the iron post.
 Thence S. 89° 04' 30" W.
 169.99 Intersect line 1-2 of the Minnetonka lode, identical with
 line 3-4 of the Arizona No. 2 lode, both of this survey.
 423.18 Cor. No. 1 and place of beginning.

Chains Feet	Description
	ARIZONA NO.1 LODE
	At Cor. No.1 of the Arizona No.1 lode.
	Set a galvanized iron post, 18 ins. long, 3/4 in. diam., in a 15 pound concrete and rock base, 12 ins. in the ground, with a brass cap, 2 ins. diam., firmly fastened within the iron post, mkd. MS 4492 A 1 1 X; from which
	The S. 1/4 cor., sec.1, T.18S., R.12E., G.& S.R.B.&M., bears S.5°59'30"W., 4,307.82 ft. dist.; previously described.
	A mound of stones constructed adjacent to the iron post.
	Thence N.20°53'E.
149.08	Intersect line 4-1 of the Arizona No.2 lode of this survey.
300.0	Lode line; discovery pt. bears S.84°28'30"E.; 999.38 ft. dist.
366.62	Cor. No.2, identical with Cor. No.1 of the Minnetonka lode and on line 3-4, Arizona No.2 lode both of this survey.
	Set a galvanized iron post, 18 ins. long, 3/4 in. diam., in a 15 pound concrete and rock base, 12 ins. in the ground, with a brass cap, 2 ins. diam., firmly fastened within the iron post, mkd. MS 4492 A1-2 M 1 X; from which
	A mound of stones constructed adjacent to the iron post.
	The S. 1/4 cor., sec.1, T.18S., R.12E., G.& S.R.B.&M., bears S.7°09'W., 4,663.07 ft. dist.; previously described.
	Cor. No.2, Sur.2643, Copper Butte lode bears N.73°35'30"E., 1283.44 ft. dist.
	Thence S.84°28'30"E.
1407.69	Cor. No.4, Minnetonka lode identical with Cor. No.1, Minnehaha Falls lode, both of this survey.
1499.38	Cor. No.3.
	Set a galvanized iron post, 18 ins. long, 3/4 in. diam., in a 15 pound concrete and rock base, 12 ins. in the ground, with a brass cap, 2 ins. diam., firmly fastened within the iron post, mkd. MS 4492 A 1 3 X; from which
	A mound of stones constructed adjacent to the iron post.

Chains	Feet	
		Thence S. 20° 53' W.
22.10		Intersect line 4-1, Minnehaha Falls lode of this survey.
66.62		Lode line; discovery pt. bears N. 84° 28' 30" W., 500.0 ft. dist.
366.62		Cor. No. 4. Set a galvanized iron post, 18 ins. long, 3/4 in. diam., in a 15 pound concrete and rock base, 12 ins. in the ground; with a brass cap, 2 ins. diam., firmly fastened within the iron post mkd. MS 4492 A 1 4 X; from which A mound of stones constructed adjacent to the iron post.
		Thence N. 84° 28' 30" W.
1499.38		Cor. No. 1 and place of beginning
ARIZONA NO. 2 LODE		
		At cor. No. 1, Arizona No. 2 lode. Set a galvanized iron post, 18 ins. long, 3/4 in. diam., in a 15 pound concrete and rock base, 12 ins. in the ground; with a brass cap, 2 ins. diam., firmly fastened within the iron post mkd. MS 4492 A 2 1 X; from which A mound of stones constructed adjacent to the iron post. The S. 1/2 cor. sec. 1, T. 18 S., R. 12 E., G. & S. R. B. & M. bears S. 9° 27' 30" E., 4,475.20 ft. dist.; previously described. A mound of stones constructed adjacent to the iron post.
		Thence N. 0° 39' E.
300.0		Lode line; discovery pt. bears N. 89° 34' 30" E., 983.72 ft. dist.
541.73		Intersect line 4-1, Arizona Butte lode, of this survey.
543.45		Cor. No. 2. Set a galvanized iron post, 18 ins. long, 3/4 in. diam., in a 15 pound concrete and rock base, 12 ins. in the ground; with a brass cap, 2 ins. diam., firmly fastened within the iron post mkd. MS 4492 A 2 2 X; from which A mound of stones constructed adjacent to the iron post.

Chains
Feet

- A bearing marker, a cement slab 12 ins. diam., 5 ins. thick, 4 ins. in the ground bears N. 34° 30' 30" W., 25.16 ft. dist., mkd. 4492 A 2 2 BM K.
- A mound of stones constructed adjacent to the iron post.
Thence N. 89° 34' 30" E.
- 1074.53 Intersect line 3-4, Arizona Butte lode of this survey; common with line 3-4, Sur. No. 2643 Copper Butte lode; Cor. No. 3 Copper Butte lode, Sur. 2643, bears S. 7° 13' W., 2002 ft. dist.
- 1273.33 Intersect line 2-3, Arizona lode of this survey, common with line 2-3, Copper Butte lode, Sur. 2643; Cor. No. 3, Copper Butte lode, Sur. No. 2643 bears S. 89° W., 199.15 ft. dist.
- 1313.72 A mound of stones constructed adjacent to Cor. No. 3 identical with Cor. No. 2, Minnetonka lode of this survey.
Thence N. 7° 13' E.
- Set a galvanized iron post 18 ins. long, 3/4 in. diam., in a 15 pound concrete and rock base, 12 ins. in the ground, with a brass cap, 2 ins. diam., firmly fastened within the iron post mkd. MS 4492 A 2 3 M 2 X; from which
A mound of stones constructed adjacent to the iron post.
Thence S. 0° 39' W.
- 157.31 Intersect line 4-1, Arizona lode of this survey.
- 243.45 Lode line; discovery pt. bears S. 89° 34' 30" W., 330.0 ft. dist.
- 340.74 Cor. No. 1, Minnetonka lode identical with Cor. No. 2, Arizona No. 1 lode, both of this survey.
Found stone properly set, mkd. and witnessed as described in the official record; replace stone with iron post, 18 ins. long, 3/4 in. diam., in a concrete and rock base, 12 ins. in the ground, with a brass cap, 2 ins. diam., firmly fastened within the iron post, mkd. MS 4492 A 2 4 X; from which
A mound of stones constructed adjacent to the iron post.
Thence S. 89° 34' 30" W.

Chains Feet	
75.25	Intersect line 1-2, Arizona No.1 lode of this survey.
1313.72	Cor. No.1 and place of beginning.
<p>ARIZONA BUTTE LODGE</p>	
<p>At Cor. No.1 of the Arizona Butte lode.</p>	
<p>Set a galvanized iron post 18-ins. long, 3/4 in. diam., in a 15 pound concrete and rock base, 12 ins. in the ground with a brass cap, 2 ins. diam., firmly fastened within the iron post, mkd. MS 4492 AB 1 X; from which</p>	
<p>The S. 1/2 cor. sec. 1, T. 18S., R. 12E., C. & S. R. B. & M., bears S. 13° 05' 30" E., 5,085.12 ft. dist; previously described.</p>	
<p>A mound of stones constructed adjacent to the iron post.</p>	
<p>Thence N. 7° 13' E.</p>	
300.0	Lode line; discovery pt. bears N. 89° 35' E., 1347.84 ft. dist.
601.73	Cor. No.2
<p>Set a galvanized iron post 18 ins. long, 3/4 in. diam., in a 15 pound concrete and rock base, 12 ins. in the ground with a brass cap, 2 ins. diam., firmly fastened within the iron post, mkd. MS 4492 A B 2 X; from which</p>	
<p>A mound of stones constructed adjacent to the iron post.</p>	
<p>Thence N. 89° 40' E.</p>	
1496.84	Cor. No.3, identical with Cor. No.4, Copper Butte lode, Sur. No. 2643.
<p>Found stone properly set, mkd., and witnessed as described in the official record; replace stone with galvanized iron post, 18 ins. long, 3/4 in. diam., in a 15 pound concrete and rock base, 12 ins. in the ground, with a brass cap, 2 ins. diam., firmly fastened within the iron post, mkd. MS 4492-A B 3 MS 2643 C B 4 X; from which</p>	
<p>A mound of stones constructed adjacent to the iron post.</p>	
<p>Thence S. 7° 13' W.</p>	

SURVEY NO. 4492

(8)

(7)

Chains
Feet

299.67 Lode line; discovery pt. bears S. 89° 35' W., 150.0 ft. dist.

597.65 Intersect line 2-3, Arizona No. 2 lode of this survey.

599.67 Cor. No. 4 identical with Cor. No. 2; Arizona lode of this survey and Cor. No. 3, Copper Butte lode; Sur. No. 2643; previously described.

1074.23 Intersect line 1-2, Arizona No. 2 lode of this survey.

1497.15 Cor. No. 1 and place of beginning.

MINNETONKA LODGE

Beginning at Cor. No. 1 of the Minnetonka lode, identical with Cor. No. 2, Arizona No. 1 lode, of this survey; previously described.

136.68 Lode line; discovery pt. bears N. 88° 52' E., 310.0 ft. dist.

183.43 Intersect line 4-1, Arizona lode of this survey.

340.74 Cor. No. 2 identical with Cor. No. 3, Arizona No. 2 lode of this survey; previously described.

MINNEHABA FALLS LODGE

174.02 Intersect line 2-3, Arizona lode of this survey, a common line with line 2-3, Copper Butte lode, Sur. 2643.

1227.87 Intersect line 1-2, Copper Butte lode, identical with line 3-4, Copper King lode, both of Sur. No. 2643, at a point from which Cor. No. 2 of the Copper Butte lode, identical with Cor. No. 3 of the Copper King lode bears S. 70° 04' W., 2.48 ft. dist.

1403.29 Cor. No. 3 identical with Cor. No. 2, Minnehaba Falls lode of this survey.

Set a galvanized iron post, 18 ins. long, 3/4 in. diam., in a 15 pound concrete and rock base, 12 ins. in the ground, with a brass cap, 2 ins. diam., firmly fastened within the iron post; mkd. MS 4492 M 3 MF 2 X; from which

A mound of stones constructed adjacent to the iron post.

Chains Feet	
	Thence S. 0° 39' W.
51.97	Intersect line 2-3, Sur. No. 2643, Copper King lode, at a point from which Cor. No. 3 bears N. 75° 16' 30" W., 181.04 ft. dist.
204.06	Lode line; discovery pt. bears S. 88° 52' W., 1093.29 ft. dist.
504.06	Cor. No. 4 identical with Cor. No. 1, Minnehaha Falls lode and on line 2-3 of the Arizona No. 1 lode both of this survey. Set a galvanized iron post, 18 ins. long, 3/4 in. diam., in a 15 pound concrete and rock base, 12 ins. in the ground, with a brass cap, 2 ins. diam., firmly fastened within the iron post mkd. MS 4492 M 4 MF 1 X; from which The S. 1/4 cor. sec. 1, T. 18S., R. 12E., G. & S. R. B. & M., bears S. 23° 48' 30" W., 4,908.99 ft. dist.; previously described.
	Cor. No. 2, Sur. 2643, Copper King lode bears N. 84° 20' 30" E., 1258.63 ft. dist.
	Thence N. 84° 28' 30" W.
1407.69	Cor. No. 1 and place of beginning.
MINNEHAHA FALLS LODE	
	Beginning at Cor. No. 1 of the Minnehaha Falls lode, identical with Cor. No. 4, Minnetonka lode of this survey; previously described.
	Thence N. 0° 39' E.
204.06	Lode line; discovery pt. bears S. 73° 40' 30" E., 1263.31 ft. dist.
452.09	Intersect line 2-3, Sur No. 2643, Copper King lode, at a pt. from which Cor. No. 2 bears S. 75° 16' 30" E., 1,289.76 ft. dist.
504.06	Cor. No. 2 identical with Cor. No. 3, Minnetonka lode of this survey, previously described. Thence S. 73° 40' 30" E.
1300.98	Intersect line 1-2, Copper King lode common with line 1-2 Copper Queen lode, both of Sur. 2643 at a pt. from which Cor. No. 2 for both lodes bears S. 7° 04' W., 14.34 ft. dist.

SURVEY NO. 4492

(9)

Chains	Feet	
1488.31		Cor. No.3, Set a galvanized iron post, 18 ins. long, 3/4 in. diam., in a 15 pound concrete and rock base, 12 ins. in the ground, with a brass cap, 2 ins. diam., firmly fastened within the iron post mkd. MS 4492 MF 3 X; from which A mound of stones constructed adjacent to the iron post. Thence S. 0° 39' W.
42.24		Intersect line 2-3, Sur. No. 2643, Copper Queen lode at a pt. from which Cor. No. 2 bears N. 65° 59' W., 198.22 ft. dist.
300.0		Lode line; discovery pt. bears N. 73° 40' 30" W., 225.0 ft. dist.
590.22		Cor. No. 4. Set a galvanized iron post, 18 ins. long, 3/4 in. diam., in a 15 pound concrete and rock base, 12 ins. in the ground, with a brass cap, 2 ins. diam., firmly fastened within the iron post mkd. MS 4492 MF 4 X; from which A mound of stones constructed adjacent to the iron post. Thence N. 70° 32' W.
1425.44		Intersect line 3-4, Arizona No. 1 lode of this survey.
1513.88		Cor. No. 1 and place of beginning.

SURVEY NO. 4492

AREAS

	Acres
Total area Arizona lode	1.531
Area in conflict with Minnetonka lode of this survey	0.640
Total area Arizona No. 1 lode	12.169
Area in conflict with Minnehaha Falls lode of this survey	0.022

Chain
Feet

Acres

Total area Arizona No.2 lode 16.387

Area in conflict with

Arizona lode of this survey 0.891

Arizona No.1 lode of this survey 0.175

Sur.2643; Copper Butte lode 0.005

Arizona Butte lode of this survey 0.048

Total area Arizona Butte lode 20.463

Total area Minnetonka lode 13.601

Area in conflict with

Sur.2643; Copper King lode 0.110

Sur.2643; Copper Butte lode 0.030

Total area Minnehaha Falls lode 17.999

Area in conflict with

Sur.2643; Copper Queen lode 0.119

Sur.2643; Copper King lode 0.958

LOCATION

This survey is located in the S.E. 1/4 & S.W. 1/4, sec.36, T.17S., R.12E.; the N.W. 1/4 & N.E. 1/4, sec.1, T.18S., R.12E.; and N.W. 1/4, sec.6, T.18S., R.13E. of the G.S.R. & M.

The survey of these lodes, Arizona, Arizona Nos.1&2, Arizona Butte, Minnetonka and Minnehaha Falls is identical with the respective location or amended location as marked on the ground.

SURVEY NO. 4492

AREAS

Acres

1.23

0.44

12.16

0.02

Total area Arizona lode

Area in conflict with

Minnetonka lode of this survey

Total area Arizona No.1 lode

Area in conflict with

Minnehaha Falls lode of this survey

SURVEY NO. 4492

(11)

Chains

Feet

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 cut of the Arizona lode is on the lode line 60 ft. from a pt. on line 1-2, 80.0 ft. from Cor. No. 1; an open pit 3x30 ft., 3 ft. deep.
Value, \$125.00
- No. 2 A pit, the S.W. cor. of which bears N.32°30'E., 120 ft. dist. from Cor. No. 1 of the Arizona lode; 7x8 ft., 8 ft. deep.
Value, \$175.
- No. 3 A pit, the S.W. cor. of which bears N.13°30'E., 100 ft. dist. from Cor. No. 1 of the Arizona lode; 5x20 ft., 5 ft. deep.
Value, \$200.
- No. 1 The discovery cut of the Arizona No. 1 lode is on the lode line 999.38 ft. from a pt. on line 1-2, 300.0 ft. from Cor. No. 1; 15x15 ft., 10 ft. deep.
Value, \$350.
- No. 2 A pit, the S.E. cor. of which bears N.41°W., 410 ft. dist. from Cor. No. 4, Arizona No. 1 lode; 6x6 ft., 3 ft. deep.
Value, \$40.
- No. 3 A pit, the S.E. cor. of which bears N.43°30'W., 440 ft. dist. from Cor. No. 4, Arizona No. 1 lode; 8x6 ft., 3 ft. deep.
Value, \$50.
- No. 4 A pit, the S.E. cor. of which bears N.45°30'W., 480 ft. dist. from Cor. No. 4, Arizona No. 1 lode; 8x8 ft., 4 ft. deep.
Value, \$50.
- No. 5 A pit, the S.E. cor. of which bears N.44°30'W., 478 ft. dist. from Cor. No. 4, Arizona No. 1 lode; 8x6 ft., 4 ft. deep.
Value, \$50.
- No. 6 A pit, the S.E. cor. of which bears N.49°W., 505 ft. from Cor. No. 4, Arizona No. 1 lode; 8x8 ft., 5 ft. deep.
Value, \$60.
- No. 7 A pit, the S.E. cor. of which bears N.59°W., 645 ft. dist. from Cor. No. 4, Arizona No. 1 lode; 5x10 ft., 4 ft. deep.
Value, \$50.

Chains Feet		Chains Feet
No. 8	A pit, the S.E. cor. of which bears N.56°30'W., 660 ft. dist. from Cor. No. 4, Arizona No. 1 lode; 4x20 ft., 7 ft. deep. Value, \$150.	
No. 9	A pit, the S.W. cor. of which bears N.29°30'E., 345 ft. dist. from Cor. No. 1, Arizona No. 1 lode; 6x6 ft., 4 ft. deep. Value, \$40.	
No. 10	A pit, the S.W. cor. of which bears N.44°E., 380 ft. dist. from Cor. No. 1, Arizona No. 1 lode; 5x7 ft., 5 ft. deep. Value, \$50.	
No. 1	The discovery cut of the Arizona No. 2 lode is on the lode line 330 ft. from a pt. on line 3-4, 243.45 ft. from Cor. No. 3; 9x40 ft., 7 ft. deep. Value, \$325.	
No. 2	A shaft, the S.W. cor. of which bears N.34°30'E., 380 ft. dist. from Cor. No. 1 of the Arizona No. 2 lode; 8x8 ft. 40 ft. deep. Value, \$1500.	
No. 3	A pit, the S.W. cor. of which bears N.46°30'E., 487 ft. dist. from Cor. No. 1, Arizona No. 2 lode; 7x10 ft., 7 ft. deep. Value, \$175.	
No. 4	A pit, the S.W. cor. of which bears N.54°E., 730 ft. dist. from Cor. No. 1, Arizona No. 2 lode; 8x8 ft., 6 ft. deep. Value, \$150.	
No. 5	A pit, the S.W. cor. of which bears N.55°E., 770 ft. from Cor. No. 1, Arizona No. 2 lode; 6x8 ft., 5 ft. deep. Value, \$125.	
No. 6	A timbered shaft, the S.W. cor. of which bears N.57°30'E., 795 ft. dist. from Cor. No. 1, Arizona No. 2 lode; 6x9 ft., 200 ft. deep. Value, \$10,000.	
No. 7	A diamond drill hole, No. 153, which bears S.85°16'W., 327.49 ft. dist. from Cor. No. 3, Arizona No. 2 lode; 17/8 ins. diam., 581 ft. deep. Value, \$4,000.	

SURVEY NO. 4492

(13)

Chains
Feet

No. 1 The discovery cut of the Arizona Butte lode is on the lode line 150 ft. from apt. on line 3-4, 299.87 ft. from Cor. No. 3; a pit, 9x10 ft., 8 ft. deep.

Value, \$250.

No. 2 A pit, the S.E. cor. of which bears N. 85° 30' W., 215 ft. from Cor. No. 4, Arizona Butte lode; 7x8 ft., 7 ft. deep.

Value, \$150.

No. 3 A pit, the S.E. cor. of which bears N. 46° 30' W., 80 ft. dist. from Cor. No. 4, Arizona Butte lode; 10x10 ft., 10 ft. deep.

Value, \$300.

No. 4 A pit, the S.E. cor. of which bears N. 35° 30' W., 70 ft. dist. from Cor. No. 4, Arizona Butte lode; 10x10 ft., 10 ft. deep.

Value, \$300.

No. 5 A pit, the east end of which bears N. 18° 30' W., 142 ft. dist. from Cor. No. 4, Arizona Butte lode; 4x30 ft., 7 ft. deep.

Value, \$200.

No. 6 A pit, the S.E. cor. of which bears N. 8° 30' W., 268 ft. from Cor. No. 4, Arizona Butte lode; 8x10 ft., 10 ft. deep.

Value, \$250.

No. 7 A pit, the S.E. cor. of which bears N. 9° 30' W., 280 ft. dist. from Cor. No. 4, Arizona Butte lode; 6x10 ft., 8 ft. deep.

Value, \$175.

No. 8 A manway shaft, the S.E. cor. of which bears N. 17° 30' W., 285 ft. dist. from Cor. No. 4, Arizona Butte lode; 5x5 ft., 75 ft. deep.

Value, \$1500.

No. 9 A shaft, the S.E. cor. of which bears N. 16° W., 300 ft. dist. from Cor. No. 4, Arizona Butte lode; 8x10 ft., 30 ft. deep.

Value, \$1000.

No. 10 A timbered shaft, the S.E. cor. of which bears N. 33° W., 332 ft. from Cor. No. 4, Arizona Butte lode; 6x8 ft., 200 ft. deep.

Value, \$15,000.

No. 11 A pit, the S.E. cor. of which bears N. 39° W., 375 ft. from Cor. No. 4, Arizona Butte lode; 70x70 ft., 30 ft. deep.

Value, \$2,000.

Chains
Feet

- No. 1 The discovery monument of the Minnetonka lode is on the lode line 310 ft. from a pt. on line 1-2, 136.68 ft. from Cor. No. 1, Value, None
- No. 2 A trench, the east end of which bears N. 73° 30' W., 622 ft. from Cor. No. 4, Minnetonka lode; 8 ft. wide, 3 ft. deep and running S. 72° W., 150 ft. Value, \$150.
- No. 3 A pit, the S.E. cor. of which bears N. 58° 30' W., 700 ft. dist. from Cor. No. 4, Minnetonka lode; 5x6 ft. 8 ft. deep. Value, \$150.
- No. 4 A pit, the S.E. cor. of which bears N. 58° 30' W., 685 ft. dist. from Cor. No. 4, Minnetonka lode; 5x12 ft., 6 ft. deep. Value, \$200.
- No. 5 A pit, the S.E. cor. of which bears N. 60° 30' W., 685 ft. dist. from Cor. No. 4, Minnetonka lode; 5x6 ft., 7 ft. deep. Value, \$140.
- No. 6 A pit, the S.E. cor. of which bears N. 62° W., 720 ft. dist. from Cor. No. 4, Minnetonka lode; 4x6 ft., 9 ft. deep. Value, \$175.
- No. 7 A pit, the S.E. cor. of which bears N. 61° W., 720 ft. dist. from Cor. No. 4, Minnetonka lode; 4x5 ft., 9 ft. deep. Value, \$150.
- No. 8 A pit, the S.W. cor. of which bears N. 62° 30' E., 347 ft. dist. from Cor. No. 1, Minnetonka lode; 5x8 ft. 9 ft. deep. Value, \$200.
- No. 9 A shaft, the S.W. cor. of which bears N. 53° E., 260 ft. dist. from Cor. No. 1, Minnetonka lode; 5x7 ft., 40 ft. deep. Value, \$2,000.
- No. 10 A pit, the S.W. cor. of which bears N. 28° E., 140 ft. dist. from Cor. No. 1, Minnetonka lode; 5x7 ft., 10 ft. deep. Value, \$250.
- No. 11 A pit, the S.W. cor. of which bears N. 73° 30' E., 812 ft. dist. from Cor. No. 1, Minnetonka lode; 4x5 ft., 9 ft. deep. Value, \$175.

Chains Feet			Feet
No. 1	The discovery monument of the Minnehaha Falls lode is on the lode line, 225 ft. from a pt. on line 3-4, 300 ft. from Cor. No. 3, west and running west.		Value, None.
No. 2	A pit, the S.W. cor. of which bears east, 290 ft. from Cor. No. 1, Minnehaha Falls lode; 6x8 ft., 10 ft. deep.		Value, \$225.
No. 3	A pit, the S.W. cor. of which bears N. 84° 30' E., 350 ft. from Cor. No. 1, Minnehaha Falls lode; 5x10 ft., 7 ft. deep.		Value, \$150.
No. 4	A pit, the S.W. cor. of which bears N. 83° E., 362 ft. dist. from Cor. No. 1, Minnehaha Falls lode; 5x9 ft., 6 ft. deep.		Value, \$135.
No. 5	A pit, the S.W. cor. of which bears N. 81° E., 370 ft. dist. from Cor. No. 1, Minnehaha Falls lode; 5x12 ft., 7 ft. deep.		Value, \$175.
No. 6	A pit, the S.W. cor. of which bears N. 82° 30' E., 380 ft. dist. from Cor. No. 1, Minnehaha Falls lode; 6x14 ft., 7 ft. deep.		Value, \$175.
No. 7	A pit, the north end of which bears N. 85° E., 385 ft. dist. from Cor. No. 1, Minnehaha Falls lode; 4 ft. wide, 5 ft. deep and running south 70 ft.		Value, \$250.
No. 8	A pit, the S.W. cor. of which bears N. 85° E., 395 ft. dist. from Cor. No. 1, Minnehaha Falls lode; 5x12 ft., 7 ft. deep.		Value, \$175.
No. 9	A pit, the S.E. cor. of which bears N. 68° 30' W., 727 ft. dist. from Cor. No. 4, Minnehaha Falls lode; 4x20 ft., 6 ft. deep.		Value, \$250.
No. 10	A pit, the S.E. cor. of which bears N. 67° 30' W., 740 ft. dist. from Cor. No. 4, Minnehaha Falls lode; 4x18 ft., 6 ft. deep.		Value, \$225.
No. 11	A diamond drill hole No. 6 which bears S. 77° 20' E., 790.57 ft. from Cor. No. 1, Minnehaha Falls lode; 1778 ins. diam.; 630 ft. deep.		Value, \$5,000.

Chains
Feet

Feet

No. 12 A pit, the east end of which bears N. 31° W., 495 ft. dist. from Cor. No. 4, Minnehaha Falls lode; 5 ft. wide, 7 ft. deep and running west. 50 ft.

Value, \$250.

No. 13 A shaft, the S.E. cor. of which bears N. 28° W., 515 ft. dist. from Cor. No. 4, Minnehaha Falls lode; 5x6 ft., 30 ft. deep.

Value, \$1,000.

No. 14 A pit, the S.E. cor. of which bears N. 25° 30' W., 555 ft. dist. from Cor. No. 4, Minnehaha Falls lode; 6x8 ft., 12 ft. deep.

Value, \$500.

No. 15 A pit, the S.E. cor. of which bears N. 62° 30' W., 465 ft. dist. from Cor. No. 4, Minnehaha Falls lode; 5x20 ft., 5 ft. deep.

Value, \$200.

No. 16 A pit, the S.E. cor. of which bears N. 66° W., 480 ft. dist. from Cor. No. 4, Minnehaha Falls lode; 4x10 ft., 6 ft. deep.

Value, \$125.

No. 17 A shaft, the S.E. cor. of which bears N. 27° 30' W., 465 ft. dist. from Cor. No. 4, Minnehaha Falls lode; 5x6 ft., 50 ft. deep.

Value, \$2,000.

No. 18 A pit, the S.E. cor. of which bears N. 41° 30' W., 747 ft. dist. from Cor. No. 4, Minnehaha Falls lode; 6x7 ft., 15 ft. deep.

Value, \$400.

OTHER IMPROVEMENTS

None

OTHER CORNER DESCRIPTIONS & SUPPLEMENTAL DATA

Sur. No. 2643, Copper King lode; Cors. 2&3 are granite stones firmly set and properly marked. Line 2-3 was found to be N. 75° 16' 30" W., 1470.80 ft. in stead of N. 75° 15' 45" W., 1471.40 ft. as approved. The bearings of lines 1-2 and 3-4 are shown as approved.

Sur. No. 2643, Copper Butte lode; Cor. 2 is common with Cor. 3, Copper King lode previously described. Cor. No. 3 originally a stone, had been replaced with an iron post and brass cap. Cors. No. 4 was a stone but was replaced by an iron post with a brass cap. There was

SURVEY NO. 4492

(17)

Chains-

insufficient space on this stone for additional markings. Line 3-4 was found to be $N.7^{\circ}13'E.$, 599.67 ft. instead of $N.7^{\circ}04'E.$, 600.0 ft. as approved. Line 2-3 was found to be $S.89^{\circ}0'W.$, 1467.05 ft. instead of $S.88^{\circ}59'30''W.$, 1468.60 ft. as approved. Line 1-2 is shown as approved.

Sur. No.2643, Copper Queen lode, Cor. No.3, is a granite stone, firmly set, properly marked and witnessed as described in the official record. Line 2-3 was found to be $S.65^{\circ}59'E.$, 1474.78 ft. instead of $S.65^{\circ}58'15''E.$, 1475.90 ft. as approved. Line 1-2 is shown as approved

FIELD ASSISTANTS

Name	Capacity
Russell Hart	Transit man
Richard Cleveland	Chainman-Axeman

SECURITY NO. 1182

Chains

insufficient space on this stone for additional markings. Line 3-3 was found to be N. 71° 13' E., 29.87 ft. instead of N. 70° 04' E., 300.0 ft. as approved. Line 2-3 was found to be S. 89° 0' W., 1467.05 ft. instead of S. 88° 29' 30" W., 1468.60 ft. as approved. Line 1-2 is shown as approved.

Bar. No. 2643. Copper Green Leds, Cor. No. 2, is a granite stone, firmly set, properly marked and witnessed as described in the official record. Line 2-3 was found to be S. 65° 39' E., 1474.78 ft. instead of S. 65° 38' 15" E., 1475.90 ft. as approved. Line 1-2 is shown as approved.

FIELD ASSISTANTS

Name	Capacity
Russell Hart	Traffic man
Richard Cleveland	Chairman-Axeman

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

Sept. 12, 1960

I, Harvey W. Smith

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

Cadastral Engineer, at Phoenix, Arizona

May 20, 1959

dated Amended July 12, 1960, I have faithfully and correctly executed the survey of

the mining claim of Banner Mining Company

known as the (See reverse side)

(Lode, placer, or mill site)

situate in Pima Mining District, Pima County, Secs. 1, 6 & 36

T. 17 & 18S., R. 12 & 13E., G. & S. R. B. & Meridian, Arizona, and

(State)

designated as Survey No. 4492, 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 its 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, Arizona

(Place)

Harvey W. Smith

(Mineral Surveyor)

Harvey W. Smith

CERTIFICATE OF APPROVAL

Bureau of Land Management, Survey Office

(Office)

Phoenix, Arizona May 24, 1961

(Place)

(Date)

The foregoing field notes of mineral survey No. 4492 Amd. in Secs. 1, 6, 36

T. 17 & 18 S., R. 12 & 13 E., G. & S. R. Meridian,

Arizona, executed by Harvey W. Smith, Mineral Surveyor,

(State)

May 20, 1959

under order dated Amd. July 12, 1960, 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.

(Title)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEY

Name of Location	Located	Date		Amended Recording
		Recorded	Amended	
Arizona	7-1-38	9-28-38	9-14-59	10-29-59
Arizona No.1	7-1-38	9-28-38	8-18-50	10-2-50
Arizona No.2	7-1-38	9-28-38	8-18-50	10-2-50
Arizona Butte	7-1-38	9-28-38	8-15-50	10-2-50
Minnetonka	8-1-03	9-12-03	9-14-59	10-29-59
Minnehaha Falls	8-1-03	9-12-03	9-14-59	10-29-59

I hereby certify that the foregoing is a true and correct copy of the original field notes and the survey thereon as shown to me by the surveyor and that the same have been compared with the original field notes and the survey thereon and found to be correct and true.

Witness my hand and the seal of the Bureau of Land Management at Washington, D.C., this 1st day of October, 1959.

 Director

CERTIFICATE OF APPROVAL

The foregoing field notes of survey No. 1234567890, made by _____, on _____, 1959, and the survey thereon, have been examined and approved by me, the Director of the Bureau of Land Management, and the necessary corrections have been made to the original field notes and the survey thereon.

Witness my hand and the seal of the Bureau of Land Management at Washington, D.C., this 1st day of October, 1959.

 Director

CERTIFICATE OF TRANSCRIPT

I certify that the foregoing transcript of field notes of the above described survey No. 1234567890, is a true and correct copy of the original field notes.