

4-688

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4403

ARIZONA Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

ARIZONA MANGANESE CORPORATION

Known As The

SHANNON, SHANNON NO. 1, SHANNON NO. 2, SHANNON NO. 3, SHANNON NO. 3 ANNEX  
and SHANNON NO. 4 lode claims, situate in OWENS Mining District,  
MOHAVE County, ARIZONA

Section 36, Township 12 North, Range 14 West  
Section 1 (Unsurveyed) Township 11 North, Range 14 West  
Surveyed under order dated February 23, 1956

by J. WILLIAM WAARA  
Mineral Surveyor.

Claim located See inside cover, 19

Survey commenced February 24, 19 56

Survey completed October 10, 19 56

Address of claimant's Attorney, Fred J. Elliott  
Security Bldg., Phoenix, Arizona

DATES OF AMENDED LOCATIONS

See inside cover

Name of Claim	Date of Location	Date of Amended Location
Shannon	December 12, 1955	
Shannon No. 1	" " "	
Shannon No. 2	" " "	
Shannon No. 3	" " "	
Shannon No. 3 Annex	January 29, 1930 (As Shannon No. 3)	February 8, 1956
Shannon No. 4	December 12, 1955	

## SURVEY NO. 4403

1

Chains

This survey was made with a Lietz Light Mountain transit No. 5403, with horizontal limb 5 ins. diam., having double opposite verniers, and full vertical circle 5 ins. diam., having two double opposite verniers; the horizontal limb verniers read to thirty seconds of arc, while the vertical circle verniers read to one minute of arc; the eyepiece is fitted to receive a clear and colored prismatic eyepiece, suitable 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 observations:

March 11, 1956, at a point near cor. No. 3 and on line 3-4 of the Shannon No. 3 Annex lode, in latitude  $34^{\circ}19.5'$  N., and longitude  $113^{\circ}40.5'$  W., I make 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 opposite limbs of the sun, and reading the horizontal angle from line 3-4 counterclockwise to the sun.

Mean time of observation, 105th meridian standard time

=  $10^h 20^m$  a.m.

Declination of sun at mean time of observation

=  $3^{\circ}31'07''$  S.

Mean observed vertical angle to sun's center

=  $38^{\circ}43'15''$

Mean horizontal angle counterclockwise from

line 3-4 to sun's center

=  $140^{\circ}05'09''$

True bearing of line 3-4

= N.  $89^{\circ}57'$  W.

The lines were measured with a 500 foot steel tape, graduated every foot. This tape was compared with a 100 foot steel standard 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 declination observed at each corner of the survey gave a uniform value of  $15^{\circ}00'$  E.

The geographic position of the cor. of secs. 1, 2, 35, and 36, as derived from township plats is latitude  $34^{\circ}19'54''$  N., and longitude  $113^{\circ}40'59''$  W.

Feet

## SHANNON NO. 4 LODE

Beginning at Cor. No. 1 of the Shannon No. 4 lode.

Set an iron pipe, 30 ins. long,  $\frac{1}{2}$  in. diam., fitted with a floor flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate mkd. S4-1-4403; from which

The cor. of secs. 1, 2, 35, and 36, Ts. 11 and 12 N., R. 14 W., G. & S.R. Mer., bears S.  $51^{\circ}04'$  W., 38.2 ft. dist.; an iron post, 3 ins. diam., firmly set, marked and witnessed as described in the official record.

No bearing trees or bearing objects available.

Thence S.  $89^{\circ}24'$  E.

898.0

Road, bears NE. and SW.

1494.0

Cor. No. 2, identical with Cor. No. 4 Shannon No. 2 lode of this survey.

Set an iron pipe, 30 ins. long,  $\frac{1}{2}$  in. diam., fitted with a floor flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate mkd. S4-2-S2-4-4403;

No bearing objects or bearing trees available.

Feet	Description
9.9	Thence S. 0°58' W. Intersect the south line of sec. 36, S. 89°55' E., 1516.0 ft. from the SW. cor. of sec. 36.
300.0	A mound of stone on lode line; the discovery point bears N. 83° 54' W., 735. ft. dist.
600.0	Cor. No. 3, located on line 3-4 Shannon No. 2 lode of this survey.
190.	Set an iron pipe, 30 ins. long, 1/2 in. diam., fitted with a floor flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate mkd. S4-3-4403. No bearing objects or bearing trees available.
675.	Thence N. 83°54' W. Road, bears NW. and SE.
1500.0	Road, bears N. and S. Cor. No. 4.
300.0	Set an iron pipe, 30 ins. long, 1/2 in. diam., fitted with a floor flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate mkd. S4-4-4403. No bearing objects or bearing trees available.
432.56	Thence N. 0°58' E. A mound of stone on lode line; the discovery point bears S. 83° 54' E., 765.0 ft. dist.
456.0	Intersect the south line of sec. 36, S. 89°55' E., 21.8 ft. from the SW. cor. of sec. 36.
456.0	Cor. No. 1 and place of beginning.

SHANNON NO. 2 LODE

Beginning at Cor. No. 1 of the Shannon No. 2 lode, identical with the witness corner for Cor. No. 4 Shannon lode, and located on line 3-4 of said Shannon lode of this survey.

Set an iron pipe, 30 ins. long, 1/2 in. diam., fitted with a floor flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate mkd. S2-1-WC-S-4-4403; from which

The 1/4 sec. cor. of secs. 1 and 36, Ts. 11 and 12 N., R. 14 W., bears S. 89°22' E., 515.4 ft. dist.; an iron post, 1 in. diam., set, marked and witnessed as described in the official record.

No bearing objects or bearing trees available.

Thence S. 0°58' W.

## SURVEY NO. 4403

Chains Feet	
5.0	Intersect the south line of sec. 36, S. 89°55' E., 2116.0 ft. from the SW. cor. of sec. 36, and N. 89°55' W., 515.4 ft. from the $\frac{1}{4}$ sec. cor. of secs. 1 and 36.
795.	Road, bears E. and W.
1498.8	Cor. No. 2, identical with Cor. No. 3 Shannon lode of this survey.  Set an iron pipe, 30 ins. long, 1/2 in. diam., fitted with a floor flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate mkd. S2-2-S-3-4403.  No bearing objects or bearing trees available.  Thence N. 89°26' W.
300.0	A mound of stone on lode line; the discovery point bears N. 0°58' E., 910.0 ft. dist.
445.	Road, bears NW. and SE.
600.0	Cor. No. 3.  Set an iron pipe, 30 ins. long, 1/2 in. diam., fitted with a floor flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate mkd. S2-3-4403.  No bearing objects or bearing trees available.  Thence N. 0°58' E.
140.	Road, bears NW. and SE.
772.	Road, bears NW. and SE.
898.8	Cor. No. 3 Shannon No. 4 lode of this survey.
1198.8	A mound of stone on lode line Shannon No. 4 lode of this survey.
1488.9	Intersect the south line of sec. 36, S. 89°55' E., 1516.0 ft. from the SW. cor. of sec. 36.
1498.8	Cor. No. 4, identical with Cor. No. 2 Shannon No. 4 lode of this survey.  Thence S. 89°26' E.
300.0	A mound of stone on lode line; the discovery point bears S. 0°58' W., 588.8 ft.
600.0	Cor. No. 1 and place of beginning.
<b>SHANNON LODGE</b>	
	Beginning at Cor. No. 1, identical with Cor. No. 1 Shannon No. 1 lode of this survey.  Set an iron pipe, 30 ins. long, 1/2 in. diam., fitted with a floor flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate mkd. S-1-S1-1-4403; from which

## SURVEY NO. 4403

Chains Feet	
	The $\frac{1}{4}$ sec. cor. of secs. 1 and 36, bears S. $89^{\circ}17' W.$ , 84.6 ft. dist.; previously described. No bearing objects or bearing trees available. Thence S. $0^{\circ}58' W.$
1.2	Intersect the south line of sec. 36, S. $89^{\circ}55' E.$ , 84.6 ft. from the south $\frac{1}{4}$ sec. cor. of sec. 36.
720.	Road, bears NW. and SE.
812.	Road, bears ESE and W.
1115.	Road, bears NW. and SE.
1500.0	Cor. No. 2, identical with Cor. No. 4 Shannon No. 1 lode of this survey. Set an iron pipe, 30 ins. long, $\frac{1}{2}$ in. diam., fitted with a floor flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate mkd. S-2-S1-4-4403. No bearing objects or bearing trees available. Thence N. $89^{\circ}26' W.$
300.0	A mound of stone on lode line; the discovery point bears N. $0^{\circ}58' E.$ , 810.0 ft. dist.
600.0	Cor. No. 3 identical with Cor. No. 2 Shannon No. 2 lode of this survey. Thence N. $0^{\circ}58' E.$
705.	Road, bears E. and W.
1493.8	Intersect the south line of sec. 36, N. $89^{\circ}55' W.$ , 515.4 ft. from the south $\frac{1}{4}$ cor. sec. 36.
1498.8	Witness cor. to Cor. No. 4 Shannon lode, identical with true corner No. 1 of the Shannon No. 2 lode of this survey.
1500.0	Cor. No. 4. This point falls on sloping ground where it was impracticable to set a permanent monument, so I established Cor. No. 1 of the Shannon No. 2 lode as a witness corner S. $0^{\circ}58' W.$ , 1.2 ft. dist. No bearing objects or bearing trees available. Thence S. $89^{\circ}26' E.$
300.0	A mound of stone on lode line; the discovery point bears S. $0^{\circ}58' W.$ , 690.0 ft. dist.
515.4	The $\frac{1}{4}$ sec. cor. of secs. 1 and 36.
600.0	Cor. No. 1 and place of beginning, bears South 1.9 ft. dist.

## SURVEY NO. 4403

5

Chains  
Feet

## SHANNON NO. 1 LODE

- Beginning at Cor. No. 1 of the Shannon No. 1 lode, identical with Cor. No. 1 of the Shannon lode of this survey; from which
- The  $\frac{1}{4}$  sec. cor. of secs. 1 and 36, bears S.  $89^{\circ}17' W.$ , 84.6 ft. dist.; previously described.
- Thence S.  $89^{\circ}57' E.$
- 129.8 A mound of stone on lode line; the discovery point bears S.  $1^{\circ}21' W.$ , 750.0 ft. dist.
- 429.8 Cor. No. 2, identical with Cor. No. 1 Shannon No. 3 lode of this survey.
- Set an iron pipe, 30 ins. long,  $\frac{1}{2}$  in. diam., fitted with a floor flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate mkd. SL-2-S3-1-4403.
- No bearing objects or bearing trees available.
- Thence S.  $1^{\circ}21' W.$
- 1.5 Intersect the south section line of sec. 36, S.  $89^{\circ}55' E.$ , 514.4 ft. from the south  $\frac{1}{4}$  sec. cor. of sec. 36.
- 1500.0 Cor. No. 3, identical with Cor. No. 4 Shannon No. 3 lode of this survey.
- Set an iron pipe, 30 ins. long,  $\frac{1}{2}$  in. diam., fitted with a floor flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate mkd. SL-3-S3-4-4403.
- No bearing objects or bearing trees available.
- Thence N.  $89^{\circ}57' W.$
177. Road, bears NW and SE.
- 300.0 A mound of stone on lode line; the discovery point bears N.  $1^{\circ}21' E.$ , 750.0 ft. dist.
- 419.9 Cor. No. 4, identical with Cor. No. 2 Shannon lode of this survey.
- Thence N.  $0^{\circ}58' E.$
385. Road, bears NW. and SE.
688. Road, bears ESE. and W.
780. Road, bears NW. and SE.
- 1498.8 Intersect the south line of sec. 36, S.  $89^{\circ}55' E.$ , 84.6 ft. from the south  $\frac{1}{4}$  sec. cor. of sec. 36.
- 1500.0 Cor. No. 1, and place of beginning.

## SHANNON NO. 3 LODE

Beginning at Cor. No. 1, identical with Cor. No. 2 Shannon No. 1 lode of this survey; from which

The  $\frac{1}{4}$  sec. cor. of secs. 1 and 36, bears S.  $89^{\circ}55' W.$ , 514.4 ft. dist.; previously described.

Chains Feet	
	Thence S. 89°57' E.
84.9	A mound of stone on lode line; the discovery point bears S. 1°18' 30" W., 500.0 ft. dist.
215.3	Cor. No. 1 Shannon No. 3 Annex lode of this survey.
384.9	Cor. No. 2, on line 1-2 Shannon No. 3 Annex lode of this survey.
	Set an iron pipe, 30 ins. long, 1/2 ins. diam., fitted with a floor flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate, mkd. S3-2-4403.
	No bearing objects or bearing trees available.
	Thence S. 1°18'30" W.
1.7	Intersect the south line of sec. 36, S. 89°55' E., 899.3 ft. dist. from the south 1/4 sec. cor. of sec. 36.
1500.0	Cor. No. 3, on line 3-4 Shannon No. 3 Annex lode of this survey.
	Set an iron pipe, 30 ins. long, 1/2 in. diam., fitted with a floor flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate mkd. S3-3-4403.
	No bearing objects or bearing trees available.
	Thence N. 89°57' W.
170.4	Cor. No. 4 Shannon No. 3 Annex lode of this survey.
300.0	A mound of stone on lode line; the discovery point bears N. 1°18' 30" E., 1000.0 ft. dist.
385.7	Cor. No. 4, identical with Cor. No. 3 Shannon No. 3 lode of this survey.
	Thence N. 1°21' E.
1498.5	Intersect the south line of sec. 36, S. 89°55' E., 514.4 ft. dist. from the south 1/4 sec. cor. of sec. 36.
1500.0	Cor. No. 1, and place of beginning.
<b>SHANNON NO. 3 ANNEX LODE</b>	
	Beginning at Cor. No. 1 located on line 1-2 Shannon No. 3 lode of this survey.
	Set an iron pipe, 30 ins. long, 1/2 in. diam., fitted with a floor flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate mkd. S 3 A-1-4403; from which
	The 1/4 sec. cor. of secs. 1 and 36, bears S. 89°58' W., 729.7 ft. dist., previously described.
	Thence S. 89°57' E.
169.6	Cor. No. 2 Shannon No. 3 lode of this survey.

SURVEY NO. 4403

300.0	A mound of stone on lode line; the discovery point bears S. 1°20' 30" W., 340.0 ft. dist.
600.0	Cor. No. 2.
2.1	Set an iron pipe, 30 ins. long, 1/2 in. diam., fitted with a floor flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate mkd. S 3 A-2-4403. No bearing objects or bearing trees available. Thence S. 1°20'30" W.
1500.0	Intersect the south line of Sec. 36, S. 89°55' E., 1329.7 ft. dist. from the south 1/4 sec. cor. of Sec. 36. Cor. No. 3.
300.0	Set an iron pipe, 30 ins. long, 1/2 in. diam., fitted with a floor flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate mkd. S 3 A-3-4403. No bearing objects or bearing trees available. Thence N. 89°57' W.
429.6	A mound of stone on lode line; the discovery point bears N. 1°20' 30" E., 1160.0 ft. dist. Cor. No. 3 Shannon No. 3 lode of this survey.
600.0	Cor. No. 4, on line 3-4 Shannon No. 3 lode of this survey.
1498.3	Set an iron pipe, 30 ins. long, 1/2 in. diam., fitted with a floor flange, 18 ins. into the ground and surrounded by a mound of stone, with copper plate mkd. S 3 A-4-4403. No bearing objects or bearing trees available. Thence N. 1°20'30" E.
1500.0	Intersect the south line of sec. 36, S. 89°55' E., 729.7 ft. dist. from the 1/4 sec. cor. of secs. 1 and 36. Cor. No. 1, and place of beginning.

AREAS		Acres
Total area, Shannon lode		20.660
Area in conflict with Section 36		0.050
Total area, Shannon No. 1 lode		14.627
Area in conflict with Section 36		0.013
Total area, Shannon No. 2 lode		20.643
Area in conflict with Section 36		0.102
Total area, Shannon No. 3 lode		13.264
Area in conflict with Section 36		0.014
Total area, Shannon No. 3 Annex lode		20.655
Area in conflict with Shannon No. 3 lode of this survey		5.853
Section 36, exclusive of its conflict with Shannon No. 3 lode of this survey		0.026
Shannon No. 3 lode of this survey		0.019

	<p style="text-align: center;">Total area, Shannon No. 4 lode</p>	<p>Acres 18.108</p>
	<p style="text-align: center;">Area in conflict with Section 36</p>	<p>0.008 0.106</p>
	<p>LOCATION</p>	
	<p>This survey is located in the south half of Section 36, T. 12 N., R. 14 W., and the north half of Section 1, T. 11 N., R. 14 W. of the Gila and Salt River Meridian, in the Owens Mining District, Mohave County, State of Arizona.</p> <p>All lodes of this survey are identical with their respective locations.</p>	
	<p>EXPENDITURES</p>	
	<p>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:</p>	
<p>No. 1</p>	<p>The discovery cut and shaft of the Shannon lode, the face of which being the discovery point, is on the lode line 690.0 ft. from its intersection with line 1-4, cut 4x8x7 ft. face containing shaft 4x6x3 ft. deep, brs. northerly.</p>	<p>0.008 0.008</p>
<p>No. 2</p>	<p>A trench, the west end of which bears S. 20°45' E., 742 ft. from Cor. No. 4 Shannon lode; 4 to 10 ft. wide, 4 to 8 ft. deep, runs northwesterly 77 ft.</p>	<p>0.008 0.008</p>
<p>No. 3</p>	<p>A trench, the easterly end of which bears S. 3° W., 725 ft. from Cor. No. 1 Shannon lode, 10 to 20 ft. wide, 120 ft. long, and 3 to 8 ft. deep, runs southwesterly.</p> <p>See list of common improvements for value.</p>	
<p>No. 4</p>	<p>A cut and tunnel, the mouth of cut bears S. 1° W., 738 ft. from Cor. No. 1 Shannon lode, cut 4x12x10 ft. face, tunnel 4 x 6 ft. in size, and runs southwesterly 28 ft.</p>	<p>0.008 0.008</p>
<p>No. 5</p>	<p>An open pit, the center of its face bears S. 18°10' W., 735 ft. from Cor. No. 1 Shannon lode, pit 10 to 30 ft. wide, 50 ft. long and 4 to 6 ft. deep, bears east and west.</p>	
<p>No. 1</p>	<p>The discovery cut and shaft of the Shannon No. 1 lode; the face of cut being the discovery point is on the lode line 750 ft. from its intersection with line 1-2; cut 4.2 x 8 x 6.8 ft. face, containing shaft 5 x 6 x 4.2 ft. deep, bears southerly.</p>	<p>0.008 0.008</p>
<p>No. 2</p>	<p>An open pit, the center of its face bears S. 6°45' E., 745 ft. from Cor. No. 1 Shannon No. 1 lode; pit 20 x 48 x 4 to 10 ft. deep, bears southerly.</p>	
<p>No. 3</p>	<p>A cut, the mouth of which bears S. 5°30' E., 785 ft. from Cor. No. 1 Shannon No. 1 lode, bears southerly 10 x 18 x 10 ft. face.</p>	<p>0.008 0.008</p>

## SURVEY NO. 4403

9

No. 1	The discovery shaft of the Shannon No. 2 lode, the center of which being the discovery point, is on the lode line 588.8 ft. from its intersection with line 1-4, shaft 5x5x8 ft. deep. Value, \$125.
No. 2	A cut, the face of which bears S. 15° W., 614 ft. from Cor. No. 1 Shannon No. 2 lode, 4x10x3 ft. face, bears easterly. Value, \$25.
No. 3	A diamond drill hole, 200 ft. deep, the center of which bears S. 9°30' W., 760 ft., from Cor. No. 1 Shannon No. 2 lode. See list of common improvements for value.
No. 1	The discovery cut of the Shannon No. 3 lode, the face of which being the discovery point, is on the lode line 500 ft. from its intersection with line 1-2, cut 4x17x10 ft. face, bears easterly. Value, \$125.
No. 2	An open pit, the center of the face of which bears S. 7° E., 575 ft. from Cor. No. 1 Shannon No. 3 lode; pit 24 to 48 ft. wide, 130 ft. long, 10 to 25 ft. deep, bears southeasterly. See list of common improvements for value.
No. 3	An open pit, the center of the face of which bears S. 12°30' E., 515 ft. from Cor. No. 1 Shannon No. 3 lode; pit 30 ft. wide, 50 ft. long and 2 to 10 ft. deep, bears southerly. See list of common improvements for value.
No. 1	The discovery cut of the Shannon No. 3 Annex lode, the face of which being the discovery point, is on the lode line 340 ft. from its intersection with line 1-2, cut 6x18x10 ft. face and trench 6x7x5 ft. deep. Value of cut and trench, \$160.
No. 2	An open pit, the center of the face of which bears S. 33° W., 342 ft. from Cor. No. 2 Shannon No. 3 Annex lode, pit 30 ft. wide, 90 ft. long and 6 to 25 ft. deep, bears southerly. See list of common improvements for value.
No. 3	An open pit, the center of the face of which bears S. 37°10' E., 486 ft. from Cor. No. 1 Shannon No. 3 Annex lode; pit 18 ft. wide, 120 ft. long and 12 to 15 ft. deep, bears easterly. See list of common improvements for value.
No. 1	The discovery shaft of the Shannon No. 4 lode; the center of which being the discovery point, is on the lode line 735.0 ft. from its intersection with line 2-3; shaft 4x6x9 ft. deep. Value, \$150.
No. 2	A cut, the face of which bears S. 72°30' W., 755 ft. from Cor. No. 2 Shannon No. 4 lode, cut 4x10x8 ft. face bears northerly. Value, \$125.

## COMMON IMPROVEMENTS

An interest in Common Improvements classified as such by the grouping of progressively constructed improvements upon the various lodes, and listed individually under the caption of said lodes as hereunder summarized:

Chains	Lode	No. of Improvement	Value
	Shannon lode	No. 1	800.00
	Shannon No. 1	No. 2	1,000.00
	Shannon No. 2	No. 3	1,200.00
	Shannon No. 3	No. 2	25,000.00
		No. 3	3,300.00
	Shannon No. 3 Annex	No. 2	16,000.00
		No. 3	10,000.00
			<u>\$57,300.00</u>

Value of seven major improvements consisting of diamond drill hole, trench and five pit operations as listed above \$57,300.00.

Value of one-sixth interest \$9,550.00

These improvements are in the course of construction for the development of the six lodes of this survey, which are contiguous lode claims owned in common within the range of benefit of said improvements.

The surface rises gradually toward the west from the most easterly pit improvement. The topography is barren rolling hills formed by heavy overburden over low level mineralized bedding planes. Due to the peculiar nature of the district's manganese ore deposits, normally in bedding planes, their development requires the progressive stripping of the overburden and adit pit openings to determine their position, nature, extent and mineral content.

The exploration eventually leads to the selection of a site for an open pit operation. The program of stripping of the surface overburden and pit excavations throughout the length of the property, progressively developed the ore bodies on the respective lode claims and will eventually determine mining methods necessary and locus of operations for extensive pit mining which is the only economical mining method now developed for manganese ore deposits such as found in this mining district and on this property.

Five hundred dollars or over have been expended in these improvements in such a manner as tends to the development of each lode of this survey subsequent to its location and to the time since which common ownership and contiguity have prevailed; therefore an undivided one-sixth (1/6) interest in its value is hereby credited to each of said lodes of this survey.

Except as above stated, no portion of or interest in these improvements has been credited heretofore as patent expenditure to any lode claim.

**OTHER IMPROVEMENTS**

A frame cabin, 12 x 16 ft., bearing east and west, bears N. 28° 15' W., 482 ft. from Cor. No. 2 Shannon No. 2 lode of this survey. Claimant herein.

Chains

## OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

Section corners found in the execution of this survey, are standard iron post monuments with brass caps properly marked as reported in the official records.

Corners of this survey are 1/2 inch galvanized iron pipe, 30 inches long, threaded at one end. To the threaded end, a galvanized iron floor flange, 3 1/2 inches in diameter was attached. A copper plate was attached to the floor flange by the use of bolts. The designation of the corners of the lodes were stamped on the copper plate. The corner assembly thus described was set into the ground 18 inches, or as conditions of the formation permitted.

All disagreements existing between the calls of the location certificates and the lodes as surveyed are due to errors in the location certificates.

## FIELD ASSISTANTS

Raymond W. White

Chainman

SURVEY NO. 1103

11

Chains

OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

Section corners found in the execution of this survey are standard iron post monuments with brass caps properly marked as reported in the official records.

Corners of this survey are 1/2 inch riveted iron pipe 30 inches long, threaded at one end. To the threaded end a galvanized iron floor flange, 3/4 inches in diameter was attached. The corner plate was attached to the floor flange by the use of bolts. The destination of the corners of the lot was stamped on the corner plate. The corner assembly thus described was set into the ground 18 inches, or as conditions of the formation permitted.

All discrepancies existing between the calls of the location certificates and the lot as surveyed are due to errors in the location certificates.

FIELD ASSISTANTS

Chairman

Raymond W. White