

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Mineral Survey Number

4599

State

Arizona

Land District

Arizona

FIELD NOTES

Of the Survey of the Mining Claim of (Name & address of Claimant)

Charleston Mines  
c/o Charles H. Suiter  
5008 West Weldon Avenue  
Phoenix, Arizona

Known as the (Name of group, if any)

Mary Jo Group

CONSISTING OF LOCATIONS NAMED AND LOCATED AS FOLLOWS

NAME OF LOCATION	DATE	
	LOCATED	AMENDED
BROTHER GEORGE	1/28/28	
MARY JO	1/28/28	
PASS OVER	2/11/28	
CHIEF JUSTICE	2/11/28	
FATHER LODE	2/14/28	
RARE METALS	2/14/28	
MOTHER LODE	3/20/28	
L.P.W. No. 2	4/24/28	
CONNECTING LINKS	9/1/28	
MARY and GEORGE	9/1/28	
SWEET-HEART	9/1/28	
WOOLERY	9/1/28	

Mining District		County		Section
Tombstone		Cochise		25 and 36
Township	Range	Meridian	Surveyed under order dated	
20 S	21 E	G. & S. R. Base and Meridian	9/5/62	
Survey commenced	Survey completed	Name of Mineral Surveyor		
10/12/62	12/8/62	ROBERT LENON		



Survey No. 4599

Feet  
Chains

This survey was made with a Bausch & Lomb Precise Transit No. 9259, with horizontal limb 5-1/2 ins. diam., having two single opposite verniers, and full vertical circle 4-1/4 ins. diam., having two double opposite verniers, all verniers reading to one minute of arc. The eyepiece is equipped with a colored glass set in the dust shutter 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 double horizontal angles referred to the meridian determined by the following observations:

Oct. 12, 1962, at Cor. No. 1 of the Brother George lode, in latitude 31°39'30" N., and longitude 110°09'30" W., I make a series of four altitude observations (in two sets of two each) upon the sun for azimuth, at approximately equal time-intervals, two each with the telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal angles clockwise, from a point on line 4-1 of the Brother George lode about 1200 feet SW'ly, SW. to the sun.

(1st set) (2nd set)

Mean time of observation, 105th meridian standard time:	2 <sup>h</sup> 49 <sup>m</sup>	2 <sup>h</sup> 52 <sup>m</sup>
Declination of sun at mean time of observation:	7° 28' 30" S.	
Mean observed vertical angles to sun's center:	35° 25'	34° 53'
Mean horizontal angles from ref- erence point to sun's center:	336° 29'	337° 12' 30"
True bearing to reference point:	S. 74° 47' W.	

The lines were measured with a Lufkin steel tape, 500 feet in length, graduated every foot, with the end feet graduated to tenths and hundredths; and a Chicago steel tape, 300 feet in length, graduated every foot, with the end feet graduated to tenths; both tapes were compared with a Lufkin standard steel tape at the time of beginning the survey, and found correct.

All lines and connections were run by direct methods.

The magnetic declination observed at each corner of the survey gave a uniform value of 13°00' E.

MARY AND GEORGE LODGE

Beginning at Cor. No. 1 of the Mary and George lode.

Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. MAG-1-4599; from which

The Cor. of Secs. 25, 26, and 36 of T. 20 S., R. 21 E., G. & S. R. M., Arizona, bears S. 72°28' W., 102.10 ft. dist.; an iron pipe, 2-1/2 ins. diam., 18 ins. above the ground, with brass cap firmly set and properly mkd.

Thence N. 72°28' E.

260 Gulch, 4 ft. wide, course S. 10° E.

997 Gulch, 4 ft. wide, course South.



Feet	Description
1087	Gulch, 5 ft. wide, course N. 10° W.
1211	Gulch, 5 ft. wide, course North.
1236	Gulch, 12 ft. wide, course N. 45° W.
1501.56	Cor. No. 2, falling on line 2-3 of the Pass Over lode of this survey. Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. MAG-2-PO 2-3-4599. Thence S. 14° 54' E.
56	Gulch, 5 ft. wide, course S. 65° W.
81	Telephone line, bears N. 57° E. and S. 57° W.
126	Gulch, 3 ft. wide, course North.
300	Lode line; discovery point bears S. 74° 47' W., 200 ft. dist.
473	Gulch, 3 ft. wide, course West.
574	Road, 10 ft. wide, bears N. 77° E. and S. 77° W.
600.0	Cor. No. 3, identical with Cor. No. 2 of the Pass Over lode, and falling on line 4-1 of the Brother George lode, both of this survey. Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. MAG-3-PO-2-BG-4-1-4599. Thence S. 74° 47' W.
145	Road, 10 ft. wide, bears N. 66° E. and S. 66° W.
882	Telephone line, bears N. 5° E. and S. 5° W.
900.0	Intersect Cor. No. 2 of the Woolery lode, identical with Cor. No. 4 of the Brother George lode, both of this survey.
940	Gulch, 3 ft. wide, course N. 37° W.
1500.0	Cor. No. 4, identical with Cor. No. 1 of the Woolery lode, of this survey. Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. MAG-4-W-1-4599. Thence N. 14° 54' W.
40	Gulch, 4 ft. wide, course S. 76° W.
300	Lode line; discovery point bears N. 74° 47' E., 1300 ft. dist.
539.30	Cor. No. 1, and place of beginning.

Feet Chains	
	<b>WOOLERY LODE</b>
	Beginning at Cor. No. 1 of the Woolery lode, identical with Cor. No. 4 of the Mary and George lode, of this survey, previously described; from which
	The Cor. of Secs. 25, 26, and 36 of T. 20 S., R. 21 E., G. & S. R. M., Arizona, bears N. 25°42' W., 544.25 ft. dist.; previously described.
	Thence N. 74°47' E.
300.0	Lode line; discovery point bears S. 14°54' E., 425 ft. dist.
560	Gulch, 3 ft. wide, course N. 37° W.
600.0	Cor. No. 2, identical with Cor. No. 4 of the Brother George lode, and falling on line 3-4 of the Mary and George lode, both of this survey.
	Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. W-2-BG-4-M&G-3-4-4599.
	Thence S. 14°54' E.
45	Telephone line, bears N. 5° E. and S. 5° W.
85	Gulch, 3 ft. wide, course N. 65° W.
600.0	Intersect Cor. No. 3 of the Brother George lode, identical with Cor. No. 4 of the Rare Metals lode, both of this survey.
1200.0	Intersect Cor. No. 3 of the Rare Metals lode, of this survey.
1500.0	Cor. No. 3.
	Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. W-3-4599.
	Thence S. 74°47' W.
300	Lode line; discovery point bears N. 14°54' W., 1075 ft. dist.
518	Gulch, 3 ft. wide, course S. 53° W.
581	Telephone line, bears N. 5° E. and S. 5° W.
600.0	Cor. No. 4.
	Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. W-4-4599.
	Thence N. 14°54' W.
675	Gulch, 4 ft. wide, course N. 60° W.
775	Gulch, 4 ft. wide, course S. 80° W.
1500.0	Cor. No. 1, and place of beginning.



Feet <del>Chains</del>	
	PASS OVER LODE
	Beginning at Cor. No. 1 of the Pass Over lode, identical with Cor. No. 1 of the Brother George lode, and falling on line 4-1 of the Mary Jo lode, both of this survey.
	Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. PO-1-BG-1-MJ-4-1-4599; from which
	The 1/4 Sec. Cor. of Secs. 25 and 36 of T. 20 S., R. 21 E., G. & S. R. M., Arizona, bears S. 81°16'20" E., 381.66 ft. dist.; an iron pipe, 1-1/2 ins. diam., 12 ins. above the ground, with brass cap firmly set and properly mkd.
	Thence S. 74°47' W.
235	Road, 10 ft. wide, bears N. 38° E. and S. 38° W.
300.0	Lode line; discovery point bears N. 14°54' W., 125 ft. dist.
365	Road, 10 ft. wide, bears N. 88° W. and S. 88° E.
600.0	Cor. No. 2, identical with Cor. No. 3 of the Mary and George lode, and falling on line 4-1 of the Brother George lode, both of this survey, previously described.
	Thence N. 14°54' W.
26	Road, 10 ft. wide, bears N. 77° E. and S. 77° W.
127	Gulch, 3 ft. wide, course West.
474	Gulch, 3 ft. wide, course North.
519	Telephone line, bears N. 57° E. and S. 57° W.
544	Gulch, 5 ft. wide, course S. 65° W.
600.0	Intersect Cor. No. 2 of the Mary and George lode of this survey, previously described.
1398	Howell Gulch, 80 ft. wide, course S. 76° W.
1500.0	Cor. No. 3.
	Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. above the ground, with a mound of stone alongside, mkd. PO-3-4599.
	Thence N. 74°47' E.
32	Gulch, 1 ft. wide, course S. 02° E.
70	Gulch, 4 ft. wide, course S. 32° E.
185	Gulch, 5 ft. wide, course S. 46° W.
300.0	Lode line; discovery point bears S. 14°54' E., 1375 ft. dist.
600.0	Cor. No. 4, falling on line 2-3 of the Chief Justice lode, of this survey.

Feet Chains	
	Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. PO-4-CJ-2-3-4599.  Thence S. 14°54' E.
300	Howell Gulch, 40 ft. wide, course N. 59° W.
1025	Gulch, 3 ft. wide, course S. 75° W.
1030	Telephone line, bears N. 70° W. and S. 70° E.
1474.96	Intersect Cor. No. 2 of the Chief Justice lode, identical with Cor. No. 1 of the Mary Jo lode, both of this survey.
1490	Road, 10 ft. wide, bears East-West.
1500.0	Cor. No. 1, and place of beginning.
BROTHER GEORGE LODE	
	Beginning at Cor. No. 1 of the Brother George lode, identical with Cor. No. 1 of the Pass Over lode, and falling on line 4-1 of the Mary Jo lode, both of this survey, previously described; from which  The 1/4 Sec. Cor. of Secs. 25 and 36 of T. 20 S., R. 21 E., G. & S. R. M., Arizona, bears S. 81°16'20" E., 381.66 ft. dist., previously described.  Thence S. 14°54' E.
300.0	Lode line; discovery point bears S. 74°47' W., 95 ft. dist.
350	Road, 10 ft. wide, bears N. 40° W. and S. 70° E.
460	Road, 10 ft. wide, bears N. 83° W. and S. 62° E.
600.0	Cor. No. 2, identical with Cor. No. 1 of the Rare Metals lode, and falling on line 4-1 of the Mary Jo lode, both of this survey.
	Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. BG-2-RM-1-MJ-4-1-4599.  Thence S. 74°47' W.
1500.0	Cor. No. 3, identical with Cor. No. 4 of the Rare Metals lode, and falling on line 2-3 of the Woolery lode, both of this survey.
	Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. BG-3-RM-4-W-2-3-4599.  Thence N. 14°54' W.
300	Lode line, discovery point bears N. 74°47' E., 1405 ft. dist.
515	Gulch, 3 ft. wide, course N. 65° W.
555	Telephone line, bears N. 5° E. and S. 5° W.

Feet	
600.0	Cor. No. 4, identical with Cor. No. 2 of the Woolery lode, and falling on line 3-4 of the Mary and George lode, both of this survey, previously described.  Thence N. 74°47' E.
18	Telephone line, bears N. 5° E. and S. 5° W.
755	Road, 10 ft. wide, bears N. 66° E. and S. 66° W.
900	Intersect Cor. No. 3 of the Mary and George lode, identical with Cor. No. 2 of the Pass Over lode, both of this survey, previously described.
1135	Road, 10 ft. wide, bears N. 88° W. and S. 88° E.
1265	Road, 10 ft. wide, bears N. 38° E. and S. 38° W.
1500.0	Cor. No. 1, and place of beginning.
<b>RARE METALS LODGE</b>	
	Beginning at Cor. No. 1 of the Rare Metals lode, identical with Cor. No. 2 of the Brother George lode, and falling on line 4-1 of the Mary Jo lode, both of this survey, previously described; from which  The 1/4 Sec. Cor. of Secs. 25 and 36 of T. 20 S., R. 21 E., G. & S. R. M., Arizona, bears N. 23°08' E., 567.54 ft. dist., previously described.  Thence S. 14°54' E.
8.48	Intersect Cor. No. 4 of the Mary Jo lode, identical with Cor. No. 1 of the Father Lode lode, both of this survey.
300.0	Lode line; discovery point bears S. 74°47' W., 30 ft. dist.
600.0	Cor. No. 2, identical with Cor. No. 4 of the Father Lode lode, of this survey.  Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. RM-2-FL-4-4599.  Thence S. 74°47' W.
1500.0	Cor. No. 3, falling on line 2-3 of the Woolery lode, of this survey.  Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. RM-3-W-2-3-4599.  Thence N. 14°54' W.
300.0	Lode line; discovery point bears N. 74°47' E., 1470 ft. dist.
600.0	Cor. No. 4, identical with Cor. No. 3 of the Brother George lode, and falling on line 2-3 of the Woolery lode, both of this survey, previously described.



Feet Chains	
	Thence N. 84°40' W.
200	Road, 10 ft. wide, bears N. 80° E. and S. 80° W.
370	Road, 20 ft. wide, bears N. 16° E. and S. 16° W.
545	Road, 10 ft. wide, bears N. 35° W. and S. 35° E.
555	Water line, 6 ins. diam., bears N. 35° W. and S. 35° E.
805	Road, 10 ft. wide, bears N. 15° W. and S. 15° E.
860	Powerline, bears N. 28° W. and S. 28° E.
1270	Road, 10 ft. wide, bears N. 17° E. and S. 17° W.
1315	Gulch, 5 ft. wide, course North.
1415	Gulch, 2 ft. wide, course N. 51° E.
1514.00	Cor. No. 4, identical with Cor. No. 2 of the Rare Metals lode, of this survey, previously described.
	Thence N. 14°54' W.
274.76	Lode line; discovery point bears S. 86°10'20" E., 40 ft. dist.
591.52	Cor. No. 1, and place of beginning.

#### SWEET-HEART LODE

Beginning at Cor. No. 1 of the Sweet-Heart lode, identical with Cor. No. 2 of the Mary Jo lode, and falling on line 3-4 of the Connecting Links lode, both of this survey.

Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. SH-1-MJ-2-CL-3-4-4599; from which

The 1/4 Sec. Cor. of Secs. 25 and 36 of T. 20 S., R. 21 E., G. & S. R. M., Arizona, bears N. 82°08'30" W., 1161.34 ft. dist., previously described.

Thence N. 80°43' E.

195	Road, 8 ft. wide, bears N. 23° E. and S. 23° W.
301.45	Lode line; discovery point bears S. 14°54' E., 450 ft. dist.
602.9	Cor. No. 2, falling on line 1-2 of Sur. No. 3744 Bald Eagle lode, at a point from which Cor. No. 2 bears S. 72°07' W., 685.14 ft. dist.

Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. SH-2-4599.

Thence S. 14°54' E.

95	Gulch, 10 ft. wide, course S. 60° W.
415	Gulch, 10 ft. wide, course N. 85° W.

10

Survey No. 4599

7

Feet <del>Chains</del>	
1500.0	<p style="text-align: center;">Thence N. 74°47' E.</p> <p>Cor. No. 1, and place of beginning.</p>
	<p style="text-align: center;">FATHER LODE LODE</p> <p>Beginning at Cor. No. 1 of the Father Lode lode, identical with Cor. No. 4 of the Mary Jo lode, and falling on line 1-2 of the Rare Metals lode, both of this survey.</p> <p>Set an iron pipe 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. MJ-4-FL-1-RM-1-2-4599; from which</p> <p style="padding-left: 40px;">The 1/4 Sec. Cor. of Secs. 25 and 36 of T. 20 S., R. 21 E., G. &amp; S. R. M., Arizona, bears N. 22°36'40" E., 574.24 ft. dist., previously described.</p> <p style="text-align: center;">Thence S. 86°10'20" E.</p> <p>200 Road, 10 ft. wide, bears N. 15° W. and S. 15° E.</p> <p>260 Road, 10 ft. wide, bears N. 15° W. and S. 15° E.</p> <p>375 Gulch, 5 ft. wide, course N. 8° W.</p> <p>395 Road, 10 ft. wide, bears N. 5° E. and S. 5° W.</p> <p>500 Powerline, bears N. 28° W. and S. 28° E.</p> <p>625 Road, 10 ft. wide, bears N. 20° W. and S. 20° E.</p> <p>680 Water line, 6 ins. diam., bears N. 35° W. and S. 35° E.</p> <p>690 Road, 10 ft. wide, bears N. 35° W. and S. 35° E.</p> <p>1260 Gulch, 4 ft. wide, course N. 33° W.</p> <p>1340 Road, 10 ft. wide, bears N. 18° W. and S. 18° E.</p> <p>1395 Gulch, 3 ft. wide, course N. 55° W.</p>
1500.0	<p>Cor. No. 2, identical with Cor. No. 3 of the Mary Jo lode, and falling on line 4-1 of the Sweet-Heart lode, both of this survey.</p> <p>Set an iron pipe 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. FL-2-MJ-3-SH-4-1-4599.</p> <p style="text-align: center;">Thence S. 14°54' E.</p> <p>70 Gulch, 3 ft. wide, course N. 60° W.</p> <p>291 Road, 10 ft. wide, bears N. 55° W. and S. 55° E.</p> <p>316.76 Lode line; discovery point bears N. 86°10'20" W., 1460 ft. dist.</p> <p>531 Road, 10 ft. wide, bears S. 50° W. and N. 50° E.</p> <p>633.52 Cor. No. 3, falling on line 4-1 of the Sweet-Heart lode, of this survey.</p> <p>Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. FL-3-SH-4-1-4599.</p>

Feet Chain	
1110	Gulch, 2 ft. wide, course S. 67° W.
1500.0	Cor. No. 3.  Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. SH-3-4599.  Thence S. 80°43' W.
301.45	Lode line; discovery point bears N. 14°54' W., 1050 ft. dist.
510	Gulch, 2 ft. wide, course S. 52° W.
602.9	Cor. No. 4.  Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. SH-4-4599.  Thence N. 14°54' W.
378.64	Intersect Cor. No. 3 of the Father Lode lode, of this survey, previously described.
481.16	Road, 10 ft. wide, bears S. 50° W. and N. 50° E.
721.16	Road, 10 ft. wide, bears N. 55° W. and S. 55° E.
942.16	Gulch, 3 ft. wide, course N. 60° W.
1012.16	Intersect Cor. No. 3 of the Mary Jo lode, identical with Cor. No. 2 of the Father Lode lode, both of this survey, previously described.
1060	Gulch, 4 ft. wide, course S. 85° W.
1243	Gulch, 10 ft. wide, course S. 80° W.
1257.89	Intersect Cor. No. 4 of the Connecting Links lode, falling on line 2-3 of the Mary Jo lode, both of this survey.
1345	Road, 8 ft. wide, bears N. 55° E. and S. 55° W.
1409.7	Intersect line 1-2 Sur. No. 3744 Bald Eagle lode at a point from which Cor. No. 2 bears S. 72°07' W., 84.32 ft. dist.
1500.0	Cor. No. 1, and place of beginning.

---

CONNECTING LINKS LODE

Beginning at Cor. No. 1 of the Connecting Links lode.

Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. CL-1-4599; from which

The 1/4 Sec. Cor. of Secs. 25 and 36 of T. 20 S., R. 21 E., G. & S.R.M., Arizona, bears N. 68°15'30" W., 311.98 ft. dist., previously described.



11  
12

Survey No. 4599

10

Feet Chains	
	Thence N. 14°54' W.
75.00	Road, bears NE. and SW.
99.25	Intersect Cor. No. 1 of the Chief Justice lode and line 1-2 of the Mary Jo lode, both of this survey.
199.25	Gulch, 15 ft. wide, course N. 55° E.
235.25	Road, 10 ft. wide, bears S. 75° W. and N. 75° E.
300.49	Intersect Cor. No. 1 of the Mother Lode lode, falling on line 4-1 of the Chief Justice lode, all of this survey.
342.47	Lode line; discovery point bears S. 68°28'30" E., 300 ft. dist. Set an iron pipe, 3/4 ins. diam., 24 ins. long, 18 ins. in the ground, no markings.
499.21	Gulch, 10 ft. wide, course N. 70° W.
600.0	Cor. No. 2, falling on line 1-2 of the Mother Lode lode, identical with line 4-1 of the Chief Justice lode, both of this survey.  Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. CL-2-ML-1-2-CJ-4-1-4599.
	Thence S. 70°38'15" E.
226.24	Intersect line 4-1 of the Mother Lode lode of this survey, identical with line 3-4 Sur. No. 2130 Rad Crow lode at a point from which Cor. No. 3 bears S. 32°28' W., 143.29 ft. dist.
841.61	Intersect line 1-2 Sur. No. 2130 Rad Crow lode at a point from which Cor. No. 2 bears S. 32°24' W., 327.54 ft. dist.
961.18	Intersect line 2-3 Sur. No. 3744 Bald Eagle lode at a point from which Cor. No. 3 bears N. 6°58'30" W., 189.90 ft. dist.
992.88	Cor. No. 3.  Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. CL-3-4599.
	Thence S. 14°54' E.
304.12	Lode line; discovery point bears N. 68°28'30" W., 719.84 ft. dist., identical with Cor. No. 1 of the Sweet-Heart lode, identical with Cor. No. 2 of the Mary Jo lode, both of this survey, previously described.
394.42	Intersect line 1-2 Sur. No. 3744 Bald Eagle lode at a point from which Cor. No. 2 bears S. 72°07' W., 84.32 ft. dist.
469.12	Road, 8 ft. wide, bears N. 55° E. and S. 55° W.
546.23	Cor. No. 4, falling on line 2-3 of the Mary Jo lode, identical with line 4-1 of the Sweet-Heart lode, both of this survey.

XXXX Feet	
	Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. CL-4-SH-4-1-MJ-2-3-4599.
	Thence N. 73° 16' 50" W,
45	Road, 20 ft. wide, bears N. 26° E. and S. 26° W.
304	Gulch, 20 ft. wide, course N. 34° W.
963.63	Cor. No. 1, and place of beginning.
MARY JO LODGE	
	Beginning at Cor. No. 1 of the Mary Jo lode, identical with Cor. No. 2 of the Chief Justice lode, and falling on line 4-1 of the Pass Over lode, both of this survey.
	Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. CJ-2-MJ-1-PO-4-1-4599; from which
	The 1/4 Sec. Cor. of Secs. 25 and 36 of T. 20 S., R. 21 E., G. & S. R. M., Arizona, bears S. 77° 55' E., 392.37 ft. dist., previously described.
	Thence S. 81° 04' 30" E.
50	Road, 10 ft. wide, bears East and West.
225	Powerline stub, bears N. 20° W. and S. 20° E.
244	Enter concrete slab with mill and buildings, 130 by 120 ft. in size, at a point from which the NE. Cor., bears N. 81° 30' E., 36 ft. dist.
265	Powerline stub, bears N. 51° E. and S. 51° W.
279	Leave concrete slab, previously described, at a point from which the NE. Cor. bears N. 8° 30' W., 10 ft. dist.
315	Road, 10 ft. wide, bears N. 30° W. and S. 30° E.
360	Powerline, bears N. 28° W. and S. 28° E.
430	Road, 10 ft. wide, bears N. 43° E. and S. 43° W.
495	Telephone line, bears N. 30° W. and S. 30° E.
580	Gulch, 10 ft. wide, course N. 20° E.
655.89	Intersect Cor. No. 1 of the Chief Justice lode, falling on line 1-2 of the Connecting Links lode, both of this survey.
673	Road, 10 ft. wide, bears N. 29° E. and S. 29° W.
968	Gulch, 4 ft. wide, course N. 10° E.
1052	Gulch, 12 ft. wide, course N. 50° W.
1228	Gulch, 3 ft. wide, course S. 55° W.

81 14

Survey No. 4599

12

<del>Change</del> Feet	
1330	Gulch, 2 ft. wide, course N. 55° W.
1479.77	Intersect line 2-3 Sur. No. 3744 Bald Eagle lode at a point from which Cor. No. 2 bears S. 6°58'30" E., 125.43 ft. dist.
1535	Road, 10 ft. wide, bears N. 65° W. and S. 65° E.
1552.92	Cor. No. 2, identical with Cor. No. 1 of the Sweet-Heart lode, and falling on line 3-4 of the Connecting Links lode, both of this survey, previously described.
	Thence S. 14°54' E.
90.30	Intersect line 1-2 Sur. No. 3744 Bald Eagle lode at a point from which Cor. No. 2 bears S. 72°07' W., 84.32 ft. dist.
155	Road, 8 ft. wide, bears N. 55° E. and S. 55° W.
171.08	Lode line; discovery point bears N. 86°10'20" W., 1360 ft. dist.
242.11	Intersect Cor. No. 4 of the Connecting Links lode and falling on line 4-1 of the Sweet-Heart lode, both of this survey, previously described.
257	Gulch, 10 ft. wide, course S. 80° W.
440	Gulch, 4 ft. wide, course S. 85° W.
487.84	Cor. No. 3, identical with Cor. No. 2 of the Father Lode lode, and falling on line 4-1 of the Sweet-Heart lode, both of this survey, previously described.
	Thence N. 86°10'20" W.
105	Gulch, 3 ft. wide, course N. 55° W.
160	Road, 10 ft. wide, bears N. 18° W. and S. 18° E.
240	Gulch, 4 ft. wide, course N. 33° W.
810	Road, 10 ft. wide, bears N. 35° W. and S. 35° E.
820	Water line, 6 ins. diam., bears N. 35° W. and S. 35° E.
875	Road, 10 ft. wide, bears N. 20° W. and S. 20° E.
1000	Powerline, bears N. 28° W. and S. 28° E.
1105	Road, 10 ft. wide, bears N. 5° E. and S. 5° W.
1125	Gulch, 5 ft. wide, course N. 8° E.
1240	Road, 10 ft. wide, bears N. 15° W. and S. 15° E.
1300	Road, 10 ft. wide, bears N. 15° W. and S. 15° E.
1500.0	Cor. No. 4, identical with Cor. No. 1 of the Father Lode lode, and falling on line 1-2 of the Rare Metals lode, both of this survey, previously described.



Survey No. 4599

13

Feet Chains	
	Thence N. 14°54' W.
8.48	Intersect Cor. No. 1 of the Rare Metals lode, identical with Cor. No. 2 of the Brother George lode, both of this survey, previously described.
148.48	Road, 10 ft. wide, bears N. 83° W. and S. 62° E.
258.48	Road, 10 ft. wide, bears N. 40° W. and S. 70° E.
316.76	Lode line; discovery point bears S. 86°10'20" E., 140 ft. dist.
608.48	Intersect Cor. No. 1 of the Pass Over lode, identical with Cor. No. 1 of the Brother George lode, both of this survey, previously described.
633.52	Cor. No. 1, and place of beginning.
<b>CHIEF JUSTICE LODE</b>	
	Beginning at Cor. No. 1 of the Chief Justice lode, and falling on line 1-2 of the Mary Jo lode, and on line 1-2 of the Connecting Links lode, both of this survey.
	Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. CJ-1-MJ-1-2-CL-1-2-4599; from which
	The 1/4 Sec. Cor. of Secs. 25 and 36 of T. 20 S., R. 21 E., G. & S. R. M., Arizona, bears N. 85°45' W., 265.0 ft. dist., previously described.
	Thence N. 81°04'30" W.
75.89	Gulch, 10 ft. wide, course N. 20° E.
160.89	Telephone line, bears N. 30° W. and S. 30° E.
225.89	Road, 10 ft. wide, bears N. 43° E. and S. 43° W.
295.89	Powerline, bears N. 28° W. and S. 28° E.
327.95	Lode line; discovery point bears N. 14°54' W., 40 ft. dist.
340.89	Road, 10 ft. wide, bears N. 30° W. and S. 30° E.
376.89	Enter concrete slab previously described, at a point from which the NE. Cor. bears N. 8°30' W., 10 ft. dist.
390.89	Powerline stub, bears N. 51° E. and S. 51° W.
411.89	Leave concrete slab, previously described, at a point from which the NE. Cor. bears N. 81°30' E., 36 ft. dist.
430.89	Powerline stub, bears N. 20° W. and S. 20° E.
605.89	Road, 10 ft. wide, bears East and West.
655.89	Cor. No. 2, identical with Cor. No. 1 of the Mary Jo lode, and falling on line 4-1 of the Pass Over lode, both of this survey, previously described.
	Thence N. 14°54' W.
444.96	Telephone line, bears N. 70° W. and S. 70° E.
449.96	Gulch, 3 ft. wide, bears S. 75° W.

Feet Chains	
1174.96	Howell Gulch, 40 ft. wide, course N. 59° W.
1474.96	Intersect Cor. No. 4 of the Pass Over lode of this survey, previously described.
1500.0	Cor. No. 3. Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. CJ-3-4599. Thence S. 81°04'30" E.
200	Road, 10 ft. wide, bears N. 58° W. and S. 58° E.
279	Powerline, bears N. 10° W. and S. 10° E.
327.94	Lode line; discovery point bears S. 14°54' E., 1460 ft. dist.
456	Gulch, 2 ft. wide, course S. 27° W.
655.89	Cor. No. 4. Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. CJ-4-4599. Thence S. 14°54' E.
483.21	Intersect Cor. No. 2 of the Mother Lode lode of this survey.
523	Howell Gulch, 50 ft. wide, course N. 62° W.
788	Gulch, 16 ft. wide, course N. 4° E. before and N. 77° E. after crossing this line.
999.25	Intersect Cor. No. 2 of the Connecting Links lode of this survey, previously described.
1100	Gulch, 10 ft. wide, course N. 70° W.
1256.78	Intersect end center Connecting Links lode of this survey, previously described.
1298.76	Intersect Cor. No. 1 of Mother Lode lode, falling on line 1-2 of the Connecting Links lode, both of this survey.
1364	Road, 10 ft. wide, bears S. 75° W. and N. 75° E.
1400	Gulch, 15 ft. wide, course N. 55° E.
1500.0	Cor. No. 1, and place of beginning.
<b>MOTHER LODE LODE</b>	
Beginning at Cor. No. 1 of the Mother Lode lode, falling on line 1-2 of the Connecting Links lode, identical with line 4-1 of the Chief Justice lode, both of this survey.	
Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. ML-1-CL-1-2-CJ-4-1- 4599; from which	



Feet	
	The 1/4 Sec. Cor. of Secs. 25 and 36 of T. 20 E., R. 21 S., G. & S. R. M., Arizona, bears S. 50°33' W., 275.20 ft. dist., previously described.
	Thence N. 14°54' W.
41.98	End center Connecting Links lode of this survey, previously described.
198.76	Gulch, 10 ft. wide, course N. 70° W.
299.51	Intersect Cor. No. 2 of the Connecting Links lode of this survey, previously described.
407.77	Lode line; discovery point bears N. 32°28' E., 625 ft. dist.
510.76	Gulch, 16 ft. wide, course N. 4° E. before and N. 77° E. after crossing this line.
775.76	Howell Gulch, 50 ft. wide, course N. 62° W.
815.55	Cor. No. 2, falling on line 4-1 of the Chief Justice lode, of this survey, previously described.
	Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. ML-2-CJ-4-1-4599.
	Thence N. 32°28' E.
235	Howell Gulch, 30 ft. wide, course S. 7° E.
515	Howell Gulch, 60 ft. wide, course S. 53° W. below this point and N. 45° W. to this point.
865.25	Intersect line 4-1 of the L.P.W. No. 2 lode of this survey, at a point from which Cor. No. 1 bears S. 72°11' W., 111.55 ft. dist.
1500.0	Cor. No. 3.
	Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. ML-3-4599.
	Thence S. 14°54' E.
406.13	Intersect line 4-1 of the L.P.W. No. 2 lode of this survey.
407.78	Lode line; discovery point bears S. 32°28' W., 875 ft. dist.
815.55	Cor. No. 4, falling on line 3-4 Sur. No. 2130 Rad Crow lode, at a point from which Cor. No. 4 bears N. 32°28' E., 111.68 ft. dist.
	Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. ML-4-4599.
	Thence S. 32°28' W.
301	Howell Gulch, 55 ft. wide, course N. 81° W.
1020	Gulch, 5 ft. wide, course N. 20° W.
1113	Gulch, 3 ft. wide, course N. 18° W.
1245.85	Intersect line 2-3 of the Connecting Links lode of this survey.
1380	Gulch, 20 ft. wide, course N. 22° W.
1389.14	Intersect Cor. No. 3 Sur. No. 2130 Rad Crow lode.
1500.0	Cor. No. 1, and place of beginning.



Feet Chains	
	L.P.W. No. 2 LODE
	Beginning at Cor. No. 1 of the L.P.W. No. 2 lode.
	Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. LPW2-1-4599; from which
	The 1/4 Sec. Cor. of Secs. 25 and 36 of T. 20 S., R. 21 E., G. & S.R.M., Arizona, bears S. 12°16'50" W., 1697.69 ft. dist., previously described.
	Thence N. 47°49' W.
346.41	Lode line; discovery point bears N. 72°11' E., 1000 ft. dist.
692.82	Cor. No. 2.
	Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. LPW2-2-4599.
	Thence N. 72°11' E.
1500.0	Cor. No. 3.
	Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. LPW2-3-4599.
	Thence S. 47°49' E.
75	Gulch, 3 ft. wide, course S. 35° W.
346.41	Lode line; discovery point bears S. 72°11' W., 500 ft. dist.
692.82	Cor. No. 4.
	Set an iron pipe, 1-1/2 ins. diam., 24 ins. long, 18 ins. in the ground, with a mound of stone alongside, mkd. LPW2-4-4599.
	Thence S. 72°11' W.
465	Gulch, 5 ft. wide, course S. 5° E.
750	Gulch, 3 ft. wide, course S. 10° E.
920.86	Intersect line 3-4, Mother Lode lode of this survey.
1388.45	Intersect line 2-3, Mother Lode lode of this survey.
1500.0	Cor. No. 1, and place of beginning.

AREAS	
	Acres
Total area, Mary and George lode .....	19.616
Total area, Woolery lode .....	20.661
Total area, Pass Over lode .....	20.661
Total area, Brother George lode .....	20.661
Total area, Rare Metals lode .....	20.661
Total area, Father Lode lode .....	19.976

	Acres
Total area, Sweet-Heart lode-----	20.661
Area in conflict with--	
Sur. No. 3744 Bald Eagle lode-----	0.622
Total area, Connecting Links lode-----	10.796
Area in conflict with--	
Mary Jo lode of this survey-----	3.215
Mary Jo lode of this survey exclusive of its conflict with	
Sur. No. 3744 Bald Eagle lode-----	3.026
Sur. No. 3744 Bald Eagle lode-----	0.518
Sur. No. 2130 Rad. Crew lode-----	3.240
Mother Lode lode of this survey-----	0.643
Total area, Mary Jo lode-----	18.285
Area in conflict with--	
Sur. No. 3744 Bald Eagle lode-----	0.189
Total area, Chief Justice lode-----	20.661
Total area, Mother Lode lode-----	20.661
Area in conflict with--	
L.P.W. No. 2 of this survey-----	2.177
Total area, L.P.W. No. 2 lode-----	20.661

#### LOCATION

This survey is located in the S<sup>2</sup> of Sec. 25 and the N<sup>2</sup> of Sec. 36, both of T. 20 S., R. 21 E., G. & S. R. B. & M., Cochise County, Arizona. The survey of the twelve lodes is identical with their respective locations or amended locations as marked on the ground.

#### EXPENDITURES

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

- No. 1 The discovery point of the Mary and George lode, being on the lode line 200 ft. from the center of line 2-3.  
No value.
- No. 2 A shaft, 4 x 6 ft. in size, 6 ft. deep, the center of which bears N. 53°30' W., 335 ft. from Cor. No. 3, Mary and George lode.  
Value, \$75.
- No. 1 The discovery point of the Woolery lode, being on the lode line 425 ft. from the center of line 1-2.  
No value.
- No. 2 A shaft, 6 x 6 ft. in size, 6 ft. deep, the center of which bears S. 10°00' W., 450 ft. from Cor. No. 2, Woolery lode.  
Value, \$100.
- No. 1 The discovery point of the Pass Over lode, being on the lode line 125 ft. from the center of line 1-2.  
No value.
- No. 2 A shaft, 4 x 6 ft. in size, 4 ft. deep, the center of which bears N. 74°30' W., 270 ft. from Cor. No. 1, Pass Over lode.  
Value, \$50.
- No. 1 The discovery point of the Brother George lode, being on the lode line 95 ft. from the center of line 1-2.  
No value.



No. 2	A shaft, 5 x 6 ft. in size, 84 ft. deep; timbered, with a crosscut running South, 15 ft. at the 50-foot level and with drifts running East and West a total of 100 feet at the 80-foot level. The center of the shaft bears S. 2°00' E., 270 ft. from Cor. No. 1, Brother George lode. Value of shaft and lateral workings, \$3,000.
No. 3	A cut, 5 ft. wide, the face of which bears South, 310 ft. from Cor. No. 1, Brother George lode; runs South, 45 ft. to portal of an adit, 4 x 6 ft. in size, runs S. 10°00' E., 60 ft. to breast. Value of cut and adit, \$2,500.
No. 1	The discovery point of the Rare Metals lode, being on the lode line 30 ft. from the center of line 1-2. No value.
No. 2	An open cut, 5 ft. wide, the face of which bears N. 16°00' W., 305 ft. from Cor. No. 2, Rare Metals lode; runs West 6 ft. to 4 ft. face. Value, \$30.
No. 1	The discovery point of the Father Lode lode, being on the lode line 40 ft. from a point on line 4-1, 274.76 ft. from Cor. No. 4. No value.
No. 2	A shaft, 5 x 6 ft. in size, 3 ft. deep, the center of which bears S. 31°30' E., 275 ft. from Cor. No. 1, Father Lode lode. Value, \$50.
No. 1	The discovery point of the Sweet-Heart lode, being on the lode line 450 ft. from the center of line 1-2. No value.
No. 2	A shaft, 4 x 6 ft. in size, 8 ft. deep, the center of which bears S. 40°15' E., 575 ft. from Cor. No. 1, Sweet-Heart lode. Value, \$100.
No. 1	The discovery point of the Connecting Links lode, being on the lode line 300 ft. from a point on line 1-2; 342.47 ft. from Cor. No. 1. No value.
No. 2	A shaft, 5 x 6 ft. in size, 4 ft. deep, the center of which bears N. 50°00' E., 290 ft. from Cor. No. 1, Connecting Links lode. Value, \$60.
No. 1	The discovery point of the Mary Jo lode, being on the lode line 140 ft. from the center of line 4-1. No value.
No. 2	A shaft, 5 x 6 ft. in size, 88 ft. deep; timbered, with drifts running East and West a total of 100 feet at the 45-foot level, and with drifts running East and West a total of 100 feet at the 63-foot level. The center of the shaft bears S. 19°00' E., 305 ft. from Cor. No. 1, Mary Jo lode. Value of shaft and lateral workings, \$4,000.
No. 1	The discovery shaft of the Chief Justice lode; the center of which being the discovery point, is on the lode line 40 ft. from the center of line 1-2, 4 x 6 ft., 16 ft. deep, partly timbered and now covered by mine-dump. Value, \$500.



## Claims

21

No. 1 The discovery point of the Mother Lode lode, being on the lode line 625 ft. from the center of line 1-2.  
No value.

No. 2 A shaft, 6 x 6 ft. in size, 3 ft. deep, the center of which bears N. 73°00' E.; 490 ft. from Cor. No. 2, Mother Lode lode.  
Value, \$50.

No. 1 The discovery point of the L.P.W. No. 2 lode, being on the lode line 500 ft. from the center of line 3-4.  
No value.

No. 2 A shaft, 4 x 6 ft. in size, 8 ft. deep, the center of which bears N. 80°30' E., 245 ft. from Cor. No. 3, Mother Lode lode.  
Value, \$100.

Interests in common improvements described as follows:

A vertical shaft, 4 x 6 ft. in size, 55 ft. deep, the center of which bears S. 78°30' E., 625 ft. from Cor. No. 4, Brother George lode, with crosscuts running North and South a total of 30 feet on the 55-foot level.

Value of shaft and lateral work, \$1,800.

A trench; 10 ft. wide and with an average depth of 10 ft., 120 ft. long, the Northernmost end of which bears N. 79°00' E., 420 ft. from Cor. No. 4, Brother George lode, and which runs S. 4°00' W., 120 ft. from that point to the South end thereof.

Value, \$3,000.

These improvements were undertaken for the purpose of developing the Mary and George, Brother George, and Woolery lodes, which are all contiguous lodes owned in common within the range of benefit of said development. \$500. or more has been expended in these improvements in such a manner as tends to the development of the aforementioned three lodes of this survey subsequent to their locations and to the time since which common interest and contiguity have prevailed, therefore an undivided one-third interest in their total value is hereby credited to each of said lodes. No portion of, or interest in any of the above listed improvements has been credited heretofore as patent expenditure to any lode claim.

Interests in common improvements described as follows:

A sidehill cut, 60 ft. wide by 250 ft. in length and with a maximum height on the high (South) side of 20 ft., the Southeasternmost corner of which bears S. 4°00' W., 280 ft. from Cor. No. 1, Brother George lode, and whose face bears S. 75°00' W., 250 ft. from said Southeasternmost corner.

Value, \$5,000.

An open pit, of irregular dimensions but having maximum dimensions of 200 x 250 ft. and depths up to 60 ft., all lying within the NWly portion of the Mary Jo lode.

Value, \$60,000.

A churn drill hole, 6 ins. diam., and 345 ft. deep, the center of which bears N. 13°30' E., 170 ft. from Cor. No. 4, Mary Jo lode.

Value, \$2,070.

Chairs

A diamond drill hole, 2 ins. diam., 148 ft. deep, the center of which bears S. 32°00' W., 430 ft. from Cor. No. 1, Brother George lode.

Value, \$450.

A diamond drill hole, 2 ins. diam., 475 ft. deep, the center of which bears N. 55°00' W., 255 ft. from Cor. No. 2, Brother George lode.

Value, \$1,425.

A diamond drill hole, 2 ins. diam., 181 ft. deep, the center of which bears N. 19°00' W., 160 ft. from Cor. No. 2, Brother George lode.

Value, \$937.29

A diamond drill hole, 2 ins. diam., 240 ft. deep, the center of which bears N. 6°00' E., 235 ft. from Cor. No. 4, Mary Jo lode.

Value, \$1,440.

A diamond drill hole, 2 ins. diam., 268 ft. deep, the center of which bears N. 16°00' E., 185 ft. from Cor. No. 4, Mary Jo lode.

Value, \$1,608.

A diamond drill hole, 2 ins. diam., 267 ft. deep, the center of which bears N. 32°00' E., 255 ft. from Cor. No. 4, Mary Jo lode.

Value, \$1,560.

These improvements were undertaken for the purpose of developing the twelve lodes of this survey, which are all contiguous lodes owned in common within the range of benefit of said development. \$500. or more has been expended in these improvements in such a manner as tends to the development of said twelve lodes subsequent to their location and to the time since which common interest and contiguity have prevailed, therefore an undivided one-twelfth interest in their total value is hereby credited to each of said twelve lodes. No portion of, or interest in any of the abovelisted improvements has been credited heretofore as patent expenditure to any lode claim.

Interests in common improvements described as follows:

A churn drill hole, 6 ins. diam., 250 ft. deep, the center of which bears S. 20°30' E., 495 ft. from Cor. No. 3, Chief Justice lode.

Value, \$2,000.

This improvement was undertaken for the purpose of developing the Pass Over, Chief Justice, Mother Lode, and L.P.W. No. 2 lodes, which are all contiguous lodes owned in common within the range of benefit of said development.

It will be noted that the major area of mineralization lies to the South of the contact between the granite (to the North) and the flow-rocks (to the South), said contact being followed roughly by the channel of Howell Gulch flowing West across the Northerly portion of the Pass Over and Chief Justice lodes. It was for the purpose of exploring this contact and its possibilities as to ore-deposition that the said improvement was undertaken. \$500. or more has been expended in these improvements in such a manner as tends to the development of the aforementioned four lodes of this survey subsequent to their location and to the time since which



**Exhibit**

common interest and contiguity have prevailed; therefore an undivided one-fourth interest in their total value is hereby credited to each of said lodes. No portion of, or interest in any of the abovelisted improvements has been credited heretofore as patent expenditure to any claim.

**OTHER IMPROVEMENTS**

Incline-track, skip, engine and hoist, ore-bin, ore-washing plant powered by internal combustion engine. Value, \$20,000.

Claimant herein.

A well, 13 x 5 ft. in size, 22-ft. deep, the center of which bears N. 47° 30' W., 435 ft. from Cor. No. 3, Mary Jo lode. Collar concreted, depth of water, 16 ft. Value, \$200.

Claimant herein.

An "L" shaped frame residence, 27 x 34 ft. in size on the legs of the "L", the NE. corner of which bears West, 170 ft. from Cor. No. 1, Chief Justice lode. The long side bears N. 21° E.

Claimant herein.

A frame residence, 13 x 22 ft. in size, the NE. corner of which bears S. 75° W., 200 ft. from Cor. No. 1, Chief Justice lode. The long side bears N. 70° W.

Claimant herein.

A concrete slab, 120 x 130 ft. in size, the NW. corner of which bears S. 82° 00' E., 140 ft. from Cor. No. 1, Brother George lode. The long sides bear N. 81½° E., and the slab serves as a foundation and floor for various machinery, ore-bins, and concentrate-drying and storage comprising the mill for processing the ore from this operation.

Claimant herein.

A frame furnace-room building, 13.5 x 28.5 ft. in size, the NW. corner of which bears N. 89° 00' E., 225 ft. from Cor. No. 2, Chief Justice lode. The long sides bear North-South.

Claimant herein.

A frame office building, 16 x 24 ft. in size, the NW. corner of which bears N. 84° 00' E., 285 ft. from Cor. No. 2, Chief Justice lode. The long sides bear North-South.

Claimant herein.

A frame shop, 12 x 30 ft. in size, the SW. corner of which bears N. 79° 00' E., 290 ft. from Cor. No. 2, Chief Justice lode. The long sides bear North-South.

Claimant herein.

A circular steel water tank, 15 ft. in diam., and 30 ft. high, the center of which bears N. 88° 00' E., 640 ft. from Cor. No. 4, Mary Jo lode.

Claimant herein.

**OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA**

Sur. No. 2130 Bad Crow lode: Cor. No. 2 was a stone mound, in which I set an open iron pipe, ¾ ins. diam., falling S. 32° 24' W., 496.45 ft. from a point on line 243, Sur. No. 3744 Bald Eagle lode lying S. 6° 58' 30" E., 6.3 ft. dist. from Cor. No. 3 of said Bald



XXXXX

Eagle lode, Cor. No. 3 was reset from the W.C., 58.0 ft. therefrom, and line 2-3 was found to be N. 53°16' W., 601.4 ft. with an end-center post at 301.0 ft. from Cor. No. 2; Cor. No. 4 was a post, 4 x 4 ins., bearing faint markings and set in a stone mound; line 3-4 was found to be N. 32°28' E., 1500.82 ft.

Sur. No. 3744 Bald Eagle lode: Cors. Nos. 1, 2, and 3 were wooden posts, 4 x 4 ins., set in stone mounds and whitewashed. Line 2-3 was found to be N. 6°58'30" W., 610.57 ft. with an end-center post at 305.45 ft. from Cor. No. 2.

The West half of the line common to Secs. 25 and 36 was found to be N. 89°56'17" E., 2639.64 ft., and the S'yly line of Sec. 26 was found to be N. 89°52' W., .17.55 ft. to the closing corner on the E'yly line of the San Juan de las Boquillas y Nogales Private Land Grant.

FIELD ASSISTANTS

- Frank Vasquez----- Chairman
- Joe D. Alvarez----- Chairman
- Albert Maldonado----- Rodman
- William Featherman----- Rodman

OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

Sur. No. 2130 Bald Eagle lode: Cor. No. 3 was a stone mound, in which I set an open iron pipe, 3/4 in. diam., falling S. 32°28' W. 493.45 ft. from a point on line 2-3, Sur. No. 3744 Bald Eagle lode lying S. 6°58'30" E., 6.3 ft. dist. from Cor. No. 3 of said Bald

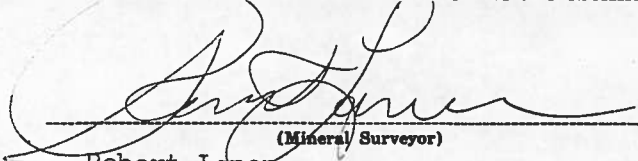
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

December 8th, 1962

I, ROBERT LENON,  
 Mineral Surveyor, hereby certify upon honor that in pursuance of an order received from the \_\_\_\_\_  
Bureau of Land Management, at Phoenix, Arizona  
 dated September 5, 1962, I have faithfully and correctly executed the survey of  
 the mining claim of Charleston Mines,  
 known as the Mary Jo Group (Lodes)  
(Lode, placer, or mill site)  
 situate in Cochise County, Arizona  
 T. 20 S., R. 21 E., G. & S. R. Base and Meridian, Arizona, and  
(State)  
 designated as Survey No. 4599, 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.

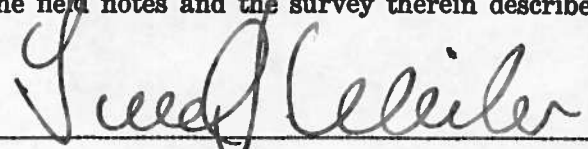
P. O. Box 525 Patagonia, Ariz.  
(Place)

  
 Robert Lenon  
(Mineral Surveyor)

CERTIFICATE OF APPROVAL

Bureau of Land Management, State Office  
(Office)  
Phoenix, Arizona March 5, 1963  
(Place) (Date)

The foregoing field notes of mineral survey No. 4599, in Tombstone Mining District  
Arizona, Secs. 25, 36, T. 20 S., R. 21 E., G. & S. R. Meridian,  
Arizona, executed by Robert Lenon, Mineral Surveyor,  
(State)  
 under order dated September 5, 1962, 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.

  
 Fred J. Weiler  
 State Director  
(Title)

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of field notes of the above described mineral survey No. \_\_\_\_\_  
is a true copy of the original field notes.

\_\_\_\_\_  
 \_\_\_\_\_  
(Title)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

December 8th 1963

ROBERT LEWIS

I, Surveyor, hereby certify upon record that in presence of an order received from the Bureau of Land Management, Phoenix, Arizona, on September 5, 1963, I have faithfully and correctly conducted the survey of the mining claim of Charles E. Munn, Harry Jo Group, located in Coconino County, Arizona, T. 30 S., R. 21 E., S. 4 S., B. 4 S., R. Base and Meridian, Arizona, which is represented in the foregoing field notes as having been located by me and others on the ground in accordance with the provisions of the Federal Land Management Act of the United States and in the specific manner described therein. I do further certify that the laws, regulations and requirements have been faithfully followed in the conduct of the said survey. The location of the claim is shown by the attached plat of the same.

I hereby certify that the foregoing field notes and plat are true and correct copies of the original field notes and plat, and that no alterations or additions have been made to the original field notes and plat. The original field notes and plat are on file in my office at Phoenix, Arizona.

CERTIFICATE OF APPROVAL  
I, Surveyor, hereby certify that the foregoing field notes and plat are true and correct copies of the original field notes and plat, and that no alterations or additions have been made to the original field notes and plat. The original field notes and plat are on file in my office at Phoenix, Arizona.

CERTIFICATE OF TRANSCRIPT  
I hereby certify that the foregoing transcript of field notes of the above described mining claim is a true copy of the original field notes.