

SEP. 12 1910

11-12-10.

F. L.

(4-683.)

Mineral Survey No. 2852

Lot No.

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Peter Johnson

KNOWN AS THE

SOUTHERN GOLD, OLD GOLD, GOLDEN CHARIOT, and WESTERN GOLD

Casa Grande Mining District,

Pinal County, Arizona

Section Approx. Township 9 S., Range 4 E., G. & S. R. B. & M. Unsur.

Surveyed under instructions dated August 15, 1910.

by H. W. Jorgensen
U. S. Deputy Mineral Surveyor

Claim located See Location Notices, 1910.

Survey commenced August 19, 1910.

Survey completed August 23, 1910.

Address of:

Claimant's attorneys, Neale & Sutter, Bisbee, Arizona.

Feet.

SURVEY NO. 2852.

Western Gold lode.

- Beginning at Cor.No.1,a corner of location,a pine post 4 ins. square,3 ft. above ground,in a monument of stones 3 ft. in diameter at base and $1\frac{1}{2}$ ft. high,marked NECWG. I scribe the post on its S.W.side,1-2852 WGL. Whence,
- X) A cross and BT 2852 scribed on a palo verde tree 6 ins in diameter bears N.2°W.,25.10 ft.
- X) Similar scribing on a palo verde tree 5 ins. in diameter bears S.70°E.,24.15 ft.
- X) U.S.L.M. No.1353 bears N.43°37'W.,922.6 ft.
Thence S.31°10'E. Variation,13°E.
300. Location post for East center end,a pine post 4 ins. square,3 ft. above ground in a monument of stones,marked ECEWG. I scribe the post on its West side,2853.
- 600.0 To Cor.No.2,identical with location,on the North side line of the Old Gold lode of this survey,a pine post 4 ins. square,3 ft. above ground in a monument of stones 3 ft. in diameter at base and $1\frac{1}{2}$ ft. high,marked SECWG. I scribe the post on its West side,2-2852 WGL. Whence,
X) A cross and BR 2-2852 chiseled on limestone bedrock bear S.73°20'W.,10.30 ft.,and S.3°E.,17.75 ft.
Thence S.56°52'W. Variation,13°15'E.
- 261.5 Top of limestone bluff,nearly vertical,30 ft. high.
- 541.5 Cross dry ravine,course N.30°E.
- 748.5 Cors. Nos1 and 1 of the Old Gold and Golden Chariot lodes of this survey.
- 1039.5 Intersect surface tramway to mill course N.58°W. and S.58°E.
- 1364.9 Intersect narrow gauge track to mill,course N.5°E.,and S.5°W.
- 1498.4 To Cor.No.3,identical with location and with the S.E. corner of the Golden Rule lode,unsurveyed,on the North side line of the Golden Chariot lode of this survey,a

Feet. SURVEY NO. 2852. Western Gold lode, continued.

pine post 4 ins. square, 3 ft. above ground in a monument of stones 3 ft. in diameter at base and 2 ft. high, marked SWCWG. I scribe the post on its N.E. side, 3-2852 WGL. Whence,

✕ A cross and BR 3-2852 chiseled on the sloping face of limestone bedrock bears S. 5°20' W., 15.70 ft.

✕ Similar chiseling on a limestone boulder 8 x 12 ins., 12 ins. above ground bears S. 79°15' E., 20.55 ft.

Thence N. 31°10' W. Variation, 13°15' E.

300. Location post for West center end, identical with the East center end of the Golden rule lode, unsurveyed, a pine post 4 ins. square, 3 ft. above ground in a monument of stones, marked WCEWG. I scribe the post on its East side, 2852.

395. Cross dry ravine, course S. 60° W.

600.0 To Cor. No. 4, identical with location and with the N.E. corner of the Golden Rule lode, unsurveyed, a pine post 4 ins. square, 2½ ft. above ground in a monument of stones 3 ft. in diameter at base and 1½ ft. high, marked NWCWG. I scribe the post on its East side, 4-2852 WGL. Whence,

✕ A cross and BR 4-2852 chiseled on limestone bedrock bear S. 11°14' E., 16.70 ft., and S. 71°49' E., 42.85 ft.

Thence N. 56°52' E. Variation 13°10' E.

1498.4 To Cor. No. 1, the place of beginning.

Old Gold lode.

Beginning at Cor. No. 1, identical with location and with Cor. No. 1 Golden Chariot lode of this survey, on the south side line of the Western Gold lode of this survey, a pine post 4 ins. square, 3 ft. above ground in a monument of stones 3 ft. in diameter at base and 2 ft. high, marked NWCWG. I scribe the post on its East face, 1-2852 OGL.

Whence,

✕ A cross and BR 1-1-2852 chiseled on limestone bedrock bear N. 88°40' W., 11.55 ft., and S. 27° E., 23.55 ft.

Feet. SURVEY NO. 2852. Old Gold lode, continued.

~~★~~ U.S.L.M. No. 1353 bears N. 11° 23' W., 1622.3 ft.
 Thence N. 56° 52' E. Variation, 13° 15' E.

207. Cross dry ravine, course N. 30° E.

487. Top of limestone bluff, nearly vertical, 30 ft. high.

748.5 Cor. No. 2 Western Gold lode of this survey.

1500.0 To Cor. No. 2, identical with location, a pine post 4 ins. square, 3 ft. above ground in a monument of stones 3 ft. in diameter at base and 2 ft. high, marked NECOG. I scribe the post on its South face, 2-2852 OGL.
 No bearing objects available.
 Thence S. 31° 10' E. Variation, 13° 15' E.

300. Location post for East center end, a pine post 4 ins. square, 3 ft. above ground, in a monument of stones, marked ECEOG. I scribe the post on its West face, 2852.

600.0 To Cor. No. 3, identical with location, a pine post 4 ins. square, 3 ft. above ground in a monument of stones 3 ft. in diameter at base and 1½ ft. high, marked SECOG. I scribe the post on its West face, 3-2852 OGL. Whence,
~~★~~ A cross and BT 2852 scribed on a palo verde tree, 8 ins. in diameter bears S. 44° 25' E., 42.05 ft.
~~★~~ Similar scribing on a palo verde tree, 5 ins. in diameter bears N. 29° 17' E., 35.15 ft.
 Thence S. 56° 52' W. Variation 13° 15' E.

504. Cross dry ravine, course N. 30° E.

750.9 Cor. No. 1, Southern Gold lode of this survey.

810. Top of limestone bluff, 20 ft. high.

1500.0 To Cor. No. 4, identical with location and with Cor. No. 2 Golden Chariot lode of this survey, on the North side line of the Southern Gold lode of this survey, a pine post 4 ins. square, 3 ft. above ground in a monument of stones 3 ft. in diameter at base and 1½ ft. high, marked SWCOG. I scribe the post on its North face 4-2852 OGL.
 Whence,

Feet.	SURVEY NO.2852. Old Gold lode, continued.
	X A cross and BR 4-2-2852 chiseled on limestone bedrock bear S.76°55'E., 23.35 ft., and N.53°33'W., 23.90 ft.
	Thence N.31°10'W. Variation, 13°15'E.
300.0	Location post for West center end, identical with East center end of the Golden Chariot lode of this survey, a pine post 4 ins. square, 3 ft. above ground in a monument of stones 3 ft. in diameter at base and 2 ft. high, marked WCEOG. I scribe the post on its East face, 2853.
600.0	To Cor.No.1, the place of beginning.
	Golden Chariot lode.
	Beginning at Cor.No.1, identical with location and with Cor.No.1 Old Gold lode of this survey, on the South side line of the Western Gold lode of this survey, a pine post as previously described, marked on its South face NECGC. I add by scribing 1-2852 GCL. Whence,
	X U.S.L.M. No.1353 bears N.11°23'W., 1622.3 ft.
	Thence S.31°10'E. Variation 13°15'E.
300.0	Location post for East center end, identical with West center end of Old Gold lode of this survey, a post as previously described, marked on its West face, ECEGC.
600.0	To Cor.No.2, identical with location and with Cor.No.4 Old Gold lode of this survey, on the North side line of Southern Gold lode of this survey, a post as previously described marked on its West face SECGC. I add by scribing 2-2852 GCL.
	Thence S.56°52'W. Variation 13°15'E.
749.2	Cor.No.4 Southern Gold lode of this survey and N.E. corner of Golden Fleece lode, unsurveyed.
1049.2	North center end Golden Fleece lode, unsurveyed, a pine post 4 ins. square 2½ ft. above ground in a monument of stones.
1348.6	N.W. corner Golden Fleece lode, unsurveyed, a pine post

- Feet. SURVEY NO. 2852. Golden Chariot lode, continued.
- 1498.4 4 ins. square, $2\frac{1}{2}$ ft. above ground in a monument of stones.
To Cor. No. 3, identical with location, a pine post 4 ins. square, $2\frac{1}{2}$ ft. above ground in a monument of stones 3 ft. in diameter at base and $1\frac{1}{2}$ ft. high, marked SWCGC. I scribe on the North face of the post, 3-2852 GCL. Whence, ~~X~~ A cross and BR 3-2852 chiseled on limestone bedrock bear N. $3^{\circ}25'$ E., 61.70 ft., and N. $81^{\circ}47'$ W., 85.40 ft.
Thence N. $31^{\circ}10'$ W. Variation $13^{\circ}15'$ E.
300. Location post for West center end, a pine post 4 ins. square, 3 ft. above ground in a monument of stones, marked WCEGC. I add by scribing, 2852.
- 600.0 To Cor. No. 4, identical with location, on the South side line of the Golden Rule lode, unsurveyed, a pine post 4 ins. square, 3 ft. above ground in a monument of stones 3 ft. in diameter at base and $1\frac{1}{2}$ ft. high, marked NWCGC. I scribe the post on its East face, 4-2852 GCL. Whence, ~~X~~ A cross and BR 4-2852 chiseled on limestone bedrock bear S. $55^{\circ}30'$ E., 7.97 ft., and N. 34° E., 37.50 ft.
Thence N. $56^{\circ}52'$ E. Variation, $13^{\circ}15'$ E.
- 748.5 The S.E. corner of the Golden Rule lode, unsurveyed, and Cor. No. 3 Western Gold lode of this survey.
882. Intersect narrow gauge track to mill, course N. 5° E., and S. 5° W.
- 1207.4 Intersect surface tramway to mill, course N. 58° W. and S. 58° E.
- 1498.4 To Cor. No. 1, the place of beginning.

Southern Gold lode.

Beginning at Cor. No. 1, identical with location, on the South side line of the Old Gold lode of this survey, a pine post 4 ins. square, $2\frac{1}{2}$ ft. above ground in a monument of stones 3 ft. in diameter at base and $1\frac{1}{2}$ ft. high, marked NECSG. I scribe the post on its South face,

- Feet. SURVEY NO. 2852. Southern Gold lode, continued.
- 1-2852 SGL. Whence,
- ~~✱~~ A cross and BR 1-2852 chiseled on limestone bedrock bears S.71°05'E., 8.62 ft.
- ~~✱~~ Similar chiseling on a limestone boulder 10 x 5 ft., 4 ft. high bears S.77°W!, 5.50 ft.
- ~~✱~~ U.S.L.M. No. 1353 bears N.36°34'W., 2109.4 ft.
- Thence S.31°10'E. Variation, 13°15'E.
60. Cross dry ravine, course N.30°E.
300. Location post for East center end, a pine post 4 ins. square, 3 ft. above ground in a monument of stones, marked ECESG. I scribe 2852 on the West face of the post.
- 600.0 To Cor. No. 2, identical with location and with the N.E. corner of the Golden Era lode, unsurveyed, a pine post 4 ins. square, 2½ ft. above ground in a monument of stones 3 ft. in diameter at base and 1½ ft. high, marked SECSG. I scribe the post on its West face, 2-2852 SGL. Whence,
- ~~✱~~ A cross and BR 2-2852 chiseled on a limestone boulder 2½ x 1 ft., 15 ins. above ground bears S.67°40'W., 9.70 ft.
- ~~✱~~ Similar chiseling on limestone bedrock bears S.28°22'E. 10.20 ft.
- Thence S.56°52'W. Variation, 13°15'E.
- 1498.3 To Cor. No. 3, identical with location and with the N.W. corner of the Golden Era lode, unsurveyed, on the East side line of the Golden Fleece lode, unsurveyed, a pine post 4 ins. square, 2½ ft. above ground in a monument of stones 3 ft. in diameter at base and 1½ ft. high, marked SWCSG. I scribe 3-2852 SGL on the North face of the post. Whence,
- ~~✱~~ A cross and BR 3-2852 chiseled on limestone bedrock bear S.21°E., 6.65 ft., and East, 9.15 ft.
- Thence N.31°10'W. Variation, 13°15'E.
290. Cross dry ravine, course S.65°W.
300. Location post for West center end, a pine post 4 ins.

- Feet. SURVEY NO. 2852. Southern Gold lode, continued.
square, $2\frac{1}{2}$ ft. above ground in a monument of stones,
marked WCESG. I scribe 2852 on the East face of the post.
467. Top of steep limestone bluff.
- 600.0 To Cor. No. 4, identical with location and with the N.E.
corner of the Golden Fleece lode, unsurveyed, on the South
side line of the Golden Chariot lode of this survey, a
pine post 4 ins. square, $2\frac{1}{2}$ ft. above ground in a monu-
ment of stones 3 ft. in diameter at base and $1\frac{1}{2}$ ft. high,
marked NWCSG. I scribe 4-2852 SGL on the East face of
the post. Whence,
✱ A cross and BR 4-2852 chiseled on limestone bedrock
bears S. $28^{\circ}44'$ E., 9.25 ft., and N. $63^{\circ}15'$ E., 23.0 ft.
Thence N. $56^{\circ}52'$ E. Variation, $13^{\circ}15'$ E.
- 749.2 Cors. No. 2 and 4 of the Golden Chariot and Old Gold
lodes, respectively, of this survey.
- 1439.2 Top of limestone bluff, 20 ft. high.
- 1498.3 To Cor. No. 1, the place of beginning.

LODE LINES.

The presumed courses of the lode lines of the several
locations embraced in this survey extend as follows from
their respective discovery points:

Western Gold lode. S. $56^{\circ}52'$ W., 749.9 ft., and N. $56^{\circ}52'$ E.,
748.5 ft.

Old Gold lode. S. $56^{\circ}52'$ W., 245.0 ft., and N. $56^{\circ}52'$ E.,
1255.0 ft.

Golden Chariot lode. S. $56^{\circ}52'$ W., 1418.4 ft., and N. $56^{\circ}52'$ E.,
80.0 ft.

Southern Gold lode. S. $56^{\circ}52'$ W., 775.2 ft., and N. $56^{\circ}52'$ E.,
723.1 ft.

AREAS.

Western Gold lode, Total area, 20.627 Acres.

Old Gold lode, Total area, 20.649 Acres.

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Golden Chariot lode, Total area, 20.627 Acres. ✓
 Southern Gold lode, Total area, 20.626 Acres. ✓

LOCATION.

This survey is located on unsurveyed land, approximately in T. 9 S., R. 4 E., G. & S. R. B. & M., in the Casa Grande Mining District, Pinal County, Arizona.

EXPENDITURE OF FIVE HUNDRED DOLLARS.

I certify that the value of the labor and improvements made upon, or for the benefit of, each of the locations embraced in this survey by the claimant or his grantors is not less than five hundred dollars, and that said improvements consist of:

Western Gold lode.

- No.1 From a point on line 2-3, 748.5 ft. from Cor. No. 2, Discovery shaft, 4 x 6 x 8½ ft., bears ~~from Cor. No. 1 Old Gold lode~~, N. 31°10' W., 300.0 ft., value, \$ 75.00
- No.2 Incline shaft, 4 x 6 x 10 ft., bears ~~from Cor. No. 1 Old Gold lode~~, N. 56°30' W., 96. ft., value, 100.00
- No.3 Shaft, 4 x 6 x 8 ft. partly filled in, bears ~~from Cor. No. 1 Old Gold lode~~, N. 68°30' W., 115 ft. value, 75.00
- No.4 Shaft, 4 x 6 x 13 ft., bears ~~from Cor. No. 1 Old Gold lode~~, N. 85°20' W., 178 ft., value, 130.00
- No.5 Shaft, 4 x 6 x 8 ft., partly filled in, bears ~~from Cor. No. 1 Old Gold lode~~, N. 89° W., 210 ft., value, 75.00
- No.6 Incline shaft, 4 x 4 x 10 ft., bears from the West center end, N. 8° E., 211 ft., value, 75.00
- No.7 Cut, 4 x 10 x 4 ft., bears from the West center end, N. 19°40' E., 225 ft.
- No.8 Open cut, 4 x 10 ft., 10 ft. face bears from the West center end, N. 20° E., 260. ft., value, 75.00
- No.9 Tunnel, 4 x 6 ft., extending N. 75° W., 8.0 ft., the mouth of which bears from Cor. No. 2, N. 76°30' W., 317 ft., value, 80.00

Old Gold lode.

- No.1 Discovery shaft, 4 x 6 x 10 ft., bears from the West center end, N. 56°52' E., 245 ft., value, \$100.00
- No.2 Open cut, 5 x 12 ft., 5 ft. face, bears from the West center end, S. 42°50' E., 75 ft.,
- No.3 Tunnel 4 x 6 ft., extending S. 15° E., 30 ft., thence

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	East, 10 ft.; the mouth of which bears from the West center end, East, 8. ft., value	\$400.00
	<i>From a point on line 3-4, 750.9 ft. from Cor. No. 3.</i>	
No. 4	Shaft, 4 x 6 x 73 ft., bears from Cor. No. 1 Southern Gold lode , N. 8°40' W., 200 ft., value,	800.00
No. 5	Tunnel, 4 x 6 ft., extending S. 70° W., 33 ft., the mouth of which bears from Cor. No. 1 Southern Gold lode , N. 54°45' W., 245 ft., value,	330.00
	Golden Chariot lode.	
No. 1	Discovery shaft, 6 x 6 x 12 ft., bears from the East center end, S. 56°52' W., 80 ft., value,	\$ 120.00
No. 2	Cut, 4 x 6 ft., extending S. 56° W., 20 ft., the east end of which bears from the East center end, S. 45° W., 45 ft., value	100.00
	From point on center line, 131.6 ft. from the East center end.	
No. 3	Shaft, 4 x 8 x 65 ft.; timbered, bears S. 8°30' W. 115 ft., value,	950.00
No. 4	Shaft, 4 x 6 x 57 ft., bears N. 72° W., 15 ft., value,	600.00
No. 5	Incline shaft, 4 x 6 x 60 ft., bears S. 69° W., 55 ft., value,	650.00
No. 6	Open cut, 4 x 25 ft., 10 ft. face running S. 30° E. from the face of which a tunnel 6 x 10 ft. extends S. 30° E., 12 ft. In the tunnel is a stope 12 x 15 x 4 ft. Face of cut bears N. 28° W., 86 ft.	420.00
No. 7	Tunnel, 4 x 6 ft., extending S. 70° W., 20 ft., the portal of which bears N. 36° W., 110 ft.; value,	200.00
	From point on lode line 212.6 ft. from the East center end.	
No. 8	Shaft, 4 x 6 x 43 ft. bears S. 51° W., 95 ft., value,	430.00
	From point on lode line 411.8 ft. from the East center end.	
No. 9	Incline shaft, 4 x 6 x 26 ft. bears S. 76° W., 45 ft., value,	260.00
No. 10	Tunnel, 4 x 6 ft. extending S. 30° E., 56 ft. 10 feet in from the portal, a crosscut, 4 x 6 ft. extends S. 60° W., 25 ft. Portal of tunnel bears N. 20°30' E. 90 ft. Value,	810.00
No. 11	Tunnel, 4 x 6 ft., extending S. 7° E., 75 ft. At the face of the tunnel a shaft 4 x 6 ft. extends 20 ft. to the surface. 20 feet in from the portal, crosscuts 4 x 6 ft. extend East, 25 ft., and West 20 ft. Portal of tunnel bears N. 45° W., 70 ft.	1400.00
No. 12	Open cut, 4 x 24 ft., 10 ft. face and tunnel, 4 x 6 x 18 ft. Course of cut and tunnel, S. 50° W. Mouth of cut bears N. 59° W., 95 ft. value,	280.00
No. 13	Shaft, 4 x 6 x 33.5 ft. bears S. 80° W., 160 ft. Value,	330.00

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No.14	Shaft, 4 x 6 x 30 ft., bears S.74°W., 200 ft., value,	\$ 300.00
No.15	Shaft 4 x 6 x 25 ft., bears S.70°W., 230 ft., value,	250.00
No.16	Cut 3 x 12 ft., extending S.60°W., 65 ft. From the bottom of the cut and 20 feet from the S.W. end is a shaft 4 x 6 x 20 ft. The N.E. end of the cut bears S.67°20'W., 684 ft. Value,	1150.00
No.17	Tunnel, 4 x 6 ft., extending S.37°E., 163 ft., the portal of which bears from a point on line 4-1 382.0 ft. from Cor.No.4, S.1°40'E., 117 ft. Value,	1630.00
	From a point on line 2-3, 749.2 ft. from Cor. No. 2,	
No.18	Shaft, 4 x 6 x 7 ft. bears N.11°40'W., 300 ft. Value,	50.00
No.19	Cut, 4 x 4 ft., extending North, 25 ft., the South end of which bears N.15°15'W., 300 ft., value,	100.00
No.20	Cut, 4 x 5 ft., extending N.40°E., 32 ft., the S.W. end of which bears N.38°W., 212 ft., value,	200.00
No.21	Tunnel 4 x 6 ft., extending N.35°E., 47 ft., the portal of which bears N.46°W., 205 ft., value,	470.00
No.22	Cut 4 x 10 ft., extending N.70°E., 25 ft. From the bottom of the cut and 10 feet from its West end a shaft, 4 x 6 ft. is sunk 40 ft. The shaft bears N.77°W., 310 ft. Value,	800.00

Southern Gold lode.

	From a point on line 4-1, 749.2 ft. from Cor. No. 4,	
No.1	Discovery shaft, 4 x 6 x 8.5 ft. bears from Cor. No.4 Old Gold lode, S.36°30'E., 300 ft., value,	\$ 75.00
No.2	Shaft, 4 x 6 x 14.5 ft. bears from Cor. No.4 Old Gold lode, S.58°30'E., 177 ft., value	140.00
No.3	Shaft, 4 x 6 x 17 ft., bears from Cor. No.4 Old Gold lode, S.49°E., 177 ft., value,	170.00
No.4	Shaft, 4 x 6 x 16 ft. at the North end of a cut 4 x 4 ft. extending South 20 ft. Shaft bears from Cor. No.4 Old Gold lode, S.21°30'E., 180 ft., value,	250.00
No.5	Shaft, 6 x 6 x 8.5 ft. bears from Cor. No.4 Old Gold lode, S.5°W., 240 ft., value,	75.00

OTHER IMPROVEMENTS:

From the West center end of the Western Gold lode, the S.W. corner of an ore bin, 12 x 6 ft. bears N.80°E., 363. ft. At the ore bin are two 2-stamp steam mills and a boiler. Thirty feet to the West of the mill are 5 wood cyanide tanks, 5 ft. deep, 15 ft. in diameter; 7 wood tanks 8 ft. deep, 8 ft. in diameter, and 4 iron tanks, 8 ft. deep and 12 ft. in diameter. A frame assay office, 10 x 16 ft.

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stands 35 ft. northwest of the mill.

The mill has not been in operation for some years.

ADJOINING CLAIMS.

On the North. Unsurveyed. Names of claims and claimants unknown.

On the East. Unsurveyed. Names of claimants and claims unknown.

On the South. Golden Era and Golden Fleece lodes, unsurveyed. Claimed by applicant herein.

On the West. Golden Fleece and Golden Rule lodes, unsurveyed. Claimed by applicant herein. Unsurveyed ground, names of claims and claimants unknown.

INSTRUMENT.

This survey was made with a Buff & Buff transit No. 3579. The courses were deflected from the true meridian as determined by direct solar observations and by observations on Polaris at elongation. The distances were measured with 100 ft. and 500 ft. steel tapes.

REPORT.

From the West center end of the Western Gold lode, a shaft, 6 x 6 x 6 ft. bears N. 24° 15' E., 389 ft. In a monument at the shaft is a location notice of the Eclipse lode, claiming 600 feet in a northerly direction and 900 feet in a southerly direction; the notice bears the date January 24, 1906, and is signed by E. R. Zimmerman as locator. I was unable to find any of the corners of this claim. The locator stated that the claim was abandoned.

From Cor. No. 4, Golden Chariot lode, a pine post 4 ins. square, 2½ ft. above ground in a monument of stones, scribed 1-1353 LT, 1-1353 TP bears N. 71° 55' W., 1631.5 ft.

From Cor. No. 4, Golden Chariot lode, Corner No. 5 Sahuarro lode, Survey No. 2441, bears N. 27° 08' W., 1027.1 ft., whence U.S.L.M. No. 1353 bears N. 43° 10' 30" E. Cor. No. 5 Sahuarro lode is a pine post, 4 ins. square, 3 ft. above ground in

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a monument of stones, marked 5-2441 S.

U.S.L.M. No. 1353 is a post 6 ins. square, 7 feet above ground, in a monument of stones 5 ft. in diameter at base and 3 ft. high, scribed on its South face, USEM 1353.

The discrepancy between the bearings and distances of the tie lines of this survey and that of the Sahuarro and the Legal Tender and Turning Point lodes, Sur. No. 1353 lode, Survey No. 2441, are due to errors in the latter surveys.

Bisbee, Arizona, September 9, 1910.

A. W. Jorgensen.
U. S. Mineral Surveyor.

SURVEY NO. 2852.

Observations for latitude and meridian.

On August 20, 1910, about 9:25 P.M. by my watch, which carries Standard Mountain time, I sight on 51 Cephei as it approaches lower culmination. When the star has reached its lowest point I read the vertical angle, $29^{\circ}49'30''$, reverse the instrument and read the same vertical angle.

Observed Altitude,	$29^{\circ}49'30''$
Refraction,	1 40
Polar distance,	<u>2 48 30</u>
Latitude,	$32^{\circ}36'20''$

On the same night, about 9:55 by my watch, I sight on Polaris as it approaches Eastern elongation. When the star has ceased to move to the right, I turn an angle of $164^{\circ}41'$ to the right from the star to a sight on Cor. No. 4 Golden Chariot lode, about 350 feet distant, reverse the instrument and with Zero on the star turn the same angle to my sight.

Bearing of Polaris at elongation,	N. $1^{\circ}23'36''$ E.
Angle turned to right,	<u>164 41</u>
Bearing of Cor. 4 Golden Chariot,	S. $13^{\circ}55'24''$ E.

On August 21 I set up on Cor. No. 4, Golden Chariot lode, and with my instrument reading N. $13^{\circ}55'30''$ W., sight on my station of the night before, turn to U.S.L.M. No. 1353, and read its bearing, N. $21^{\circ}12'$ E.

Solar observations. On August 21, at 4:00 P.M. local time, I sight on the sun from Cor. No. 2 Old Gold lode, using as mark sighted upon, Cor. No. 1 of the same claim the bearing of line 2-1 being S. $56^{\circ}52'$ W. as determined by Polaris observations.

Latitude, $32^{\circ}36'20''$. Declination, $12^{\circ}10'36''$. Upper limb of sun sighted upon.

Instrument direct.

No. 1 Observed altitude, $33^{\circ}22'30''$. Angle from sun to mark, $26^{\circ}21'30''$ to left.

No. 2 Observed altitude, $32^{\circ}35'$ Angle from sun to mark, $26^{\circ}56'$ to left.

SURVEY NO. 2852.

Instrument reversed.

No. 3 Observed altitude, $31^{\circ}46'$. Angle from sun to mark, $27^{\circ}30'$ to left.

No. 4 Observed altitude, $30^{\circ}57'$. Angle from sun to mark, $28^{\circ}05'$ to left.

Using the formula, $\cos Z = \frac{\sin D}{\cos L \cos A} + \tan L \tan A$,
 in which Z is the sun's azimuth from the North, D is
 the declination, L, the latitude, and A, the corrected
 altitude of the sun's center, I determine
 the bearing of line 2-1 Old Gold lode to be as follows
 by each of the above observations:

No. 1, $S. 56^{\circ}52' W.$

No. 2, $S. 56^{\circ}52' W.$

No. 3, $S. 56^{\circ}53' W.$

No. 4, $S. 56^{\circ}52' W.$
 $S. 56^{\circ}52' 15'' W.,$ average.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by H. N. Jorgensen

United States ~~Deputy~~ Mineral Surveyor, to assist in running, measuring, and marking the lines, corners, and boundaries described in the foregoing field notes of the survey of the mining claim of _____

Peter Johnson

known as the Southern Gold, Old Gold, Golden Chariot, Western Gold

and showing the respective capacities in which they acted.

Gregorio Segredo, Chainman.

_____, Chainman.

_____, Axman.

_____, Flagman.

FINAL OATHS OF ASSISTANTS.

I
We Gregorio Segredo

and _____, do solemnly swear that I we assisted _____

H. N. Jorgensen, United States ~~Deputy~~ Mineral Surveyor, in marking the corners and surveying the boundaries of the mining claim of _____

Peter Johnson

known as the Southern Gold, Old Gold, Golden Chariot, Western Gold

represented in the foregoing field notes as having been surveyed by said ~~deputy~~ mineral surveyor and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, faithfully and correctly executed, and the corner and boundary monuments established according to law and the instructions furnished by the United States Surveyor-General for Arizona

Gregorio ^{his} Segredo, Chainman.

_____, Chainman.

_____, Axman.

_____, Flagman.

Sig. Witnessed by
E. R. Zimmerman

Subscribed and sworn to by the above-named persons before me this 23rd

day of August, 1910

E. R. Zimmerman
Notary Public

My commission Expires
Feb 14, 1912.

FINAL OATH OF U. S. ~~DEPUTY~~ MINERAL SURVEYOR

I, H. W. Jorgensen, U. S. ~~Deputy~~ Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated August 15, 1910, I have, in strict conformity to the laws of the United States, the official regulations and instructions thereunder, and the instructions of said Surveyor General, faithfully and correctly executed the survey of the Mining Claim of Peter Johnson, known as the SOUTHERN GOLD, OLD GOLD, GOLDEN CHARIOT, and WESTERN GOLD, situate in Casa Grande Mining District, Pinal County, Arizona, approximately in Section in, Township No. 9 S., Range No. 4 E., G. & S., R. B. & M., unsurveyed and designated as Survey No. 2852, as represented in the foregoing field notes, which accurately show the boundaries of said mining claim as distinctly marked by monuments on the ground, and described in the attached copy of the location certificate, which was received by me from the Surveyor General with said instructions, and that all the corners of said survey have been established and perpetuated in strict accordance with the law, official regulations and instructions thereunder; and I do further solemnly swear that the foregoing are the true and original field notes of said survey and my report therein, and that the labor expended and improvements made upon said mining claim by claimant or his grantors are as therein fully stated, and that the character, extent, location and itemized value thereof are specified therein with particularity and full detail, and that no portion of said labor or improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.

H. W. Jorgensen
U. S. ~~Deputy~~ Mineral Surveyor.

Subscribed and sworn to by the said H. W. Jorgensen
U. S. ~~Deputy~~ Mineral Surveyor, before me M. G. High
Notary Public this 19th
day of Sept 1910,

M. G. High
NOTARY PUBLIC

IN AND FOR COCHISE CO., ARIZONA TERRITORY
My commission expires Nov. 19, 1912.

AMENDED NOTICE OF MINING LOCATION.

AUG. 15. 1910

LODE CLAIM.

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the SOUTHERN GOLD Mining Claim situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purposes of exploration and purchased by Jerry Snyder, and Howard M. Snyder, citizens of the United States, on March 31, 1904, and the same has since been conveyed to Peter Johnson a citizen of the United States, the undersigned, who is now the owner of the same.

The length of this claim is 1500 feet, and I claim 750 feet, in a northeasterly direction and 750 feet in a southwesterly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with 300 feet in width of the surface grounds, on each side of the center of said claim. The general course of the lode deposit and premises is from the southwest to the northeast.

The claim is situated and located in the Casa Grande Mining District, in Pinal County, in the Territory of Arizona, about $\frac{1}{2}$ mile in a southerly direction from the shaft of the Jack Rabbit Mine.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a post in a monument of stones at a point in a northeasterly direction 750 feet from the discovery shaft (at which this notice is posted), being in the center of the northeast end line of said claim; thence southeasterly 300 feet to a post in a monument of stones, being the southeast corner of said claim; thence southwesterly 1500 feet to a post in a monument of stones, being at the southwest corner of said claim; thence northwesterly 300 feet to a post in a monument of stones at the center of the southwest end of said claim; thence northwesterly 300 feet to a

AMENDED NOTICE OF MINING LOCATION.

AUG 15 1910

LODE CLAIM.

TO ALL WHOM IT MAY CONCERN:

This mining Claim, the name of which is the OLD GOLD Mining Claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purpose of exploration and purchase by Jerry Snyder and Howard M. Snyder, citizens of the United States, on March 31, 1904, and the same has since been conveyed to Peter Johnson, a citizen of the United States, the undersigned, who is now the owner of the same.

The length of this claim is 1500 feet, and I claim 245 feet, in a southwesterly direction and 1255 feet in a northeasterly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with 300 feet in width of the surface grounds, on each side of the center of said claim. The general course of the lode deposit and premises is from the southwest to the northeast.

The claim is situated and located in the Casa Grande Mining District, in Pinal County in the Territory of Arizona, about $\frac{1}{2}$ mile in a southerly direction from the shaft of the Jack Rabbit mine.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a post in a monument of stones at a point in a Southwesterly direction 245 feet from the discovery shaft (at which this notice is posted), being in the center of the southwest end line of said claim; thence northwesterly 300 feet to a post in a monument of stones, being the northwest corner of said claim; thence northeasterly 1500 feet to a post in a monument of stones being at the northeast corner of said claim; thence southeasterly 300 feet to a post in a mound of stones at the center of the northeast end of said claim; thence southeasterly 300 feet to a post in a mound of stones, being at the southeast corner of said claim;

thence southwesterly 1500 feet to a post in a mound of stones at the southwest corner of said claim; thence northwesterly 300 feet to the place of beginning.

All done under the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of the United States, and of an Act of the General Assembly of Arizona, entitled, "An Act to Revise and Codify the Laws of the Territory of Arizona," approved March 16, 1901.

This is an Amended Location Notice of the OLD GOLD Mining claim located by Jerry Snyder and Howard M. Snyder on the 31st day of March, 1904, and recorded in Book No. 21, of records of Mines, at page 475-6, in the office of the County Recorder of the aforesaid County of Pinal to which reference is hereby made, and this Amended Location Notice is made and posted to correct errors in the description in the said original Location Notice.

Dated and posted on the ground this 4th day of August, 1910.

Peter Johnson.

Filed and recorded at request of Neale & Sutter, Aug. 11th, A. D. 1910, at 1 o'clock P.M., Book No. 1, Mines Amended, page 334.

G. F. Watson,

County Recorder.

Territory of Arizona.

ss.

County of Pinal.

I, G. F. Watson, County Recorder in and for the County and Territory aforesaid, do hereby certify that the above is a full, true and correct copy of the Amended Location Notice of the Old Gold Mining Claim, as the same appears of record in Book No. 1 of Mines Amended, on page 334 thereof.

Witness my hand and seal of office this 13th day of Aug. A.D. 1910.

G. F. Watson Recorder.

AMENDED NOTICE OF MINING LOCATION.

AUG 15 1910

LODE CLAIM.

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the GOLDEN CHARIOT Mining Claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purpose of exploration and purchase by Jerry Snyder and Howard M. Snyder, citizens of the United States, on March 31, 1904, and the same has since been conveyed to Peter Johnson, a citizen of the United States, the undersigned, who is now the owner of the same.

The length of this claim is 1500 feet, and I claim 80 feet, in a northeasterly direction and 1420 feet in a southwesterly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with 300 feet in width of the surface grounds, on each side of the center of said claim. The general course of the lode deposit and premises is from the southwest to the northeast.

The claim is situated and located in the Casa Grande Mining District, in Pinal County in the Territory of Arizona, about $\frac{1}{2}$ mile in a southerly direction from the shaft of the Jack Rabbitt mine.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a post in a monument of stones at a point in a northeasterly direction 80 feet from the discovery shaft (at which this notice is posted), being in the center of the northeast end line of said claim; thence southeasterly 300 feet to a post in a monument of stones, being the southeast corner of said claim; thence southwesterly 1500 feet to a post in a monument of stones, being at the southwest corner of said claim; thence northwesterly 300 feet to a post in a monument of stones at the center of the southwest end of said claim; thence northwesterly 300 feet to a post in a monument of stones, being at the northwest corner of

AMENDED NOTICE OF MINING LOCATION.

AUG. 15 1910

LODE CLAIM.

TO ALL WHOM IT MAY CONCERN:

This mining Claim, the name of which is the WESTERN GOLD Mining Claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purpose of exploration and purchase by Jerry Snyder and Howard M. Snyder, citizens of the United States, on March 31, 1904, and the same has since been conveyed to Peter Johnson, a citizen of the United States, the undersigned, who is now the owner of the same.

The length of this claim is 1500 feet, and I claim 750 feet, in a northeasterly direction and 750 feet in a southwesterly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim, together with 300 feet in width of the surface grounds, on each side of the center of said claim. The general course of the lode deposit and premises is from the southwest to the northeast.

The claim is situated and located in the Casa Grande Mining District, in Pinal County in the Territory of Arizona, about 1/2 mile in a southerly direction from the shaft of the Jack Rabbit Mine.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a post in a monument of stones at a point in a northeasterly direction 750 feet from the discovery shaft (at which this notice is posted), being in the center of the northeast end line of said claim; thence southeasterly 300 feet to a post in a monument of stones, being the southeast corner of said claim; thence southwesterly 1500 feet to a post in a monument of stones being at the southwest corner of said claim; thence northwesterly 300 feet to a post in a monument of stones at the center of the southwest end of said claim; thence northwesterly 300 feet to a post in a monument of stones, being at the northwest corner of said claim; thence northeasterly 1500 feet to a post in

a monument of stones at the northeast corner of said claim; thence southeasterly 300 feet to the place of beginning.

All done under the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of the United States, and of an Act of the General Assembly of Arizona, entitled, "An Act to Revise and Codify the Laws of the Territory of Arizona," approved March 16, 1901.

This is an Amended Location Notice of the WESTERN GOLD Mining claim, located by Jerry Snyder and Howard M. Snyder on the 31st day of March, 1904, and recorded in Book No. 21 of Records of Mines, at page 477-8 in the office of the County Recorder of the aforesaid County of Pinal, to which reference is hereby made, and this Amended Location Notice is made and posted to correct errors in the description in the said original Location Notice.

Dated and posted on the ground this 4th day of August, 1910.

Peter Johnson.

Filed and recorded at request of Neale & Sutter, Aug. 11th, A. D. 1910 at 1 o'clock P.M., Book No. 1, Mines Amended, pages 336.

G. F. Watson,

County Recorder.

Territory of Arizona,
County of Pinal. ss.

I, G. F. Watson, County Recorder in and for the County and Territory aforesaid, do hereby certify that the above is a full true and correct copy of the Amended Location Notice of the Western Gold Mining Claim, as the same appears of record in Book No. 1 of Mines, Amended, on page 336 thereof.

Witness my hand and seal of office this 13th day of Aug. A. D. 1910.

G. F. Watson

Recorder.

U. S. SURVEYOR-GENERAL'S FINAL CERTIFICATE ON FIELD NOTES.

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

December 9, 1910, 190

I, U. S. Surveyor-General for Arizona,

do hereby certify that the foregoing transcript of the Field Notes, return and approval of the survey of the mining claim of Peter Johnson,

known as the SOUTHERN GOLD, OLD GOLD, GOLDEN CHARIOT, and WESTERN GOLD, situate in Casa Grande,

Mining District, Pinal County, Arizona, unsur.

in Section approx., Township No. 9 S., Range No. 4 E., G. & S. R. B. & M., and designated as Survey No. 2852,

has been correctly copied from the originals on file in this office; that said Field Notes furnish such an accurate description of said mining claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the locus thereof.

And I further certify that five hundred dollars' worth of labor has been expended or improvements made upon each of said mining claims by claimant or his grantors, and that said improvements consist of 26 shafts, 11 cuts, 10 tunnels, 1 stope and 3 crosscuts, total value \$14,525.00.

and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

I further certify that the plat thereof, filed in the U. S. Land Office at Phoenix, Arizona,

is correct and in conformity with the foregoing Field Notes.

Frank S. Ingalls.

United States Surveyor-General for Arizona,

4-687.

SURVEYOR-GENERAL'S CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF MINING CLAIM.

Department of the Interior,

Office of U. S. Surveyor-General,

Phoenix, Arizona,

December 8, 1910, 190

I, U. S. Surveyor-General for Arizona,

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the Mining Claim of Peter Johnson,

known as the SOUTHERN GOLD, OLD GOLD, GOLDEN CHARIOT, and WESTERN GOLD,

situate in Casa Grande Mining District, Pinal County, Arizona,

in Section approx., Township No. 9 S., Range No. 4 E., G. & S.R.

B. & M., unsurveyed, designated as Survey No. 2852,

executed by H. W. Jorgensen, U. S. Deputy Mineral

Surveyor, August 19 - 23, 1910, under my instructions dated

August 15, 1910, have been critically examined and the necessary cor-

rections and explanations made, and the said Field Notes and Return, and the Survey they describe,

are hereby approved. A true copy of the copy of the location certificate filed by the applicant for

survey is included in the field notes.

Handwritten signature of Mark S. Lygath

U. S. Surveyor-General for Arizona,