

MINERAL SURVEY No. 3904

Arizona Land District

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

J. Fred Johnson, Nels Okerstrom and John A. Thorine

KNOWN AS THE

Link, Last Change, Bonanza, Portland, Gold Hill No. 1 and Gold Hill No. 2 lodes

WARREN Mining District,

Cochise County, Arizona

Sections 7, 8 & 17, Township 23 South, Range 25 E. G & SR B & M

Surveyed under instructions dated June 29th, 1923.

by Ralph L. Motz, U. S. Mineral Surveyor.

Claim located see location notices attached 19

Survey commenced July 1st, 1923.

Survey completed July 12th, 1923.

Address of claimant J. Fred Johnson, P.O. Box 3534, Lowell, Arizona.

DATES OF AMENDED LOCATIONS.

Feet.

BONANZA. LODE.

Beginning at Cor. No. 1, the S.W. Cor., identical with location and with Cor. No. 3 Last Change lode of this survey, a redwood post 4 feet long 4 inches square set 18 inches in the ground in a mound of stones and scribed 1-3904 B, whence a shale rock in place 11 x 11 x 7 inches high above ground chiseled BR x 1-3904 bears S 84° 07' W 15.7 feet, and a sandstone rock in place 15 x 16 x 16 inches high above ground with like chiselling bears S 40° 52' W 19.6 feet, and the Cor. of Secs. 7, 8, 17 and 18 T. 23 S., R. 25 E., G & S R B & M brs S 25° 41' 30" W 743.3 feet.

thence N. 28° 19' W.

340.7 to original location for west end center, being a mound of stones 3 feet high with a 3 foot base,

681.4 to Cor. No. 2, the N. W. Cor., identical with location, a redwood post 4 feet long 4 inches square set 18 inches in the ground in a mound of stones and scribed 2-3904 B. No bearings available.

thence East

1500.0 to Cor. No. 3, the N. E. Cor., identical with location a pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of stones and scribed 3-3904 B. No bearings available.

thence S. 28° 19' E.

340.7 to original location for east end center, being a mound of stones 3 feet high with a 3 foot base,

681.4 to Cor. No. 4, the S. E. Cor., identical with location and with Cor. No. 4 of the Last Change lode of this survey, a pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of stones and scribed 4-3904 B, whence a shale ledge with 8 x 32 x 6 inch high exposure and chiseled BR x 4-3904 brs N 65° 32' E 6.8 feet, and a second shale ledge with 12 x 42 x 14 inch high exposure with like chiseling brs S 17° 12' W. 13.3 feet.

Feet.

thence West.

1500.0 along line 4-3 Last Change lode of this survey to Cor. No. 1, the place of the beginning.

LAST CHANGE. LODE.

Beginning at Cor. No. 1, the S. E. Cor., identical with location, a pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of stones and scribed 1-3904 L C, whence the 1/4 Cor. between Secs. 8 and 17, T. 23 S., R. 25 E., G & S R B & M brs S. 82° 01' E. 503.8 feet.

thence West.

302.5 intersect line 4-1 of the Link lode of this survey at S. 64° 19' E. ^{951.3}~~548.7~~ feet from Cor. No. ⁴~~2~~ thereof,

1358.1 intersect line 3-4 of the Link lode of this survey at S. 25° 41' W. ^{457.5}~~142.5~~ feet from Cor. No. ⁴~~3~~ thereof,

1500.0 to Cor. No. 2, the S. W. Cor., identical with location, a redwood post 4 feet long 4 inches square set 18 inches in the ground in a mound of stones and scribed 2-3904 L C. No bearings available.

thence N. 28° 19' W.

340.7 to original location for west end center, being a mound of stones 3 feet high with a 3 foot base,

681.4 to Cor. No. 3, the N. W. Cor., identical with location and with Cor. No. 1 Bonanza lode this survey, heretofore described to which I add 3-3904 L C for this claim.

thence East.

1500.0 along line 1-4 Bonanza lode this survey to Cor. No. 4, the N. E. Cor., identical with location and with Cor. No. 4 of the Bonanza lode this survey heretofore described to which I add 4-3904 L C for this claim.

thence S. 28° 19' E.

340.7 to original location for east end center, being a mound of stones 3 feet high with a 3 foot base.

681.4 to Cor. No. 1, the place of the beginning.

Feet.

LINK LODE.

Beginning at Cor. No. 1, the N. E. Cor., identical with location, a pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of stones and scribed 1-3904 L, whence the 1/4 Cor. between Secs. 8 and 17, T. 23 S., R. 25 E., G & S R B & M brs N. 61° 20' E. 349.9 feet.

thence S. 25° 41' W. 300.0 to original location for east end center, being a mound of stones 3 feet high with a 3 foot base.

600.0 to Cor. No. 2, the S. E. Cor., identical with location and with the north end center Gold Hill No. 2 lode this survey, a pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of stones and scribed 2-3904 L. No bearings available.

thence N. 64° 19' W. 300.0 along line 1-4 Gold Hill No. 2 lode this survey to Cors. No. 1 and 4 Gold Hill No. 1 and Gold Hill No. 2 lodes both of this survey, respectively.

600.0 along line 1-4 Gold Hill No. 1 lode this survey to north end center Gold Hill No. 1 lode,

900.0 to Cors. No. 2 and 4 of Sur. No. 3178 Eclipse lode and Gold Hill No. 1 lode this survey, respectively.

1500.0 along line 2-1 Sur. No. 3178 Eclipse lode to Cor. No. 3 the S. W. Cor., identical with location and with Cors. No. 1 and 2 of Eclipse lode and Half Moon lode both of Sur. No. 3178 respectively, a pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of stones and scribed 3-3904 L, whence a sandstone rock in place 14 x 16 x 18 inches high above ground and chiseled BR x-3-3904 brs N. 6° 33' E. 50.8 feet, and a second sandstone rock in place 12 x 16 x 10 inches high above ground with like chiseling brs S. 27° 42' E. 28.3 feet.

thence N. 25° 41' E. 142.5 intersect line 1-2 Last Change lode this survey at East 141.9 feet from Cor. No. 2 thereof,

Feet.
 300.0 to original location for west end center, being a mound
 of stones 3 feet high with a 3 foot base,
 600.0 to Cor. No. 4, the N. W. Cor., identical with location,
 a pine post 4 feet long 4 inches square set 18 inches in
 the ground in a mound of stones and scribed 4-3904 L.
 No bearings available.
 thence S. 64° 19' E.
 951.3 intersect line 1-2 Last Change lode this survey at West
 302.5 feet from Cor. No. 1 thereof.
 1500.0 to Cor. No. 1, the place of the beginning.

 GOLD HILL NO. 1. LODE.

Beginning at Cor. No. 1, the N. E. Cor., identical
 with location and with Cor. No. 4 Gold Hill No. 2 lode
 this survey and situated on line 2-3 Link lode this sur-
 vey, a pine post 4 feet long 4 inches square set 18 inches
 in the ground and scribed 1-3904 G H 1, whence a sand-
 stone rock in place 17 x 18 x 3 inches high above ground
 chiseled B R x 1-3904 brs S. 7° 08' E. 13.0 feet and a
 second sandstone rock in place 12 x 42 x 14 inches high
 above ground with like chiseling brs S 34° 13' W 19.5
 feet and the 1/4 Cor. between Secs. 8 and 17, T. 23 S.,
 R. 25 E., G & S R B & M brs N. 55° 21' 30" E. 107.8
 feet.
 thence S. 34° 56' W.
 1500.0 along line 4-3 Gold Hill No. 2 lode this survey to Cor.
 No. 2, the S. E. Cor., identical with location and with
 Cor. No. 3 Gold Hill No. 2 lode this survey and situated
 on line 3-4 Sur. No. 2136 Gold Nuggett lode at N. 64°
 19' W. 140.3 feet from Cor. No. 4 thereof, a pine post
 4 feet long 4 inches square set 18 inches in the ground
 in a mound of stones and scribed 2-3904 G H 1, whence a
 limestone ledge with 29 x 43 x 8 inch high exposure
 chiseled BR x 2-3904 brs S. 77° 35' E. 13.1 feet and a
 second limestone ledge with 25 x 45 x 32 inch high ex-
 posure with like chiseling brs N. 62° 07' W. 10.0 feet.

Feet.

thence N. 64° 19' W.

300.0 along line 4-3 Sur. No. 2136 Gold Nuggett lode to original location for south end center, being a mound of stones 3 feet high with 3 foot base,

600.0 to Cor. No. 3, the S. W. Cor., identical with location and with Cor. No. 3 Sur. No. 3178 Eclipse lode and situated on line 3-4 Sur. No. 2136 Gold Nuggett lode at S. 64° 19' E. 759.7 feet from Cor. No. 3 thereof, a pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of stones and scribed 3-3904 G H 1, whence the center of a limestone ledge 75 feet long, 10 feet high and 6 feet wide chiseled BR x 3-3904 brs N. 83° 10' E. 7.6 feet and a limestone rock in place 48 x 60 x 24 inches above ground with like chsieling brs S. 44° 20' E. 15.3 feet.

thence N. 34° 56' E.

1500.0 along line 3-2 Sur. No. 3178 Eclipse lode to Cor. No. 4, the N. W. Cor., identical with location and with Cor. No. 2 Sur. No. 3178 Eclipse lode and situated on line 2-3 Link lode this survey, a pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of stones and scribed 4-3904 G H 1, whence a sandstone rock in place 6 x 14 x 12 inches high above ground and chiseled BR x 4-3904 brs N. 35° 10' W. 24.4 feet, and a second sandstone rock in place 12 x 14 x 4 inches high above ground with like chsieling brs S. 59° 16' W. 40.2 feet.

thence S. 64° 19' E.

300.0 along line 3-2 Link lode of this survey to original location for north end center, being a mound of stones 3 feet high with a 3 foot base.

600.0 to Cor. No. 1, the place of the beginning.

GOLD HILL NO. 2. LODE

Beginning at Cor. No. 1, the N. E. Cor., identical with location and situated on line 4-1 of the Portland lode of this survey, a pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of stones

Feet.

and scribed 1-3904 G H 2, whence a shale ledge with 12 x 13 x 23 inches high exposure and chiseled B R x 1-3904 brs S. 16° 25' W. 25.2 feet and a second shale ledge with 18 x 39 x 18 inch high exposure with like chiseling brs S. 29° 03' E. 37.4 feet and the 1/4 Cor. between Secs. 8 and 17, T. 23 S., R. 25 E., G & S R B & M brs N. 19° 29' E. 889.5 feet.

thence S. 34° 56' W.

1313.1 along line 1-4 Portland lode this survey to Cor. No. 4

Portland lode, also intersect line 2-3 Sur. No. 3179 Pearl lode at N. 89° 54' E. 781.2 feet from Cor. No. 2 thereof,

1500.0 to Cor. No. 2, the S. E. Cor., identical with location a pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of stones and scribed 2-3904 G H 2 whence a limestone ledge with 60 x 104 x 7 inches high exposure and chiseled BR x 2-3904 brs N. 11° 11' E. 5.7 feet, and a second limestone ledge with 168 x 192 x 33 inches high exposure with like chiseling brs S 64° 49' E 16.9 feet.

thence N. 64° 19' W.

300.0 to original location for south end center, being a mound of stones 3 feet high with a 3 foot base,

351.8 intersect line 2-3 Sur. No. 3179 Pearl lode at N. 89° 54' E. 357.1 feet from Cor. No. 2 thereof,

459.7 to Cor. No. 4, Sur. No. 2136 Gold Nuggett lode,

600.0 to Cor. No. 3, the S. W. Cor., identical with location and with Cor. No. 2 of the Gold Hill No. 1 lode this survey, heretofore described to which I add 3-3904 G H 2 for this claim.

thence N. 34° 56' E.

1500.0 along line 2-1 Gold Hill No. 1 lode of this survey to to Cor. No. 4, the N. W. Cor., identical with location and with Cor. No. 1 Gold Hill No. 1 lode this survey, heretofore described to which I add 4-3904 G H 2 for this claim.

thence S. 64° 19' E.

Feet.
 300.0 along line 3-2 Link lode this survey to north end center identical with location and with Cor. No. 2 Link lode this survey heretofore described to which I add N E Ct for this claim.

600.0 to Cor. No. 1, the place of the beginning.

PORTLAND LODE.

Beginning at Cor. No. 1, the N. W. Cor., identical with location, a pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of stones and scribed 1-3904 P, whence a sandstone rock in place 19 x 53 x 25 inches high above ground and chiseled BR x 1-3904 brs S. 57° 25' W. 11.4 feet, and a second sandstone rock in place 32 x 33 x 12 inches high above ground with like chiseling brs N. 4° 12' W. 13.7 feet., and the 1/4 Cor. between Secs. 8 and 17, T. 23 S., R. 25 E., G & S R B & M brs N. 15° 28' E. 711.1 feet.

thence N. 89° 54' E.

359.4 to original location for north end center, being a mound of stones 3 feet high with a 3 foot base,

718.8 to Cor. No. 2, the N. E. Cor., identical with location, a pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of stones and scribed 2-3904 P, whence a quartzite rock in place 24 x 37 x 6 inches high above ground chiseled BR x 2-3904 brs N. 3° 03' E. 16.2 feet., and a shale rock in place 8 x 27 x 9 inches high above ground with like chiseling brs S. 56° 07' W. 14.1 feet.

thence S. 34° 56' W.

1500.0 to Cor. No. 3, the S. E. Cor., identical with location and with Cor. No. 3 Sur. No. 3179 Pearl lode, a pine post 4 inches square 30 inches above ground in a mound of stones and scribed 3-3904 P, whence a sandstone rock in place 12 x 14 x 10 inches high above ground and chiseled BR 3-3904 brs N. 57° 47' E. 21.6 feet, and a second sandstone rock in place with 8 x 20 x 18 inch high exposure with like chiseling brs. N. 5° 06' E. 22.7 feet.

Feet.

359.4 thence S. 89° 54' W. along line 3-2 Sur. No. 3179 Pearl lode to original location for south end center, being a mound of stones 3 feet high with a 3 foot base,

718.8 to Cor. No. 4, the S. W. Cor., identical with location and situated on lines 2-3 of Sur. No. 3179 Pearl lode and 1-2 Gold Hill No. 2 lode this survey, a pine post 4 feet long 4 inches square set 18 inches in the ground in a mound of stones and scribed 4-3904 P, whence a limestone ledge with 12 x 26 x 11 inch high exposure and chiseled BR x 4-3904 brs S. 72° 42' E 6.4 feet, and a second limestone ledge with 12 x 53 x 19 inch high exposure with like chiseling brs S. 56° 02' E 13.1 feet.

1313.1 thence N. 34° 56' E. along line 2-1 Gold Hill No. 2 lode this survey to Cor. No. 1 Gold Hill No. 2 lode this survey,

1500.0 to Cor. No. 1, the place of the beginning.

LEDGES.

BONANZA. Presumed course of the vein on this claim is from the east end center, West 1500.0 feet.

LAST CHANGE. Presumed course of the vein on this claim is from the east end center West 1500.0 feet.

LINK. Presumed course of the vein on this claim is from the west end center S. 64° 19' E. 1500.0 feet.

GOLD HILL NO.1. Presumed course of the vein on this claim is from the north end center S. 34° 56' W. 1500.0 feet.

GOLD HILL NO.2. Presumed course of the vein on this claim is from the north end center S. 34° 56' W. 1500.0 feet.

PORTLAND. Presumed course of the vein on this claim is from the north end center S 34° 56' W. 1500.0 feet.

AREAS.

BONANZA. Total and net area - - - - - 20.656 A. ✓

LAST CHANGE. Total and net area - - - - - 20.656 A. ✓

LINK. Total area - - - - - 20.661 A. ✓

Area in conflict with Last Change lode this survey - - - - - 4.996 A. ✓

GOLD HILL NO. 1. Total and net area - - - - - 20.393 A. ✓

GOLD HILL NO. 2. Total area - - - - - 20.393 A. ✓

Area in conflict with Sur. No. 3179 Pearl - - - - - 0.745 A. ✓

PORTLAND. Total and net area - - - - - - - - - - 20.267¹/₄ A.

LOCATION.

This survey is situated in Secs. 7, 8 and 17, T. 23 S., R. 25 E., G & S R B & M in the Warren Mining District, Cochise County, Arizona.

IMPROVEMENTS.

I hereby certify that the value of the labor and improvements on each claim of this survey made by the claimants or their grantors is not less than five hundred dollars and that said improvements consist of:

BONANZA.

No.1.	Discovery open cut 4 x 10 x 12 feet long bearing south, the mouth of which brs from west end center on lode line 110.0 feet.	Value	\$75.00
No.2.	Open cut 4 x 10 x 21 feet long, with tunnel at face 4 x 6 x 60 feet long, both bearing S 20° E, the mouth of open cut brs from west end center N. 85° E 220.0 feet.	Value	\$870.00
	Total		\$945.00

LAST CHANGE.

No.1.	Discovery shaft 4 x 6 x 10 feet deep, brs from west end center on lode line 120.0 feet.	Value	\$ 75.00
No.2.	Shaft 4 x 6 x 35 feet deep brs from west end center S 55° E. 300.0 feet.	Value	\$525.00
No.3.	Shaft 4 x 6 x 10 feet deep brs from west end center S 49° 30' E 290.0 feet.	Value	\$ 75.00
No.4.	Open cut 4 x 10 x 10 feet long brg S 30° W., mouth of which brs from Cor. No. 2 N. 82° 14' E. 755.0 feet.	Value	\$ 65.00
	Total		\$740.00

LINK.

No.1.	Discovery shaft 4 x 6 x 10 feet deep, brs from west end center on lode line 670.0 feet.	Value	\$ 75.00
No.2.	Open cut 4 x 15 x 26 feet long, with tunnel at face 4 x 6 x 33 feet long, both bearing S 45° W, the mouth of open cut brs from Cor. No. 4 S 52° 04' E. 698.0 feet.	Value	\$740.00
No.3.	Shaft 4 x 6 x 10 feet deep brs from point on line 2-3 N. 64° 19' W 900.0 from Cor. No. 2, N. 25° W. 52.0 feet.	Value	\$75.00
No.4.	Shaft 4 x 6 x 10 feet deep brs from same point N. 12° W. 75.0 feet.	Value	\$ 75.00
	Total		\$965.00

GOLD HILL NO.1.

No.1.	Discovery shaft 4 x 8 x 77 feet deep and timbered. Drift at bottom 4 x 6 x 63 feet long brg N 35° E., the mouth of shaft brs from south end center on lode line 210 ft. Value	\$3255.00
No.2.	Shaft 4 x 7 x 6 feet deep, timbered, 4 x 7 x 20 feet deep, total depth 26 feet. mouth of which brs from south end center N. 30° 12' E. 545.0 feet. Value	\$ 420.00
No.3.	Open cut 4 x 14 x 30 feet long brg. N.72° 30' W, at face is tunnel 4 x 7 x 32 feet long brg N. 72° 30' W. At face is second tunnel 4 x 7 x 27 feet long brg S 75° W, thence S 30° W 4 x 7 x 25 ft. long to face. Mouth of open cut brs from south end center on lode line 690.0 feet. Value	\$1525.00
No.4.	Shaft 5 x 7 x 87 feet deep timbered. At 22 foot depth is drift 4 x 6 x 20 ft long brg S 30° E. At 53 foot depth is drift 4 x 6 x 7 feet long brg N 5° E. At 53 foot depth is drift 4 x 6 x 9 feet long brg S. 5° W. The mouth of shaft brs from Cor. No. 4 S. 32° 13' W. 663.0 feet. Value	\$3150.00
No.5.	Shaft 6 x 6 x 10 feet deep with drift 4 x 6 x 7 feet long brg S 34° W., the mouth of shaft brs from Cor. No. 4 S. 32° 32' W. 620.00 feet. Value	\$ 185.00
Total		\$8535.00

GOLD HILL NO.2.

No.1.	Discovery open cut 4 x 12 x 25 feet long, brg S 55° E. Tunnel at face 4 x 6 x 25 feet long brg S. 75° E. Face of open cut brs from south end center on lode line 550.0 feet. Value	\$ 750.00
No.2.	Open cut 4 x 10 x 15 ft long brg south, the mouth of which brs from point on line 2-1 N. 34° 56' E. 186.9 feet from Cor. No. 2, N. 20° 35' W. 165.0 feet. Value	\$ 95.00
No.3.	Open cut 5 x 10 x 14 feet long brg S 25° W, mouth of which brs from same point. N. 57° 10' W. 155.0 feet. Value	\$ 115.00
No.4.	Open cut 4 x 10 x 18 feet long with tunnel at face 4 x 7 x 5 feet long both brg N. 60° W. the mouth of which brs from Cor. No. 4 S. 30° 15' W 667.0 feet. Value	\$ 160.00
No.5.	Open cut 5 x 12 x 20 feet long brg S 25° W., the mouth of which brs from Cor. No. 1 S 46° 25' W 807.0 feet. Value	\$ 185.00
No.6.	Open cut 4 x 12 x 18 feet long, with tunnel at face 4 x 6 x 66 feet long, both bearing S 23° W., the mouth of open cut brs from Cor. No. 1, S 44° 40' W 785.0 feet. Value	\$1125.00
Total		\$2430.00

PORTLAND:

No.1.	Discovery shaft 4 x 6 x 10 feet deep brs from south end center on lode line 100.0 feet. Value	\$ 75.00
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No.2.	Shaft 4 x 6 x 5 feet deep brs from south end center N. 61° 50' E. 120.0 feet.	Value	\$ 30.00
No.3.	Open cut 4 x 12 x 14 feet long with tunnel at face 4 x 6 x 12 feet long, both bearing S. 80° E., the mouth of open cut brs from Cor. No. 4 N. 58° 03' E. 272.0 feet.	Value	\$225.00
No.4.	Open cut 4 x 10 x 20 feet long, brg S.80°E. the mouth of which brs from Cor. No. 4 N. 56° 25' E. 241.0 feet.	Value	\$125.00
No.5.	Open cut 5 x 10 x 15 feet long, with tunnel at face 4 x 7 x 10 feet long, both brg S. 80° E., the mouth of which brs from Cor. No. 4 N. 41° 08' E. 218.0 feet.	Value	\$250.00
No.6.	Open cut 4 x 10 x 15 feet long brg S. 30° E. the mouth of which brs from south end center N. 23° 32' E. 571.0 feet.	Value	\$ 95.00
No.7.	Open cut 4 x 10 x 12 feet long brg S. 30° E. the mouth of which brs from south end center N. 23° 02' E. 828.0 feet.	Value	<u>\$ 75.00</u>

Total Value \$875.00

Total improvements on group - - - - - \$14,490.00

ADJOINING CLAIMS.

South. Sur. No. 3179 Pearl. Sur. No. 2136 Gold Nuggett.
West. Sur. No. 3178 Eclipse.

INSTRUMENT.

This survey was made with a Gurley Light Mountain transit. The courses were deflected from the true meridian as determined in Sur. No. 3178 and 3179. Distances were measured with 100 and 300 foot steel tapes. Magnetic variation 12° 30' East at all corners.

REPORT.

Cor. of Secs. 7, 8, 17 and 18, T. 23 S., R. 25 E., is a granite rock 17 x 9 x 4 inches above ground, and chiseled IIII on south face and IIIII on east face.

1/4 Cor. between Secs. 8 and 17, T. 23 S., R. 25 E., is a sandstone rock 12 x 15 x 8 inches high above ground chiseled 1/4 on west face.

Corners of adjoining approved surveys are posts properly set and scribed.

Ralph L. Mohr
U. S. Mineral Surveyor.

Dated at Bisbee, Arizona.

July 14, 1923.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Ralph L. Motz
 United States 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
~~.....~~ J. Fred Johnson, Nels Okerstrom and John A. Thorine
 known as the Link, Last Change, Bonanza, Portland, Gold Hill No. 1 and
Gold Hill No. 2 lodes.
 and showing the respective capacities in which they acted.

B. Gmehle , *Chainman.*
 , *Chainman.*
 , *Arman.*
 , *Flagman.*

FINAL OATHS OF ASSISTANTS.

~~we~~, I. B. Gmehle
~~and~~ , do solemnly swear that ~~we~~ ^I assisted
Ralph L. Motz , United States Mineral Surveyor, in marking the corners and surveying
 the boundaries of the mining claim of J. Fred Johnson, Nels Okerstrom and John
A. Thorine
 known as the Link, Last Change, Bonanza, Portland, Gold Hill No. 1 and
Gold Hill No. 2 lodes
 represented in the foregoing field notes as having been surveyed by said mineral surveyor and under his
 direction; and that said survey has been in all respects, to the best of ~~our~~ ^{my} knowledge and belief, faithfully
 and correctly executed, and the corner and boundary monuments established according to law and the instruc-
 tions furnished by the United States Surveyor-General for Arizona

B. Gmehle , *Chainman.*
 , *Chainman.*
 , *Arman.*
 , *Flagman*

Subscribed and sworn to by the above-named persons before me this 14th
 day of July , 19 23.

Margaret Irving
 Notary Public in and for the County
 of Cochise State of Arizona.
 My commission expires May 10, 1924



FINAL OATH OF U. S. MINERAL SURVEYOR.

I, Ralph L. Motz, U. S. Mineral Surveyor,
do solemnly swear that, in pursuance of instructions received from the United States
Surveyor General for Arizona, dated
June 29th, 1923, 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 J. Fred Johnson, Nels Okerstrom and John A. Thorine
, known as the
Link, Last Change, Bonanza, Portland, Gold Hill No. 1 and Gold Hill No. 2 lodes
, *lodes,*
situate in Warren Mining District,
Cochise County, Arizona, in Section
7, 8 & 17, Township No. 23 S., Range No. 25 E. G & S R B & M,
and designated as Survey No. 3904, 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 per-
petuated in strict accordance with the law, official regulations and instructions there-
under; 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 claimants or their grantors
are as therein fully stated, and that the character, extent, location, and itemized value
thereof are specified therein with particularity and full detail, and that no portion of
said labor or improvements so credited to this claim has been included in the estimate
of expenditures upon any other claim.

Ralph L. Motz
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Ralph L. Motz
U. S. Mineral Surveyor, before me Margaret Irving, Notary Public
this 14th
day of July, 19 23.

Margaret Irving
Notary Public in and for the County
of Cochise, State of Arizona.
My commission expires May 10, 1924



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

DEPARTMENT OF THE INTERIOR,
OFFICE OF U. S. SURVEYOR GENERAL,

Phoenix, Arizona

September 20, 1923.

I, U. S. Surveyor General for District of Arizona, do hereby certify that the foregoing transcript of the Field Notes, return and approval of the Survey of the mining claim of

J. Fred Johnson, Nels Okerstrom, and John A. Thorine

, known as the LINK, LAST CHANGE, BONANZA, PORTLAND, GOLD

HILL NO. 1, & GOLD HILL NO. 2 lodes, situate in Warren

Mining District, Cochise County,

Arizona, in Sections 7, 8, & 17, Township No. 23 S,

Range No. 25 E, and designated as Survey

No. 3904, 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 claim by claimants or their grantors, and that said improvements consist of 12 shafts, 16 cuts, 9 tunnels and 5 drifts, total value \$14,490.

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 P. Trott

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,

September 20, 1923

I, U. S. Surveyor General for District of Arizona

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the Mining Claim of J. Fred Johnson, Nels Okerstrom, and John A. Thorine

known as the LINK, LAST CHANGE, BONANZA, PORTLAND, GOLD HILL NO. 1, and GOLD HILL No. 2 lodes

situate in Warren mining district,

Cochise County, Arizona

in Sections 7, 8, & 17, Township No. 23 S., Range No. 25 E.

designated as Survey No. 3904

executed by Ralph L. Motz, U. S. Mineral

Surveyor, July 1 - 12, 1923, under my instructions dated

June 29, 1923, have been critically examined and the necessary

corrections and explanations made, and the said Field Notes and Return, and the survey they describe,

are hereby approved. The certified copy of the location certificate filed by the applicant for survey is

on file in this office and a true copy of said certified copy of said location certificate is included and

made a part of the transcript of the field notes.



U. S. Surveyor General for Arizona.