

Platt

MAY 11 1915

SEP 30 1915

4-683.

Mineral Survey No. 3171

Lot No.

ARIZONA Land District.

### FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

United Verde Copper Company

KNOWN AS THE

COPPER GIANT, DEXTER, KEYSTONE, VICTORIA,  
JANIE, KEYSTONE EXTENSION

Cottonwood Mining District,

Mohave County, Arizona,

Sections 25 & 36, Township 23 North, Range 13 West,

Surveyed under instructions dated Feb. 23rd., 1915,

by HERBERT C. SHOTWELL,  
U. S. Deputy Mineral Surveyor

Claims located See location notices., 1

Survey commenced April 1st., 1915

Survey completed April 6th., 1915

Address;  
Anderson & Lamson,  
Prescott, Arizona.

Attys. for claimant.

## Mineral Survey No. 3171.

Feet.

DEXTER

Beginning at Cor. No. 1, a porphyry stone 12 x 12 x 34 in. long set  $\frac{1}{2}$  in ground and chiseled D, 1, 3171 on south face with a X on top for exact point and with substantial mound of stone along side. From Cor. a rock in place,  $1\frac{1}{2}$  x 2 x 4 ft. exposed and chiseled B + R, D, 1, 3171, brs. N.  $16^{\circ} 42'$  W. 29.3 ft. The Cor. of Secs, 25, 30, 31 & 36, T. 23 N., Rgs 12 & 13 W. brs. S.  $88^{\circ} 50'$  E. 1292.60 ft.

Thence S.  $6^{\circ} 58'$  E.

- 375.00 Cross wagon road, course northwesterly and southeasterly.
- 745.00 Cross dry wash, course northwesterly and southeasterly, flows northwesterly.
- 1191.00 Cross wagon road, course easterly and westerly.
- 1499.70 Corner No. 2, a malpais stone 2 x 14 x 24 ins long set  $\frac{1}{2}$  in ground and chiseled D, 2, 3171 on north face with + on top for exact point and with substantial mound of stone along side. From cor. a rock in place  $2\frac{1}{2}$  x  $2\frac{1}{2}$  x 2 ft. exposed and chiseled D, 2, 3171, + BR, brs. S.  $16^{\circ} 07'$  E. 16.8 ft. another rock in place  $3\frac{1}{2}$  x  $2\frac{1}{2}$  x 2 ft. exposed and chiseled D, 2, 3171, + BR, brs. S.  $81^{\circ} 53'$  W. 6.1 ft.
- Thence S.  $82^{\circ} 58'$  W.
- 296.78 South Center end, a porphyry stone 4 x 12 x 24 ins long set  $\frac{1}{2}$  in ground and chiseled E C on north face and D on top with + for exact point and with substantial mound of stone along side.
- 317.02 Cor. No. 1 of the Victoria lode of this survey, described later.
- 382.02 Intersect the west side line of the Contact Extension lode, unsurveyed, N.  $41^{\circ} 11'$  E. 390.2 ft from the south west corner.
- 444.14 Corner No. 3, identical with Cor. No. 2 of the Copper.

- Feet. Giant lode of this survey, a porphyry stone 6 x 6 x 24 ins. long set  $\frac{1}{2}$  in ground and chiseled D, 3, 3171 on north east face and CG, 2, 3171 on north west face with + on top for exact point and with substantial mound of stone along side. From Cor. a rock in place  $4\frac{1}{2}$  x 4 x 2 ft. exposed and chiseled +BR, CG, 2, 3171, D, 3, 3171 brs. N.  $6^{\circ} 45'$  W. 44.8 ft. Another rock in place 4 x 4 x 4 ft. exposed and chiseled +BR, D, 3, 3171 brs. N.  $48^{\circ} 28'$  E. 22.8 ft.
- Thence N.  $6^{\circ} 58'$  W.
- 470.00 Cross wagon road, course northwesterly and southeasterly.
- 1499.70 Corner No. 4, identical with Cor. No 1 of the Copper Giant lode of this survey. A schist stone 5 x 14 x 24 ins. long set  $\frac{1}{2}$  in ground and chiseled D, 4, 3171 on south face and 1, 3171, CG on west face with + on top for exact point with substantial mound of stone along side. From Cor. a pine tree 14 in. in diam. blazed and scribed C.G. 1; 3171, D, 4, 3171 + BT. brs. N.  $27^{\circ} 28'$  E. 41.5 ft. A rock in place 6 x 6 x 4 ft. exposed and chiseled CG, 1-D, 4, 3171 + BR, S.  $37^{\circ} 07'$  E. 33.8 ft.
- Thence N.  $82^{\circ} 58'$  E.
- 65.00 Cross dry wash, flows northerly.
- 147.36 North Center End, a mound of stone.
- 219.00 Cross wagon road, course northwesterly and south easterly.
- 444.14 Corner No. 1, the place of beginning.
- All corners are identical with their respective locations. Magnetic declination at each corner is  $16^{\circ}$  to the east.
- COPPER GIANT LODE:
- Beginning at Cor. No 1, identical with Cor. No 4 of the Dexter lode of this survey, cor. described above, from which the Cor. of Secs. 25, 30, 31 & 36, T. 23 N., Rgs. 12 & 13 W. brs. N.  $89^{\circ} 04'$  E. 1733.36 ft.
- Thence S.  $6^{\circ} 58'$  E.
- 1029.70 Cross wagon road, course northwesterly and southeasterly.
- 1499.70 Corner No. 2, identical with Cor. No. 3 of the Dexter lode of this survey. Cor. described above.

Feet. COPPER GIANT lode continued.

Thence S.82° 58' W.

172.88 North Center End of the Victoria lode of this survey, described later.

300.00 South Center End, a porphyry stone 5 x 8 x 24 ins. long set 1/2 in ground and chiseled + on top for exact point surrounded with a substantial mound of stone.

472.88 Cor. No. 2 of the Victoria lode of this survey, described later, also intersect line 1 - 4 of Keystone Extension lode of this survey, S. 26° 06' W. 13.12 ft. from Cor, No. 1.

600.00 Corner No. 3, a schist stone 3 x 10 x 24 ins long set 1/2 in ground and chiseled 3-3171 on north face and CG with + for exact point on top with a substantial mound of stone along side. From cor. a rock in place 1 1/2 x 3 x 4 ft. exposed and chiseled CG-3-3171, B+R, brs. S. 44° 52' E. 5.4 ft. An 8 in. branch of a branching cedar, blazed and scribed 3-CG, 3171+BT brs. N.28° 07' W. 28.0 ft.

Thence N. 6° 58' W.

110.74 Cor No. 2 of the Keystone lode of this survey, described later, also intersect line 1-2 of the Keystone Extension lode of this survey, N.60° 24' W. 167.18 ft. from Cor. No. 1.

1499.70 Corner No. 4, on line 1 - 2 of the Keystone lode of this survey, S. 6° 58' E. 57.72 ft. from cor. No. 1.

Cor. No. 4 is a porphyry stone 8 x 10 x 24 ins. long set 1/2 in ground and chiseled CG-4 on south face and 3171 with + for exact point on top, with a substantial mound of stone along side. From Cor. a piñon tree 12 in. in diam. blazed and scribed 4- CG- 3171 + B.T. brs. N 58° 00' W. 15.5 ft., another Piñon tree 8 ins. in diam. blazed and scribed 4-CG-3171+BT brs. N.10° 37' W. 28.6 ft.

Thence N.82° 58' E.

300.00 North Center End, a schist stone 8 x 8 x 24 ins. long set 1/2 in ground and chiseled CG- EC, on south face with + on top for exact point and with substantial mound of stone

Feet. along side.

600.00 Corner No. 1 the place of beginning.

All corners are identical with their respective locations. Magnetic declination at each corner is  $16^{\circ}$  to the east.

VICTORIA

Beginning at Cor. No. 1, a porphyry stone 3 x 8 x 24 ins long set  $\frac{1}{2}$  in ground and chiseled on top V with + for exact point and on south west face 1-3171 with substantial mound of stone along side. From cor. a rock in place  $1\frac{1}{2}$  x 2 x 5 ft. exposed and chiseled V-1, 3171, B+R brs. N.  $54^{\circ} 00'$  W. 8.7 ft. The  $\frac{1}{4}$  Sec. Cor. for Secs. 31 & 36, T. 23 N., Rgs. 12 & 13 W. brs. S.  $51^{\circ} 22'$  E. 1824.22 ft.

Thence S.  $82^{\circ} 58'$  W.

65.00 Intersect the west side line of the Contact Extension lode, unsurveyed, N.  $41^{\circ} 11'$  E. 390.20 ft. from the south west cor.

127.12 Cor. No., 3 of the Dexter lode identical with Cor. No. 2 of the Copper Giant lode both of this survey, Cor. described above.

300.00 North Center End, a mound of stone.

427.12 S.C.E. of Copper Giant lode of this survey, described above.

600.00 Corner No. 2, a schist stone 3 x 7 x 24 ins long set  $\frac{1}{2}$  in ground and chiseled V-2-3171 on east face with + on top for exact point and with mound of stone alongside. From Cor. a rock in place  $1\frac{1}{2}$  x  $1\frac{1}{2}$  x 4 ft. exposed and chiseled V-2-3171 B+R brs. S.  $80^{\circ} 00'$  W. 3.9 ft. Cor. No. 1 of the Keystone Extension lode of this survey brs. N.  $26^{\circ} 06'$  E. 13.12 ft.

Thence S.  $26^{\circ} 06'$  W.

105.00 Cross dry wash flows westerly.

1486.88 Cor. No. 4 of the Keystone Extension lode of this survey, described later.

1489.17 Cor. No. 3, a malpais stone 14 x 12 x 24 ins long set  $\frac{1}{2}$  in ground and chiseled V-3-3171 on north face with + on

Feet.

VICTORIA lode continued;

top for exact point.

Thence N.82° 58' E.

300.00 South Center End, a malpais stone 14 x 14 x 24 ins. long  $\frac{1}{2}$  in ground and chiseled with + on top for exact point and with substantial mound of stone along side.

600.00 Corner No. 4, a malpais stone 12 x 16 x 24 ins long  $\frac{1}{2}$  in ground and chiseled V-4-3171 on north face with a + *and substantial mound of stone alongside* on top for exact point. A rock in place 1 x 2 x 2 ft. exposed and chiseled V-4-3171 B+R brs. N. 2° 53' E. 22.7 ft.

Thence N.26° 06' E.

263.14 Intersect the south end line of the Contact lode, unsurveyed, S.69° 00'E. 315.28 ft from the south west cor.

1025.35 Intersect the north end line of the Contact lode, identical with the south end line of the Contact Extension lode, both unsurveyed, S. 45° 37' E. 164.26 ft. from the north west corner of the Contact lode and the south west cor. of the Contact Extension lode. S.W.Cor. said Contact lode brs. S.36°44'W. 856.50 ft.from N.W.Cor.thereof.

1085.00 Cross dry wash flows northerly.

1489.17 Corner No. 1, the place of beginning.

All corners are identical with their respective locations. Magnetic declination at each corner is 16° to the east.

KEYSTONE EXTENSION

Beginning at Cor. No. 1, a schist stone 4 x 6 x 24 ins. long set  $\frac{1}{2}$  in ground and chiseled KEx-1-3171 on south face with + on top for exact point and with substantial mound of stone along side: From Cor. ~~the~~ cor. No. 2 of the Victoria lode of this survey, described above; brs. S. 26° 06' W. 13.12 ft. The 1/4 Sec. Cor. of Secs. 31 & 36, T. 23 N., Rgs. 12 & 13 W. brs. S. 61° 52' E. 2284.64 ft.

Thence N.60° 24' W.

167.18 Cor. No. 2 of the Keystone lode of this survey, described later, also intersect line 3-4 of the Copper Giant lode of this survey, N. 6° 58' W. 110.74 ft. from Cor. No. 3.

Feet.	
296.03	North Center End, a porphyry stone 7 x 10 x 24 ins. long set $\frac{1}{2}$ in ground with + on top for exact point and chiseled KEx on south face with a substantial mound of stone alongside.
595.77	Corner No. 2, identical with Cor. No. 1 of the Janie lode of this survey, a schist stone 8 x 8 x 35 ins. long set $\frac{1}{2}$ in ground and chiseled KEx-2-3171 on south face and J-1-3171 on west face with a + on top for exact point with a substantial mound of stone alongside. No bearings. Thence S.26° 06' W.
44.34	Intersect line 2-3 of the Keystone lode of this survey. N.66° 20' W. 428.18 ft from Cor. No. 2.
165.00	Cross dry wash, flows northwesterly.
1500.00	Corner No. 3, identical with Cor, No. 4 of the Janie lode of this survey, a malpais stone 10 x 12 x 26 ins. long set 12 ins. in the ground and chiseled KEx-3-3171 on north-east face and J-4-3171 on north west face with + on top for exact point and with a substantial mound of stone along side. From corner a rock in place 1 x 3 x 6 ft. exposed and chiseled B+R- KEX-3-J-4-3171 brs. S.52° 50'W. 33.3 ft. Thence S. 60° 24' E.
299.74	South Center End, a mound of stone.
595.77	Corner No. 4, a rock in place $1\frac{1}{2}$ x 3 x 3 ft. exposed and chiseled KEX-4-3171 on south face with + for exact point. From Cor. Cor. No. 3 of the Victoria lode of this survey brs. S.26° 06' W. 2.29 ft. Thence N.26° 06' E.
1381.88	Cross dry wash, flows westerly.
1486.88	Corner No. 2 of the Victoria lode of this survey, described above.
1500.00	Corner No. 1 the place of beginning. All corners are identical with their respective locations Magnetic declination at each corner is 16° to the east.

Feet.

JANIE

Beginning at Cor. No. 1, identical with Cor. No. 2 of the Keystone Extension lode of this survey, corner described above, from which the 1/4 Sec. Cor. of Secs. 31 & 36, T. 23 N., Rgs. 12 & 13 W. brs. S.61° 34' E. 2880.23 ft.

Thence N.60° 24' W.

167.04 Intersect line 3-4 of the Keystone lode of this survey N.30° 22' E. 61.99 ft. from Cor. No. 3.

279.89 North Center End, a schist stone 3 x 12 x 24 ins long set 1/2 in ground and chiseled NCE-J with a + for exact point and with substantial mound of stone along side.

579.65 True point for Cor. No. 2. This point fell in a dry wash which flows northwesterly. A corner established here would be in danger of being washed out so I established a witness corner for Cor. No. 2; said Witness Corner is S.26° 06' W. 35.5 ft. from the true point for corner. Witness Corner is a rock in place 2 x 2 x 1 ft: exposed and chiseled WC-J-2-3171 with a + for exact point and with a substantial mound of stone along side. From Witness Corner a rock in place 3 x 3 x 2 ft. exposed and chiseled B+R-WC-J-2-3171 brs. N.68° 3' W. 17.5 ft.

Thence S.26° 06' W.

From true point for corner.

35.50 W.C. for Cor. No. 2; heretofore described.  
1500.00 Corner No. 3, a malpais stone 3 x 10 x 24 ins long set 1/2 in ground and chiseled J-3-3171 on east face with + on top for exact point and with substantial mound of stone along side. From Cor. a rock in place 1 x 2 x 3 ft. exposed and chiseled B+R- J- 3- 3171 brs. S.71° 22' E. 6.3 ft.

Thence S.60° 24' E.

299.76 South Center End, a mound of stone.

579.65 Corner No. 4, identical with Cor. No. 3 of the Keystone Extension lode of this survey, Cor. described above.

Thence N. 26° 06' E.

1335.00 Cross dry wash, flows northwesterly.

Feet.	<u>JANIE lode continued:</u>
1455.66	Intersect line 3-2 of the Keystone lode of this survey S.66° 20' E. 171.50 ft. from Cor. No. 3.
1500.00	Corner No. 1 the place of beginning. All corners are identical with their respective locations Magnetic declination at each corner is 16° to the east.
	<u>KEYSTONE</u>
	Beginning at Corner No. 1, a schist stone 10 x 10 x 24 in <sup>s</sup> long set $\frac{1}{2}$ in ground and chiseled 1-3171 on south face and K with a + for exact point on top and with a substantial mound of stone along side. From Cor. a piñon tree 7 in <sup>s</sup> in diam. blazed and scribed 1-K-3171 +BT brs. S.31° 23' W. 32.4 ft. Another Piñon tree 10 in <sup>s</sup> in diam. blazed and scribed 1-K-3171 +BT brs. N.15° 12' W. 49.5 ft. The Cor. of Secs. 25, 30, 31 & 36, T. 23 N., Rgs. 12 & 13 W. brs. N.88° 55' E. 2336.03 ft. Thence S.6° 58' E.:
57.72	Cor. No. 4 of the Copper Giant lode of this survey, Cor. described above.
1446.68	Corner No. 2, a porphyry stone 6 x 10 x 24 in <sup>s</sup> long set $\frac{1}{2}$ in ground and chiseled 2-3171 on west face and K with a + for exact point on top and with substantial mound of stone along side. From Cor. a rock in place chiseled K-2-3171+ BR brs. N.32° 48' E. 23.2 ft. Another rock in place 1 x 1 $\frac{1}{2}$ x 3 $\frac{1}{2}$ ft. exposed and chiseled K-2-3171- B+R brs. S.82° 17' E. 6.5 ft. Cor. No.2 is on line 1-2 Keystone Extension lode of this survey, S.60° 24' E.428.59 ft. from Cor. No. 2. Thence N.66° 20' W.
300.00	South Center End, a porphyry stone 3 x 10 x 24 in <sup>s</sup> long set $\frac{1}{2}$ in ground and chiseled E.C. on north face and K with + for exact point on top with a substantial mound of stone along side.
428.18	Intersect line 2-3 of the Keystone Extension lode, identical with line 1-4 of the Janie lode, both of this survey, S.26° 06' W. 44.34 ft from Cor. No 2 of the Keystone Extension lode and Cor. No. 1 of the Janie lode.
599.68	Corner No. 3, a porphyry stone 8 x 10 x 24 in <sup>s</sup> long set $\frac{1}{2}$

Feet.

KEYSTONE lode continued:

in ground and chiseled 3 on east face with K-3171 and + for exact corner point on top and with substantial mound of stone along side. From corner a rock in place 4 x 4 x 5 ft. exposed and chiseled K-3-3171 +BR brs. S.35° 43'W. 44.8 ft.

Thence N.30° 22' E.

61.99 Intersect line 1-2 of the Janie lode of this survey

N.60° 24' W. 167.04 ft. from Cor. No. 1.

559.00 Corner No. 4, a Porphyry stone 10 x 12 x 24 ins long set  $\frac{1}{2}$  in ground and chiseled 4 in east face with K-3171 and + for exact point on top, with substantial mound of stone along side. From Corner a cedar tree 10 ins in diam. blazed and scribed 4 K. 3171 + BT brs. S.77° 08'W. 62.5 ft.

Thence N. 3° 35' E.

734.42 Corner No. 5, a porphyry stone 5 x 12 x 26 ins long set  $\frac{1}{2}$  in ground and chiseled 5 on south east face with K-3171 and + for exact point on top and with mound of stone along side.

Thence S.66° 20' E.

23.00 North Center End, a mound of stone.

49.50 Corner No. 1 the place of beginning.

All corners are identical with their respective locations. Magnetic declination at each corner is 16° to the east.

L E D G E S

The presumed courses of the ledges of this survey, as near as can be traced upon the ground are as follows;

DEXTER:

Course of ledge is from a point on line 2-3, S.82° 58' W. 296.78 ft. from Cor. No. 2, thence N.6° 58'W. 1499.70 ft. to intersection of line 4-1.

COPPER GIANT;

Course of ledge is from a point on line 2-3,

LEDGES continued;

S.82° 58' W. 300.00 ft from Cor. No. 2, thence N.6° 58' W. 1499.70 ft to the intersection of line 4-1.

VICTORIA;

Course of ledge is from a point on line 3-4, N.82° 58' E. 300.00 ft. from Cor No. 3, thence N.26° 06'E. 1489.17 ft. to the intersection of line 1-2.

KEYSTONE EXTENSION;

Course of ledge is from a point on line 1-2, N.60° 24' W. 296.03ft. from Cor. No. 1, thence S.26° 06'W. 1500.00 ft. to the intersection of line 3-4.

JANIE;

Course of ledge is from a point on line 1-2, N.60° 24' W. 279.89 ft. from Cor. No. 1, thence S.26° 06'W. 1500.00 ft to intersection of line 3-4.

KEYSTONE;

Course of ledge is from a point on line 2-3, N.66° 20'W. 300.00ft. from Cor. No. 2, thence N.3° 14' E. 1328.33 ft. to intersection of line 5-1.

I M P R O V E M E N T S

I certify that the value of the labor and improvements upon the claims embraced in this survey, placed thereon by the claimant and its grantors, is not less than \$500.00 for each claim, and that said improvements consist of;

DEXTER;

- No.1. Discovery shaft 4 x 6 x 10 ft deep, from which Cor. No. 4 brs. N.23° 24' W. 521.1 ft.  
Value, . . . . . \$ 80.00
- No.2. Open Cut, 4 x 20 x 10 ft. face, from face of which Cor. No. 4 brs. N.23° 35' W. 515.0 ft.  
Value, . . . . . \$ 70.00

To be accredited to this claim is an undivided 1/6 th. interest in improvement No 1, Copper Giant lode.  
Value, . . . . . \$ 4440.00

COPPER GIANT;

- No.1. Discovery shaft. A well timbered shaft 5 x 8 x 555 ft. deep. Course down shaft S.82° 00' W. Dip 80° to west. From shaft Cor. No. 1 brs. N.11° 43' E. 936.6 ft.  
Total value of improvement, \$ 26640.00

This shaft is a common improvement to all the claims  
10.

IMPROVEMENTS continued;

embraced in this survey, as it is being sunk to actually develop and extract the ore bodies of these various ledges. From this shaft at different levels, drifts and cross-cuts will be run, and the ore bodies of these lodes will be extracted through this main working shaft. *This is practical for the reason that this shaft is actually sunk to a much lower elevation than any other point on this entire group, sinking will still be continued*

To be accredited to this claim is an undivided 1/6 th. interest in said improvement No. 1.

Value, . . . . . \$ 4440.00

Also to be accredited to this claim are the drifts, cross-cuts and a winze which will be described in the following; measurements down shaft No.1. 100.00 ft. measured on the incline is the "100" level, 208.00 ft. measured on the incline is the "208" level, 295.00 ft. measured on the incline is the "295" level, 350.00 ft. measured on the incline is the "350" level, 450.00 ft. measured on the incline is the "450" level, 550.00 ft. measured on the incline is the "550" level.

"100" level;

From Sta. in shaft, S.14° 00'E. 63.0ft. face S.drift.  
" " " " , N. 2° 45'W. 90.0ft. Sta.A, in shaft.  
" " A , N.14° 45'E. 45.0ft. " B,  
Also " " A , West 12.0ft. Face cross-cut.  
" " B , N.47° 15'W. 17.0ft. Sta.C, point  
in shaft No.3, described later.  
From Sta. C , S.82° 00'E. 20.0ft. Face cross-cut.  
Also " " C , N.82° 00'W. 34.0ft. " "  
and at winze 16.0 ft deep.

"208" level;

From Sta. in shaft, S.14° 00'E. 58.0ft. Face S. drift.  
" " " " , N.10° 00'W. 56.0ft. " N. " .

"295" level;

From Sta. in shaft, S. 9° 00'E. 48.0ft. Sta.D.  
" " D , S.59° 00'E. 16.0ft. Face S. drift.  
From Sta. in shaft, N. 6° 30'W. 28.5ft. Sta.E.  
" " E , N.24° 30'W. 27.5ft. " F.  
" " F , N. 3° 00'W. 28.5ft. " G.  
" " G , N. 7° 00'E. 16.0ft. " H.  
" " H , N.16° 15'W. 11.0ft. " I.  
" " L , N.16° 30'E. 25.0ft. Face N. drift.  
Also " " G , N.66° 30'W. 99.0ft. Face cross-cut. At a point 43.0 ft. in this cross-cut there is a drift run N.31° 45'E. 33.0ft. to face.

*1026.5 Drifts  
184' Leads  
16 winzes*

"350" level;

From Sta. in shaft, S.12° 00'E. 35.0ft. Face S. drift.  
" " " " , N. 8° 00'W. 45.0ft. " N. " .

"450" level;

From Sta. in shaft, S.10° 00'E.100.0ft. " S. " .  
" " " " , N.10° 00'W.105.0ft. " N. " .

"550" level;

From Sta. in shaft, S.12° 00'E.100.0ft. " S. " .  
" " " " , N. 6° 00'W.100.0ft. " N. " .

*The average cross section of the drifts and cross cuts is 5x7 ft. of the winze 5x6 ft.*

Total value of drifts, crosscuts and winze, \$14814.00

No.2. Shaft 4 x 6 x 10 ft. deep, from which Cor. No. 1.  
brs. N.16° 53' E. 830.0 ft.  
Value, . . . . . \$ 80.00

IMPROVEMENTS continued;

- No. 3. Shaft 4 x 6 x 55 ft. deep from which cor. No 1  
brs. N.15° 54' E. 811.0 ft.  
Value, . . . . . \$ 660.00
- No. 4. Open trench 30 x 3 x 2 ft. deep, from center of which  
Cor. No. 1 brs. N.20° 33' E. 671.0 ft.  
Value, . . . . . \$ 10.00
- No. 5. Tunnel, 5 x 7<sup>1</sup>/<sub>2</sub> course, S 8° 52' E. 52.0 ft., thence  
S.68° 07' E. 40.0 ft. to face.  
Value, . . . . . \$ 900.00  
From the mouth of Tunnel No. 5, Cor. No. 4 brs.  
S.85° 59' W. 246.0 ft.

VICTORIA;

- No. 1. Discovery Monument, a mound of stone, 3<sup>1</sup>/<sub>2</sub> ft base  
and 3 ft. high located on the mineral bearing outcrop,  
from which Cor. No. 2 brs. N.56° 11' W. 253.5 ft.
- No. 2. Shaft 5 x 5 x 23 ft deep, from which Cor. No. 2  
brs. N.57° 45' W. 248.0 ft.  
Value, . . . . . \$ 460.00
- No. 3. Open Cut and Tunnel. Course S.13° 37' E. 23 ft.  
to beginning of tunnel, thence S.39° 53' W. 17.0 ft.  
to face of tunnel. Tunnel is 5 ft. wide and 6 ft. high.  
From beginning of Open Cut Cor. No. 2 brs. N.23° 33' W.  
342.0 ft.  
Value, . . . . . \$ 200.00  
  
To be accredited to this claim is an undivided 1/6  
th. interest in shaft No. 1 of the Copper Giant  
lode.  
Value, . . . . . \$4440.00

KEYSTONE EXTENSION;

- No. 1. Discovery Cut. An open cut 5 x 14 x 8 ft. face  
from face of which Cor. No 2 brs. N.31° 18' W. 355.1 ft.  
Value, . . . . . \$ 50.00  
  
To be accredited to this claim is an undivided 1/6  
th. interest in shaft No. 1. Copper Giant lode.  
Value, . . . . . \$4440.00

JANIE;

- No. 1. Discovery Cut. An open cut 4 x 18 x 8 ft face  
from face of which Cor. No 1 brs. N.21° 45' E. 338.4 ft.  
Value, . . . . . \$ 50.00
- No. 2. Open Cut and Tunnel. Course from beginning of tunnel  
N.20° E. 27.0 ft. to beginning of cut, also S. 20° W.  
8 ft. to face of tunnel. From beginning of tunnel, Cor.  
No. 1 brs. N.88° 21' E. 478.0 ft.  
Value, . . . . . \$ 100.00  
  
To be accredited to this claim is an undivided 1/6  
th. interest in shaft No. 1, Copper Giant lode.  
Value, . . . . . \$4440.00

KEYSTONE;

- No. 1. Discovery Monument. A mound of stone 3<sup>1</sup>/<sub>2</sub> ft. base  
and 3 ft high located on the Mineral bearing outcrop  
from which Cor. No. 4 brs. N.24° 07' W. 56.3 ft.

IMPROVEMENTS continued;

- No. 2. Shaft 4 x 6 x 8 ft. deep, from which Cor. No. 4  
brs. S. 78° 33' W. 153.0 ft.  
Value, . . . . . \$ 50.00
  - No. 3. Open Cut 5 x 25 x 6 ft. face, from face of which  
Cor. No. 4 brs. S. 70° 23' W. 159.5 ft.  
Value, . . . . . \$ 30.00
  - No. 4. Shaft 12 x 10 x 6 ft deep, from which Cor. No. 2  
brs. S. 12° 08' E. 221.0 ft.  
Value, . . . . . \$ 40.00
- To be accredited to this claim is an undivided 1/6  
th. interest in shaft No 1, Copper Giant lode.  
Value, . . . . . \$4440.00

O T H E R I M P R O V E M E N T S

DEXTER;

About 900 linear feet of wagon road.

COPPER GIANT;

About 550 linear feet of wagon road.

<u>A R E A S.</u>	Acres	Acres
Total area of Dexter lode, . . . . .		15.291 ✓
Total area of Copper Giant lode, . . . . .		20.657 ✓
Total area of Victoria lode, . . . . .		17.177 ✓
Area in conflict with Contact lode, unsurveyed, . . . . .	4.348 ✓	
Area in conflict with Contact Extension lode, unsurveyed, . . . . .	1.025 ✓	
Total area of Keystone Extension lode, . . . . .		20.477 ✓
Area in conflict with Copper Giant lode, this survey, . . . . .	0.187 ✓	
Total area of Janie lode, . . . . .		19.923 ✓
Total area of Keystone lode, . . . . .		7.153 ✓
Area in conflict with Keystone Extension lode, this survey, . . . . .	0.218 ✓	
Area in conflict with Janie lode, this survey, . . . . .	0.206 ✓	

A D J O I N I N G C L A I M S

The Dexter is joined on the north end by the Charles O lode, unsurveyed, J. Brown claimant, conflicts with the Contact Extension lode, unsurveyed, L.W. Johnson and W.A. DeLiere claimants, on the south end.

The Copper Giant lode is adjoined on the north by the Uncle Cy lode, unsurveyed, J. Brown claimant.

The Victoria lode conflicts on the east with the Contact and Contact Extension lodes, both unsurveyed, L.W. Johnson and W.A. DeLiere claimants, is adjoined on the south by the Friday No. 2 lode, unsurveyed, H.L. Southers et al. claimants.

The Keystone Extension lode is adjoined on the south by the Friday No. 3 lode, unsurveyed, H.L. Southers et al. claimants.

The Janie lode is adjoined on the south by the Friday

ADJOINING CLAIMS continued;

No. 4 lode, unsurveyed, H.L.Southers et al. claimants  
on the north by the Iceman lode, unsurveyed, L.W.  
Johnson and W. A. DeLiere claimants

The Keystone lode is adjoined on the west by the  
Ice Man lode, unsurveyed, L.W.Johnson and W.A.DeLiere  
claimants.

So far as known, the balance of the ground surrounding  
these claims is Public Domain and subject to entry.

L O C A T I O N

These claims are located ~~upon unsurveyed land,~~  
~~approximately~~ in Sections 25 & 36, T.23 N., R. 13 W. of  
the G.&S.R.B.&M. In the Cottonwood Mining District,  
Mohave County, Arizona.

I N S T R U M E N T

This survey was made with a Berger No. 1 C transit.  
The distances were measured with a 100 and a 600 ft. steel  
tape. All courses were deflected from true meridian as  
determined by direct solar observation.

R E P O R T

The discrepancies between the claims of this survey  
as marked upon the ground by the location monuments and  
as described by their respective location notices are  
due to error in the location notices.

The courses and distances as reported by me are  
the result of careful field work and represent actual  
conditions on the ground.

The corners of the public survey, referred to in  
my notes were found to be in a state of good preservation  
properly marked and monumented.

I thoroughly satisfied myself while on the ground  
making the survey that the improvements accredited to  
these claims were placed thereon by the claimant and its  
grantors.

Under the head of "Other Improvements" I might have  
mentioned certain buildings located on the Copper Giant  
lode, ie. power house and shop, but I was informed that  
these buildings were only temporary and would likely  
be removed in a short time so I did not tie them in nor  
show them on my plat.

*Herbert C. Shottwell*  
U.S. Mineral Surveyor.

Mineral Survey No. 3171.

Additional Data supplementary to the original returns

While making the survey in the field, I failed to tie to the  $\frac{1}{4}$  cor. of sections 35 & 36 T. 23 N., R. 13 W. for the reason that I did not know such a  $\frac{1}{4}$  cor. was in existence and as the country was rough and brushy I failed to run across it accidentally. I was guided in this work by the General Land Office 1908 map of Arizona, which showed said T. 23 N., R. 13 W. to be unsubdivided. I was also told by residents in that vicinity that the said township had not been subdivided, so I proceeded in good faith and tied cor. No. 1 of each claim to the nearest known cor. on the township line. The facts later developed that the survey of said township, including subdivisions, was approved in 1898; also that the  $\frac{1}{4}$  sec. cor. of Secs. 35 & 36 was nearer to corners of these claims than the section corner tied to, making certain corrections necessary in my returns of Mineral Survey No. 3171.

According to instructions contained in letter dated from the office of the Surveyor General, June 18th 1915, I have returned to the field, made additional ties and have the following to report.

DEXTER lode:

Feet.

Intersections with line between sections 35 & 36, T. 23 N., R. 13 W.  
From Cor. No. 1.

Thence S. 6 58' W.

22.30

Intersect line between Secs. 35 & 36, N. 89 49' W.  
1289.63 ft. from Cor. of secs. 25, 30, 31 & 36, and S. 89 49' W. 1347.07 ft. from the  $\frac{1}{4}$  sec. cor. of secs. 35 & 36.

\* \* \* \* \*

From Cor. No. 4,

Thence N. 89 58' W.

Feet.

367.97 Intersect line between secs. 35 & 36, N. 89° 49' W.  
1467.18 ft. from the cor. of secs. 35, 30, 31 & 36,  
and S. 89° 49' W. 1169.53 ft. from the  $\frac{1}{2}$  sec. cor.  
of secs 35 & 36.

T I E S .

Additional ties made from the corner of each claim  
nearest to the  $\frac{1}{2}$  sec. cor. between secs. 35 & 36, T.  
23 W., P. 13 W.

DEXTER lode:

From Cor. No. 4, said  $\frac{1}{2}$  sec. cor. bra.,  
N. 27° 41' W., 904.30 ft.

CORDEE GIANT lode:

From cor. No. 4, said  $\frac{1}{2}$  sec. cor. bra.,  
N. 70° 31' W., 327.13 ft.

KEYSTONE lode:

From Cor. No. 5, said  $\frac{1}{2}$  sec. cor. bra.,  
N. 82° 41' W., 357.84 ft.

VICTORIA lode:

From cor. No. 2, said  $\frac{1}{2}$  sec. cor. bra.,  
W. 21° 16' W., 1698.74 ft.

KEYSTONE EXTENSION lode:

From cor. No. 2, said  $\frac{1}{2}$  sec. cor. bra.,  
N. 4° 39' W., 1281.26 ft.

JANIE lode:

From true point for Cor. No. 2, said  $\frac{1}{2}$  sec. cor.  
bra., N. 68° 00' E., 1069.50 ft.

*Herbert C. Shotwell*  
U.S. Mineral Surveyor.

# FINAL OATHS FOR SURVEYS.

## LIST OF NAMES.

A list of the names of the individuals employed by Herbert C. Shotwell  
 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  
United Verde Copper Company  
 known as the COPPER GIANT, DEXTER, KEYSTONE, VICTORIA, JANIE, KEYSTONE  
EXTENSION  
 and showing the respective capacities in which they acted.

- H.L. Souther's ..... , Chainman.
- Wm Neagle ..... , Chainman.
- ..... , Axman.
- ..... , Flagman.

## FINAL OATHS OF ASSISTANTS.

We, H.L. Souther's  
 and Wm Neagle ..... , do solemnly swear that we assisted Herbert C.  
Shotwell ..... , United States ~~Deputy~~ Mineral Surveyor, in marking the corners and surveying  
 the boundaries of the mining claim of United Verde Copper Company  
 known as the COPPER GIANT, DEXTER, KEYSTONE, VICTORIA, JANIE, KEYSTONE  
EXTENSION  
 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 .....

H.L. Souther's ..... , Chainman.  
Wm Neagle ..... , Chainman.  
 ..... , Axman.  
 ..... , Flagman.

Subscribed and sworn to by the above-named persons before me this 12th  
 day of May ..... , 1915.

William Grant  
 Notary Public



9489b5m8-03  
 My commission expires Feb 22nd  
1916

(4-686.)

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

---

I, Herbert C. Shotwell, U. S. ~~Deputy~~ Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated February 23 rd. 1915, 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 Claims of United Verde Copper Company, known as the COPPER GIANT, DEXTER, KEYSTONE, VICTORIA, JANIE, KEYSTONE EXTENSION, situate in Cottonwood Mining District, Monave County, Arizona, ~~Approx~~ in Sections 25 & 36, Township No. 23 N., Range No. 13 W. Uncor., and designated as Survey No. 3171, 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 its 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.

*Herbert C. Shotwell*  
U. S. ~~Deputy~~ Mineral Surveyor

Subscribed and sworn to by the said Herbert C. Shotwell,  
U. S. Deputy Mineral Surveyor, before me Richard Lamer  
a Notary Public this 10<sup>th</sup>  
day of May, 1915.

Richard Lamer  
Notary Public

My commission expires March 3-1917.

# Amended Location Certificate

FEB 23 1915  
FEB 9- 1915

KNOW ALL MEN BY THESE PRESENTS, That UNITED VERDE COPPER COMPANY,  
 a corporation, duly organized and doing business in Mohave County, Ariz.  
 the undersigned ~~citizen~~ of the United States, ~~over the age of twenty-one years~~, having complied  
 with all the requirements of the laws of the United States and the State of Arizona, relating to mining  
 claims, and with the local laws, customs, rules and regulations of Cottonwood  
 Mining District, hereby make and file this its amended location of  
 the COPPER GIANT Lode, claiming by right of discovery, location, primal appropriation  
 and possession 1500 feet, linear and horizontal measurement, on this vein or  
 lode of quartz, or other rock in place, bearing gold and copper and other valuable min-  
 erals, with all dips, variations and angles the same being 885 feet along the  
 ledge in a N. 6° 55' W. direction from the discovery stake and 615  
 feet along the ledge in a S. 6° 55' E. direction therefrom, together with 300  
 feet in width on each side of the middle of said ledge, and all veins, lodes, ledges, mineral deposits,  
 mineral and surface ground within the lines of said claim.

Situate in Cottonwood Mining District, County of Mohave,  
 State of Arizona, in and more particularly described as  
 follows, to-wit:

Beginning at the discovery of the claim, where a location  
monument is established and this notice posted: Thence N. 6° 55'  
W. 885 ft. to the North end center monument: Thence N. 83° 05' E.  
300 ft. to the N. E. Cor. monument, whence corner to sec's 25, 30,  
31, 36, T. 23 N., Rg. 12 & 13 W., Bears N. 88° 57' E. 1766.96 ft.  
Thence S. 6° 55' E. 1448.2 ft. to the S. E. Cor. monument. Thence  
S. 83° 05' W. 300 ft. to the South end center monument, 600 ft. to  
the S. W. Cor. monument. Thence N. 6° 55' W. 1500 ft. to the N. W.  
Cor. monument. Thence N. 83° 05' E. 300 ft. to the North end center  
monument, the place of beginning.

THIS AMENDED LOCATION is made in conformity with the original location, made  
January 6 th, 1908, recorded January 31st, 1908, in Book "Y",  
 Page 748, of Quartz Locations, in the office of the Recorder of said County, and it is made for  
 the purpose of appropriating all ground within the boundaries hereinbefore described, and of more  
 definitely describing the situation and boundaries of said lode, correcting any irregularities, informal-  
 ities or errors, supplying omissions and correcting any defects which may have existed in the original  
 location, or the record thereof, hereby waiving no rights acquired under and by virtue of said original  
 location. And if the original location or the certificate thereof is void, then this location shall be  
 an original location and this certificate an original certificate.

Date of Original Discovery January 6 th. A. D. 1908  
 Date of Amended Location October 19th. A. D. 1914

Attest:

UNITED VERDE COPPER COMPANY.

Recorded at the request of William Neagle at 50 minutes past 9 o'clock  
 A. M. October 21st, 1914, in Book I.I. of Mining Claims, page 31.  
 Records of Mohave County, Arizona.

J. W. Morgan, County Recorder.  
 By J. T. Morgan, Deputy.



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# Amended Location Certificate

KNOW ALL MEN BY THESE PRESENTS, That UNITED VERDE COPPER COMPANY,  
a corporation, duly organized and doing business in Mohave County, Ariz.  
the undersigned ~~citizen of the United States, over the age of twenty-one years,~~ having complied  
with all the requirements of the laws of the United States and the State of Arizona, relating to mining  
claims, and with the local laws, customs, rules and regulations of Cottonwood  
Mining District, hereby make and file this its amended location of  
the DEXTER Lode, claiming by right of discovery, location, primal appropriation  
and possession 1500 feet, linear and horizontal measurement, on this vein or  
lode of quartz, or other rock in place, bearing gold and copper and other valuable min-  
erals, with all dips, variations and angles the same being 512 feet along the  
ledge in a N. 6° 55' W. direction from the discovery stake and 988  
feet along the ledge in a S. 6° 55' E. direction therefrom, together with 300  
feet in width on each side of the middle of said ledge, and all veins, lodes, ledges, mineral deposits,  
mineral and surface ground within the lines of said claim.

Situate in Cottonwood Mining District, County of Mohave,  
State of Arizona, in ..... and more particularly described as  
follows, to-wit:

Beginning at the discovery of the claim, where a location  
monument is established and this notice posted: Thence N. 6° 55'  
W. 512 ft. to the North end monument. Thence N. 83° 05' E. 500ft.  
to the N. E. Corner monument, whence corner to sec's 25, 30, 31,  
36, T. 23 N., R. 12 & 13 W., bears S. 88° 54' E. 1292.67 ft.  
Thence S. 6° 55' E. 1500 ft. to the S. E. corner monument. Thence  
S. 83° 05' W. 300 ft. to the South end center monument, 477.7 ft.  
to the S. W. Cor. monument. Thence N. 6° 55' W. 1500 ft. to the  
N. W. Cor. monument. Thence N. 83° 05' E. 147.7 ft. to the North  
end center monument, the place of beginning.

THIS AMENDED LOCATION is made in conformity with the original location, made  
January 6 th. 1908, recorded February 11 th. 1908, in Book "Y",  
Page 799, of Quartz Locations, in the office of the Recorder of said County, and it is made for  
the purpose of appropriating all ground within the boundaries hereinbefore described, and of more  
definitely describing the situation and boundaries of said lode, correcting any irregularities, informal-  
ities or errors, supplying omissions and correcting any defects which may have existed in the original  
location, or the record thereof, hereby waiving no rights acquired under and by virtue of said original  
location. And if the original location or the certificate thereof is void, then this location shall be  
an original location and this certificate an original certificate.

Date of Original Discovery January 6 th. A. D. 1908  
Date of Amended Location October 19th. A. D. 1914

Attest: .....

UNITED VERDE COPPER COMPANY.

Recorded at the request of William Neagle at 30 minutes past 9 o'clock  
A. M., October 21st, 1914, in Book I.I. of Mining Claims, pages 31-32.  
Records of Mohave County, Arizona. J. W. Morgan, County Recorder.

By J. T. Morgan, Deputy.



# Amended Location Certificate

KNOW ALL MEN BY THESE PRESENTS, That UNITED VERDE COPPER COMPANY,  
a corporation, duly organized and doing business in Mohave County, Ariz.

the undersigned ~~citizen~~ ~~of the United States~~ ~~over the age of twenty-one years~~, having complied with all the requirements of the laws of the United States and the State of Arizona, relating to mining claims, and with the local laws, customs, rules and regulations of Cottonwood Mining District, hereby make and file this its amended location of the KEYSTONE Lode, claiming by right of discovery, location, primal appropriation and possession 1325.56 feet, linear and horizontal measurement, on this vein or lode of quartz, or other rock in place, bearing gold and copper and other valuable minerals, with all dips, variations and angles the same being 698.8 feet along the ledge in a N. 6° 55' W. direction from the discovery stake and 626.76 feet along the ledge in a S. 13° 27' W. direction therefrom, together with 300 feet in width on each side of the middle of said ledge, and all veins, lodes, ledges, mineral deposits, mineral and surface ground within the lines of said claim.

Situate in Cottonwood Mining District, County of Mohave, State of Arizona, in and more particularly described as follows, to-wit:

beginning at the discovery of the claim where a location monument is established and this notice posted: Thence N. 6° 55' W. 698.8 ft. to the North end center monument: Thence S. 60° 21' E. 28.39 ft. to the N. E. Cor. monument, whence corner to Sec's 25, 30, 31, 36, T. 23 N., Rs. 12 & 13 W., bears N. 88° 52' E. 2369.75 ft. Thence S. 6° 55' E. 1448.2 ft. to the S. E. Cor. monument; Thence N. 60° 21' W. 300 ft. to South End Center monument 600 ft. to the S. W. corner monument; Thence N. 33° 23' E. 477.78 ft. to the West side monument: Thence N. 2° 53' E. 768.75 ft. to the N. W. Cor. monument: Thence S. 60° 21' E. 23.97 ft. to the North end center monument the place of beginning.

THIS AMENDED LOCATION is made in conformity with the original location, made January 7 th. 1908, recorded January 31st. 1908, in Book "Y", Page 773, of Quartz Locations, in the office of the Recorder of said County, and it is made for the purpose of appropriating all ground within the boundaries hereinbefore described, and of more definitely describing the situation and boundaries of said lode, correcting any irregularities, informalities or errors, supplying omissions and correcting any defects which may have existed in the original location, or the record thereof, hereby waiving no rights acquired under and by virtue of said original location. And if the original location or the certificate thereof is void, then this location shall be an original location and this certificate an original certificate.

Date of Original Discovery January 7 th. A. D. 1908  
Date of Amended Location October 19 th. A. D. 1914

Attest:

UNITED VERDE COPPER COMPANY.

Recorded at the request of William Neagle at 30 minutes past 9 o'clock A. M., October 21st, 1914, in Book I.I. of Mining Claims, pages 32-33. Records of Mohave County, Arizona. J. W. Morgan, County Recorder.  
By J. T. Morgan, Deputy.



# Amended Location Certificate

KNOW ALL MEN BY THESE PRESENTS, That UNITED VERDE COPPER COMPANY,  
 a corporation, duly organized and doing business in Mohave County, Ariz.  
 the undersigned ~~citizens~~ of the United States, over the age of ~~twenty-one~~ years, having complied  
 with all the requirements of the laws of the United States and the State of Arizona, relating to mining  
 claims, and with the local laws, customs, rules and regulations of Cottonwood  
 Mining District, hereby make and file this its amended location of  
 the VICTORIA Lode, claiming by right of discovery, location, primal appropriation  
 and possession 1500 feet, linear and horizontal measurement, on this vein or  
 lode of quartz, or other rock in place, bearing gold and copper and other valuable min-  
 erals, with all dips, variations and angles the same being 198.5 feet along the  
 ledge in a N. 26° 13' E. direction from the discovery stake and 1301.5  
 feet along the ledge in a S. 26° 13' W. direction therefrom, together with 300  
 feet in width on each side of the middle of said ledge, and all veins, lodes, ledges, mineral deposits,  
 mineral and surface ground within the lines of said claim.

Situate in Cottonwood Mining District, County of Mohave,  
 State of Arizona, in and more particularly described as  
 follows, to-wit:

Beginning at the discovery of the claim, where a location  
 monument is established and this notice posted. Thence N. 26° 13'  
E. 198.5 ft. to the North end center monument. Thence N. 83° 05'  
E. 300 ft. to the N. E. Corner monument, whence 1/4 corner between  
Sec.s 31 & 36, T. 23 N., Rs. 12 & 13 W., bears S. 51° 20' E. 1799.26  
ft. Thence S. 26° 13' W. 1500 ft. to the S. E. corner monument.  
 Thence S. 83° 05' W. 300 ft. to the South end center monument, 600  
ft. to the S. W. corner monument. Thence N. 26° 13' E. 1500 ft. to  
 the N. W. corner monument. Thence N. 83° 05' E. 300 ft. to the  
 North end center monument, the place of beginning.

THIS AMENDED LOCATION is made in conformity with the original location, made  
January 27th. 1908, recorded February 11 th. 1908, in Book "Y",  
 Page 798, of Quartz Locations, in the office of the Recorder of said County, and it is made for  
 the purpose of appropriating all ground within the boundaries hereinbefore described, and of more  
 definitely describing the situation and boundaries of said lode, correcting any irregularities, informali-  
 ties or errors, supplying omissions and correcting any defects which may have existed in the original  
 location, or the record thereof, hereby waiving no rights acquired under and by virtue of said original  
 location. And if the original location or the certificate thereof is void, then this location shall be  
 an original location and this certificate an original certificate.

Date of Original Discovery January 27 th. A. D. 1908  
 Date of Amended Location October 19 th. A. D. 1914

Attest:

UNITED VERDE COPPER COMPANY.

Recorded at the request of William Neagle at 30 minutes past 9 o'clock  
 A. M., October 21st, 1914, in Book I.I. of Mining Claims, pages 33-34.  
 Records of Mohave County, Arizona. J. W. Morgan, County Recorder.  
 By J. T. Morgan, Deputy.



AMENDED NOTICE OF MINING LOCATION

LODE CLAIM

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the Janie lode 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 purchase by United Verde Copper Company, a corporation duly organized and doing business in Mohave County, Arizona. (Locator must insert either "a citizen of the United States," or, "who has declared his intention to become a citizen of the United States.") the undersigned, on the 4th day of September 1913.

The length of this claim is 1500 feet, and it claims 200 feet, in a N. 26° 59' E. direction and 1298.5 feet in a S. 26° 59' W. 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 N. E. to the S. W.

The claim is situated and located in the Cottonwood Mining District, in Mohave County, in the State of Arizona, about 8 miles in a S. E. direction from Hackberry, Arizona.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a monument of stone at a point in a N. 26° 59' E. direction 200 feet from the discovery shaft (at which this notice is posted,) being in the center of the North end line of said claim; thence S. 60° 21' E. 280 feet to a monument of stone, being the N. E. corner of said claim; whence 1/4 corner between Secs. 31 & 36, T. 23 N., R S. 12 & 13 W., bears S. 61° 38' E. 2860.32 ft. thence S. 26° 13' W. 1500 feet to a Monument of stone, being at the S. E. corner of said claim; thence N. 60° 21' W. 300 feet to a Monument of stone at the center of the South end of said claim; thence N. 60° 21' W. 300 feet to a Monument of stone, being at the S. W. corner of said claim; thence N. 26° 59' E. 1500 feet to a monument of stone at the N. W. corner of said claim; thence S. 60° 21' E. 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 Janie lode Mining Claim, located by United Verde Copper Company on the 4th day of September 1913, and recorded in Book J.J. of Records of Mines, at page 466, in the office of the County Recorder of the aforesaid County of \_\_\_\_\_ 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 16th day of January, 1915.

UNITED VERDE COPPER COMPANY  
by Will L. Clark  
legal agent.



Filed and Recorded at request of Wm Neagle January 19th A. D. 1915 at 9 O'clock A. M. Book I. I. of Mines, Pages 48-49.

J. W. Morgan,  
County Recorder.

## AMENDED NOTICE OF MINING LOCATION.

## LODE CLAIM

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the Keystone Extension lode 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 purchase by United Verde Copper Company, a corporation, duly organized and doing business in Mohave County, Arizona. (Locator must insert either "a citizen of the United States," or, "who has declared his intention to become a citizen of the United States.") the undersigned, on the 4th day of September 1913.

The length of this claim is 1500 feet, and it claims 274 feet, in a N. 26° 13' E. direction and 1226 feet in a S. 26° 13' W. 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 S. W. to the N. E.

The claim is situated and located in the Cottonwood Mining District, in Mohave County, in the State of Arizona, about 8 miles in a S. E. direction from Hackberry, Arizona.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at a monument of stone at a point in a N. 26° 13' E. direction 274 feet from the discovery shaft (at which this notice is posted,) being in the center of the North end line of said claim; thence S. 60° 21' E. 300 feet to a monument of stone, being the N. E. corner of said claim; whence 1/4 corner Between Sec's 31 & 36 T.23 N., R S. 12 & 13 W. bears S. 61° 38' E. 2860.32 ft.; thence S. 26° 21' W. 1500 feet to a monument of stone, being at the S. E. corner of said claim; thence N. 26° 21' W. 300 feet to a monument of stone at the center of the South end of said claim; thence N. 60° 21' W. 300 feet to a monument of stone being at the S. W. corner of said claim; thence N. 26° 21' E. 1500 feet to a monument of stone at the N. W. corner of said claim; thence S. 60° 21' E. 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 Keystone Extension lode Mining Claim, located by United Verde Copper Company on the 4th day of September 1913, and recorded in Book J.J. of Records of Mines, at page 465, in the office of the County Recorder of the aforesaid County of Mohave 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 16th day of January 1915.

UNITED VERDE COPPER COMPANY

by Will L. Clark

legal Agent.



Filed and Recorded at request of Wm Neagle January 19th A. D. 1915 at 9 O'clock A. M. Book I.I. of Mines, Pages 49-50.

J. W. Morgan,

County Recorder.

STATE OF ARIZONA, )  
                          ) ss.  
County of Mohave. )

I, J. W. Morgan, Recorder of Mohave County State of Arizona, do hereby certify that I have Compared the foregoing copies of Amended Location Certificates of

COPPER GIANT, DEXTER, KEYSTONE, VICTORIA, JANIE,  
and KEYSTONE EXTENSION, Lode Mining Claims ,

and of the endorsement thereon with the original records of the same on file in this office, and that the same are correct transcripts therefrom and of the whole of said original records.

WITNESS my hand and the seal of said office, this 5th day of February, A. D. 1915.



*J. W. Morgan*  
\_\_\_\_\_  
Recorder of Mohave County.

4-688.

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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

December 9, 19 15

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

UNITED VERDE COPPER COMPANY

known as the COPPER GIANT, DEXTER, KEYSTONE, VICTORIA, JANIE, KEYSTONE EXTENSION, situate in COTTONWOOD

Mining District, MOHAVE County, ARIZONA.

in Section s 25 & 36, Township No. 23 N., Range No. 13 W., and

designated as Survey No. 3171, 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 said mining claims by claimant or its grantors, and that said improvements consist of 7 shafts, 6 cuts, 3 tunnels, 1 trench and 1228.5 ft. of drifts, etc., total value \$44234. Shaft No.1 on the Copper Giant lode being a common improvement for the benefit and development of all of the claims in this survey, an undivided one-sixth interest therein, value \$4440, is properly credited to each of the claims in this survey.

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 9, 1915

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

UNITED VERDE COPPER COMPANY

known as the COPPER GIANT, DEXTER, KEYSTONE, VICTORIA, JANIE, KEYSTONE EXTENSION.

situate in COTTONWOOD Mining District, MOHAVE County, ARIZONA.

in Sections 25 & 36, Township No. 23 N., Range No. 13 W.

designated as Survey No. 3171

executed by Herbert C. Shotwell, U. S. Deputy Mineral

Surveyor, April 1-6, 1915, under my instructions dated

February 23, 1915, 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 Frank S. Ingalls

U. S. Surveyor-General for Arizona.