

JUN 22 1916  
1  
SEP 15 1916  
OCT 30 1916

*plotted*

4-683.

Mineral Survey No. 3290 A & B

Lot No. ....

ARIZONA Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

LEVIATHAN MINES COMPANY

KNOWN AS THE  
LEVIATHAN, SUMMIT, WHALE, WHALE NO. 3, COPPER WONDER NO. 1, COPPER  
WONDER NO. 2, WATER CLAIM lodes, and LEVIATHAN and SUMMIT MILL SITES.

Cedar Mining District,

Mohave County, Arizona, in Sections 19,  
20, 29, 30, 31, T. 17 N., R. 14 W. and  
Section 36, Township 17 N., Range 15 W., unapproved  
survey

Surveyed under instructions dated May 31 st., 1916,

by Peter Mc Cardell,  
U. S. Deputy Mineral Surveyor

Claim located see location notices, 1

Survey commenced June 3 rd., 1916

Survey completed June 13 th., 1916

o 6-160

Address R. C. Jacobson, General Manager,

Box 692, Kingman, Arizona.

*See letter from Sup. Oct. 16, re corrections to lines.*

JUN 22 1876  
SEP 15 2 16  
SEP 30 1918

SURVEY No. 3290 A. & B.

LEVIATHAN LODE.

Beginning at Cor. No. 1.

Identical with Cor. No. 1-1-1, Whale, Copper Wonder No. 1 and Copper Wonder No. 2 lodes, all of this survey.

A granite stone, 4 X 12 X 24 ins., set 12 ins. in the ground, with mound of stone, chiseled 1-1-1-1-3290 A-L. W.-C. W. No. 1-C. W. No. 2 on the respective faces, cross (X) at corner point, Whence

A cross (X) and B. R. 1-1-1-1-3290 A. chiseled on a granite rock 1 ft. above the ground, bears N. 34° 14' W. 84.87 ft. Cor. to Sec's 19, 20, 29, 30, T. 17 N., R. 14 W., unapproved survey, bears N. 22° 39' E. 1013.6 ft. U. S. M. M. No. 3290 A., Cedar Mining District, bears N. 49° 49' W. 274.5 ft.

Thence N. 48° 18' E.

Va. 15° 08' E.

Feet. Along line 1-4 Copper Wonder No. 2 lode, of this survey.

523.37 Intersect line between Sec's 29 and 30, T. 17 N., R. 14 W., unapproved survey, at S. 0° 02' E. 587.52 ft. from Cor. to Sec's 19, 20, 29, 30, T. 17 N., R. 14 W., unapproved survey, and N. 0° 02' W. 2053.98 ft. from 1/4 Cor. between Sec's 29 and 30, T. 17 N., R. 14 W., unapproved survey.

1407.13 Intersect line between Sec's 20 and 29, T. 17 N., R. 14 W., unapproved survey, at N. 89° 58' E. 660.19 ft. from Cor. to Sec's 19, 20, 29, 30, T. 17 N., R. 14 W., unapproved survey, and S. 89° 58' W. 1980.81 ft. from 1/4 Cor. between Sec's 20 and 29, T. 17 N., R. 14 W., unapproved survey.

1492 To Cor. No. 2.

Identical with Cor. No. 1-4-4, Whale, No. 3, Copper Wonder No. 2 and Summit lodes; all of this survey.

A granite stone, 11 X 11 X 30 ins., set 12 ins. in the ground, with mound of stone, chiseled 1-2-4-4-3290 A-L.

## SURVEY No. 3290 A. - Continued.

## LEVIATHAN LODE - Continued.

W. No. 3 C.W. No. 2.-S., cross (X) at corner point, whence  
 A cross (X) and E. R. 1-2-4-4-3290 A. chiseled on a granite rock, 3 ft. above the ground, bears S.  $15^{\circ} 35'$  W. 5 ft. and a cross (X) and E. R. 1-2-4-4-3290 A. chiseled on a granite rock 3 ft. above the ground, bears N.  $50^{\circ} 19'$  W. 6.95 ft.

---

Thence S.  $47^{\circ} 14'$  E.

Va.  $15^{\circ} 09'$  E.

Along line 1-4 Whale No. 3 lode, of this survey.

83.04 Intersect line between Sec's 20 and 29, T. 17 N., R. 14 W., unapproved survey, at N.  $89^{\circ} 58'$  E. 734.51 ft. from Cor. to Sec's 19, 20, 29, 30, T. 17 N., R. 14 W., unapproved survey, and S.  $89^{\circ} 58'$  W., 1856.49 ft. from 1/4 Cor. between Sec's 20 and 29, T. 17 N., R. 14 W., unapproved survey.

184.8 To N. end center.

Identical with S. end center Whale No. 3 lode, of this survey.

A granite stone, 4 X 8 X 22 ins., set 12 ins. in the ground, with mound of stone, chiseled N. E. C. L. and S. E. C. W. No. 3 on the respective faces, cross (X) at line point.

484.8 To Cor. No. 3.

Identical with Cor. No. 4 Whale No. 3 lode, of this survey.

A granite stone, 3 X 6 X 24 ins., set 12 ins. in the ground, with mound of stone, chiseled 3-4-3290 A., L. W. No. 3, cross (X) at corner point. No bearing objects available.

---

Thence S.  $48^{\circ} 18'$  W.

Va.  $15^{\circ} 04'$  E.

681 Intersect the north end line of Whale No. 2 lode, unsurveyed, at S.  $48^{\circ} 11'$  E. 230 ft. from N. W. Cor. and N.  $48^{\circ}$

JUN 22 1916  
SEP 15 1916

SURVEY No. 3290 A. - Continued.

LEVIATHAN LODE - Continued.

Feet. 11' W. 70 ft. from the N. end center.

1389 Gulch, drains S. 50° E.

1444.8 Intersect line between Sec's 29 and 30, T. 17 N., R. 14 W., unapproved survey, at S. 0° 02' E. 1233.42 ft. from Cor. to Sec's 19, 20, 29, 30, T. 17 N., R. 14 W., unapproved survey, and N. 0° 02' W. 1408.08 ft. from 1/4 Cor. between sec's 29 and 30, T. 17 N., R. 14 W., unapproved survey.

1460 Road, course S. 50° E. and N. 50° W.

1492 To Cor. No. 4.

Identical with Cor. No. 2 Whale lode, of this survey.

A granite stone, 8 X 8 X 26 ins., set 12 ins. in the ground, with mound of stone, chiseled 2-4-3290 A.-L.-W. on the respective faces, cross (X) at corner point. No bearing objects available.

Thence N. 47° 14' W.

Va. 15° 06' E.

Along line 2-1 Whale lode, of this survey.

129.8 Road, course E. and W.

138.43 Intersect the west side line of Whale No. 2 lode, unsurveyed, at S. 41° 49' W. 803.52 ft. from N. W. Cor., and N. 41° 49' E. 696.48 ft. from S. W. Cor.

205.8 Gulch, drains N. 80° E.

300 To S. end center.

Identical with the N. end center Whale lode, of this survey.

A granite stone, 6 X 10 X 36 ins., set 12 ins. in the ground, with mound of stone, chiseled S. E. C. L. and N. E. C. W. on the respective faces, cross (X) at line point.

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

SUMMIT LODE.

Beginning at Cor. No. 1.

Identical with Cor. No. 3, Copper Wonder No. 2 lode, of this

## SURVEY No. 3290 A &amp; B. Continued.

## SUMMIT LODE - Continued.

survey.

A cross (X) and, 1-3-3290 A.-C. W. No. 2 and S. chiseled on a granite rock showing 20 X 30 ins., X 2 ft. above the ground. with mound of stone, Whence

Cor. to Sec's. 19, 20, 29, 30, T. 17 N., R. 14 W., unapproved survey, bears S. 36° 28' W. 536.37 ft. U. S. M. M. No. 3290 A., Cedar Mining District, bears S. 37° 41' W. 1503.3 ft.

---

Thence N. 42° 57' E.

Va. 15° 08' E.

1500 To Cor. No. 2.

A granite stone, 4 X 6 X 28 ins., set 12 ins. in the ground, with mound of stone, chiseled 2-3290 A. S., cross (X) at corner point. No bearing objects available.

---

Thence S. 47° 14' E.

Va. 15° 12' E.

290 Gulch, drains south.

300 To N. end center.

A granite stone, 12 X 12 X 60 ins., set 16 ins. in the ground, with mound of stone, chiseled N. E. C. S., cross at line point.

551.2 To Cor. No. 3.

Identical with Cor. No. 2, Whale No. 3 lode, of this survey.

A granite stone, 4 X 10 X 26 ins., set 12 ins. in the ground, with mound of stone, chiseled 2-3-3290 A.-W. No. 3 S., cross (X) at corner point. No bearing objects available.

---

Thence S. 42° 57' W.

Va. 15° 09' E.

Along line 2-1 Whale No. 3 lode, of this survey.

715 Gulch, drains south.

1500 To Cor. No. 4.

Identical with Cor. No. 1, 2, 4, Whale No. 3, Leviathan and

SURVEY No.3290 A & B. - Continued.

SUMMIT LODE - Continued.

Copper Wonder No.2 lodes, all of this survey, and heretofore described.

---

Thence N. 47° 14' W.

Va. 15° 09' E.

Along line 4-3 Copper Wonder No.2 lode, of this survey.

251.2 To S. end center.

Identical with N. end center Copper Wonder No.2 lode, of this survey.

A granite stone, 6 X 14 X 30 ins., set 12 ins. in the ground, with mound of stone, chiseled S. E. C. S. and N. E. C. C. W. No.2 on the respective faces., cross (X) at line point.

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

---

WHALE LODE.

Beginning at Cor. No.1.

Identical with Cor. No.1-1-1, Leviathan, Copper Wonder No.1 and Copper Wonder No.2 lodes, all of this survey and heretofore described. Whence

Cor. to Sec's 19, 20, 29, 30, T. 17 N., R. 14 W., unapproved survey, bears N. 22° 39' E. 1013.6 ft. U. S. M. M. No.3290 A., Cedar Mining District, bears N. 49° 49' W. 274.5 ft.

---

Thence S. 47° 14' E.

Va. 15° 08' E.

Along line 1-4 Leviathan lode, of this survey.

184.8 To N. end center.

Identical with the S. end center Leviathan lode, of this survey and heretofore described.

279 Gulch, drains N. 80° E.

346.37 Intersect west end line Whale No.2 lode, unsurveyed, at

## SURVEY No. 3290 A &amp; B - Continued.

## WHALE LODGE - Continued.

Feet. at S.  $41^{\circ} 49'$  W. <sup>8</sup> 803.52 ft. from N. W. Cor. and N.  $41^{\circ} 49'$  E. 696.48 ft. from S. W. Cor.

355 Road, course E and W.

484.8 To Cor. No. 2.

Identical with Cor. No. 4 Leviathan lode, of this survey, and heretofore described.

---

Thence S.  $39^{\circ} 26'$  W.

Va.  $15^{\circ} 06'$  E.

694.8 Intersect the south end line of Whale No. 2 lode, unsurveyed, at S.  $48^{\circ} 11'$  E. 167.3 ft. from S. W. Cor. and N.  $48^{\circ} 11'$  W. 132.7 ft. from S. end center.

1500 To Cor. No. 3.

A granite stone, 3 X 12 X 24 ins., set 12 ins. in the ground, with mound of stone, chiseled 3-3290 A. W., cross (X) at corner point. No bearing objects available.

---

Thence N.  $47^{\circ} 14'$  W.

Va.  $15^{\circ} 10'$  E.

300 To S. end center.

A granite stone 8 X 12 X 22 ins., set 12 ins. in the ground, with mound of stone, chiseled S. E. C. W., cross at line point.

484.8 To Cor. No. 4.

Identical with Cor. No. 2 Copper Wonder No. 1 lode, of this survey.

A granite stone 7 X 7 X 36 ins., set 13 ins. in the ground, with mound of stone, chiseled 2-4-3290 A. C. W. No. 1-W., cross (X) at corner point. No bearing objects available.

---

Thence N.  $39^{\circ} 26'$  E.

Va.  $15^{\circ} 16'$  E.

Along line 2-1 Copper Wonder No. 1 lode, of this survey.

1380 Gulch, drains S.  $60^{\circ}$  E.

1395 Road, course S.  $50^{\circ}$  E and N.  $50^{\circ}$  W.

SURVEY No. 3290 A & B - Continued.

Feet. WHALE LODGE - Continued.

1500 To Cor. No. 1, the place of beginning.

WHALE No. 3 LODGE.

Beginning at Cor. No. 1.

Identical with Cor. No. 2-4-4, Leviathan, Summit and Copper Wonder No. 2 lodes, all of this survey, and heretofore described, Whence

Cor. to Sec's 19, 20, 29, 30, T. 17 N., R. 14 W., unapproved survey, bears S. 85° 27' W. 725.66 ft U. S. M. M. No. 3290 A., Cedar Mining District, bears S. 58° 22' W. 1554.7 ft.

Thence N. 42° 57' E.

Va. 15° 09' E.

Along line 4-3 Summit lode, of this survey.

785 Gulch, drains south.

1500 To Cor. No. 2.

Identical with Cor. No. 3. Summit lode, of this survey, and heretofore described.

Thence S. 47° 14' E.

Va. 15° 09' E.

184.8 To N. end center.

A granite stone, 6 X 12 X 26 ins., set 12 ins. in the ground, with mound of stone, chiseled N. E. C. W. No. 3, cross (X) at center point.

484.8 To Cor. No. 3.

A granite stone, 7 X 10 X 26 ins., set 12 ins. in the ground, with mound of stone, chiseled 3-3290 A. W. No. 3, cross (X) at corner point. No bearing objects available.

Thence S. 42° 57' W.

Va. 15° 11' E.

1126.86 Intersect line between Sec's 20 and 29, T. 17 N., R. 14



SURVEY No. 3290 A & B - Continued.

Feet. WHALE No. 3 LODE - Continued.

W., unapproved survey, at N. 89° 58' E. 1333.69 ft. from Cor. to Sec's 19, 20, 29, 30, T. 17 N., R. 14 W., unapproved survey, and S. 89° 58' W. 1307.31 ft. from 1/4 Cor. between Sec's 20 and 29, T. 17 N., R. 14 W., unapproved survey.

1330 Gulch, drains S. 10° E.

1500 To Cor, No. 4.

Identical with Cor. No. 3 Leviathan Lode, of this survey, and heretofore described.

---

Thence N. 47° 14' W.

Va. 15° 04' E.

Along line 3-2 Leviathan lode, of this survey.

300 To S. end center.

Identical with N. end center Leviathan lode, of this survey, and heretofore described.

401.76 Intersect line between Sec's 20 and 29, T. 17 N., R. 14 W., unapproved survey, at N. 89° 58' E. 784.51 ft. from Cor. to Sec's 19, 20, 29, 30, T. 17 N., R. 14 W., unapproved survey, and S. 89° 58' W. 1856.49 ft. from 1/4 Cor. between Sec's 20 and 29, T. 17 N., R. 14 W., unapproved survey.

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

---

COPPER WONDER No. 1 LODE.

Beginning at Cor. No. 1.

Identical with Cor. No. 1-1-1 Leviathan, Whale and Copper Wonder No. 2 lodes, all of this survey, and heretofore described, Whence

Cor. to Sec's 19, 20, 29, 30, T. 17 N., R. 14 W., unapproved survey, bears N. 82° 39' E. 1013.6 ft. U. S. M. M. No. 3290 A, Cedar Mining District, bears N. 49° 49' W. 274.5 ft.

SURVEY No. 3290 A & B. - Continued.

Feet.

COPPER WONDER No. 1 LODE - Continued.

Thence S. 39° 26' W.

Va. 15° 08' E.

Along line 1-4 Whale lode, of this survey.

105 Road, course S. 50° E. and N. 50° W.

120 Gulch, drains S. 60° E.

1500 To Cor. No. 2.

Identical with Cor. No. 4 Whale lode, of this survey, and heretofore described.

Thence N. 47° 14' W.

Va. 15° 16' E.

251.2 To S. end center.

A granite stone, 8 X 12 X 24 ins., set 12 ins. in the ground, with mound of stone, chiseled S. E. C. C. W. No. 1, cross (X) at line point.

551.2 To Cor. No. 3.

A granite stone, 3 X 10 X 24 ins., set 12 ins. in the ground, with mound of stone, chiseled 3-3290 A. C. W. No. 1, cross (X) at corner point. No bearing objects available.

Thence N. 39° 26' E.

Va. 15° 09' E.

1336.64 Intersect line 1-2 Water Claim lode, of this survey, at N. 83° 13' W. 305.93 ft. from Cor. No. 1, and S. 83° 13' E. 294.07 ft. from Cor. No. 2.

1500 To Cor. No. 4.

Identical with Cor. No. 2, Copper Wonder No. 2 lode, of this Survey.

A granite stone, 5 X 10 X 28 ins., set 12 ins. in the ground, with mound of stone, chiseled 2-4-3290 A. C. W. No. 1 and C. W. No. 2 on the respective faces, cross (X) at corner point. No bearing objects available.

## SURVEY No. 3290 A &amp; B - Continued.

Feet.

## COPPER WONDER No. 1 LODE - Continued.

---

Thence S. 47° 14' E.

Va. 15° 08' E.

Along line 2-1 Copper Wonder No. 2 lode, of this survey,  
234.11 Intersect line 1-2 Water Claim lode, of this survey, at  
N. 83° 13' W. 28.35 ft. from Cor. No. 1, and S. 83° 13' E.  
571.65 ft. from Cor. No. 2.

300 To N. end center.

Identical with S. end center Copper Wonder No. 2 lode, of  
this survey.

A granite stone, 6 X 16 X 24 ins., set 12 ins. in the  
ground, with mound of stone, chiseled N E. C. C. W. No. 1  
and S. E. C. C. W. No. 2 on the respective faces., cross  
(X) at line point.

418.2 Gulch, drains S. 9° E.

455.2 Road, course S. 9° E. and N. 9° W.

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

---

COPPER WONDER No. 2 LODE.

Beginning at Cor. No. 1.

Identical with Cor. No. 1-1-1 Leviathan, Whale, Copper  
Wonder No. 1 lodes, all of this survey, and heretofore  
described, Whence

Cor. to Sec's 19, 20, 29, 30, T. 17 N., R. 14 W., unapp-  
roved survey, bears N. 22° 39' E, 1013.6 ft. U. S. M.  
M. No. 3290 A., Cedar Mining District, bears N. 49° 49' W.  
274.5 ft.

---

Thence N. 47° 14' W.

Va. 15° 08' E.

Along line 1-4 Copper Wonder No. 1 lode, of this survey.

96 Road, course S 9° E. and N. 9° W.

133 cGulch, drains S. 9° E

251.2 To S. end center.

Identical with N. end center of Copper Wonder No. 1 lode,

SURVEY No.3290 A & B - Continued.

Feet. COPPER WONDER No.2 LODE & Continued.

and heretofore described.

317.09 Intersect line 1-2 Water Claim lode, of this survey, at  
 N. 83° 13' W. 28.35 ft. from Cor. No.1 and S. 83° 13' E.  
 571.65 ft. from Cor. No.2.

551.2 To Cor. No.2.

Identical with Cor. No.4 Copper Wonder No.1 lode, of this  
 survey and heretofore described.

---

Thence N. 48° 18' E.

Va. 15° 08' E.

205 Gulch, drains S. 20° E.

220. Road, course S. 20° E. and N. 20° W.

328.58 Intersect line 1-4 Water Claim lode, of this survey, at  
 N. 6° 47' E. 383.59 ft. from Cor. No.1 and S. 6° 47' W.  
 1116.41 ft. from Cor. No.4.

843.59 Intersect line between Sec's 19 and 30, T. 17 N., R. 14  
 W., unapproved survey, at S. 89° 57' W. 165.22 ft. from  
 Cor. to Sec's 19, 20, 29, 30, T. 17 N., R. 14 W., unappr-  
 oved survey, and N. 89° 57' E. 2473.78 ft. from 1/4 Cor.  
 between Sec's 19 and 30, T. 17 N., R. 14 W., unapproved  
 survey.

1064.7 Intersect line between Sec's 19 and 20, T. 17 N., R. 14  
 W., unapproved survey, at N. 0° 03' W. 146.95 ft. from  
 Cor. to Sec's 19, 20, 29, 30, T. 17 N., R. 14 W., unappr-  
 oved survey, and S. 0° 03' E. 2492.55 ft. from 1/4 Cor.  
 between Sec's 19 and 20, T. 17 N., R. 14 W., unapproved  
 survey.

1492 To Cor. No.3.

Identical with Cor. No.1, Summit lode, of this survey,  
 and heretofore described.

---

Thence S. 47° 14' E.

Va. 15° 08' E.

## SURVEY No. 3290 A &amp; B - Continued.

Feet. COPPER WONDER No. 2 LODE - Continued.

Along line 1-4 Summit lode, of this survey.

300 To N. end center.

Identical with S. end center Summit lode, of this survey, and heretofore described.

551.2 To Cor. No. 4.

Identical with Cor. No. 1-2-4, Whale, No. 3, Leviathan and Summit lodes, all of this survey and heretofore described.

---

 Thence S. 48° 18' W.

Va. 159° 09' E.

Along line 2-1 Leviathan lode, of this survey.

84.87 Intersect line between Sec's 20 and 29, T. 17 N., R. 14

W., unapproved survey, at N. 89° 58' E. 660.19 ft. from

Cor. to Sec's 19, 20, 29, 30, T. 17 N., R. 14 W., unapproved survey, and S. 89° 58' W. 1980.81 ft. from 1/4 Cor.

between Sec's 20 and 29, T. 17 N., R. 14 W.

968.63 Intersect line between Sec's 29 and 30, T. 17 N., R. 14

W., unapproved survey, at S. 0° 02' E. 587.52 ft. from

Cor. to Sec's 19, 20, 29, 30, T. 17 N., R. 14 W., unapproved survey, and N. 0° 02' W. 2053.98 ft. from 1/4 Cor.

between Sec's 29 and 30, T. 17 N., R. 14 W., unapproved survey.

1492 TO Cor. No. 1, the place of beginning.

---

 WATER CLAIM LODE.

Beginning at Cor. No. 1.

A granite stone, 5 X 10 X 28 ins., set 13 ins. in the ground, with mound of stone, chiseled L-3290 A. W. C., cross (X) at corner point, whence

Cor. to Sec's 19, 20, 29, 30, T. 17 N., R. 14 W., unapproved survey, bears N. 39° 27' E. 936.62 ft. U. S. M. M.

No. 3290 A., Cedar Mining District, bears S. 8° 05' W.

35.31 ft.

JUN 22 1916  
SEP 15 1916  
14

SURVEY No. 3290 A & B - Continued.

Feet.

WATER CLAIM LODE - Continued.

---

Thence N. 83° 13' W.

Va. 15° 08' E.

28.35 Intersect line 1-2 Copper Wonder No. 2 lode, of this survey, at N. 47° 14' W. 317.09 ft. from Cor. No. 1, and S. 47° 14' E. 234.11 ft. from Cor. No. 2.

300 To S. end center.

A granite stone, 6 X 8 X 23 ins., set 12 ins. in the ground, with mound of stone, chiseled S. E. C. WC., cross (X) at line point.

305.93 Intersect line 3-4 Copper Wonder No. 1 lode, of this survey, at N. 39° 26' E. 1336.64 ft. from Cor. No. 3, and S. 39° 26' W. 163.36 ft. from Cor. No. 4.

600 To Cor. No. 2.

A granite stone, 5 X 8 X 24 ins., set 12 ins. in the ground, with mound of stone, chiseled 2-3290 A. W. C., cross (X) at Cor. point. No bearing objects available.

---

Thence N. 6° 47' E.

Va. 15° 08' E.

656.34 Intersect line between Sec's 19 and 30, T. 17 N., R. 14 W., unapproved survey, at S. 89° 57' W. 1113.39 ft. from Cor. to Sec's 19, 20, 29, 30, T. 17 N., R. 14 W., unapproved survey, and N. 89° 57' E. 1525.61 ft. from 1/4 Cor. between Sec's 19 and 30, T. 17 N., R. 14 W., unapproved survey.

1500 To Cor. No. 3.

A granite stone, 3 X 12 X 26 ins., set 12 ins. in the ground, with mound of stone, chiseled 3-3290 A. W. C., cross (X) at Cor. point. No bearing objects available.

---

Thence S. 83° 13' E.

Va. 15° 12' E.

135 Gulch, drains south.

## SURVEY No. 3290 A &amp; B - Continued.

## Feet. WATER CLAIM LODGE - Continued.

147 Road, course S and N.

300 To N. end center.

A granite stone, 3 X 12 X 22 ins., set 12 ins. in the ground, with mound of stone, chiseled N. E. C. W. C., cross (X) at line point.

600 To Cor. No. 4.

A granite stone, 4 X 12 X 28 ins., set 12 ins. in the ground, with mound of stone, chiseled 4-3290 A. W. C., cross (X) at Cor. point. No bearing objects available.

---

Thence S. 6° 47' W.

Va. 15° 15' E.

771.78 Intersect line between Sec's 19 and 30, T. 17 N., R. 14 W., unapproved survey, at S. 89° 57' W. 509.03 ft. from Cor. to Sec's 19, 20, 29, 30, T. 17 N., R. 14 W., unapproved survey, and N. 89° 57' E. 2129.97 ft. from 1/4 Cor. between Sec's 19 and 30, T. 17 N., R. 14 W., unapproved survey.

1116.41 Intersect line 2-3 Copper Wonder No. 2 lode, of this survey, at N. 48° 18' E. 328.58 ft. from Cor. No. 2, and S. 48° 18' W. 1163.42 ft. from Cor. No. 3.

1310 Road, course S. 25° E. and N. 25° W.

1350 Gulch, drains S. 25° E.

1500 To Cor. No. 1, the place of beginning.

---

LODE LINES.

As near as can be determined from present developments the veins of the several locations embraced in this claim extend as follows from their discovery points:

LEVIATHAN lode, 40 ft. S. 48° 18' W., and 1452 ft.

N. 48° 18' E.

SUMMIT lode, 328 ft. S. 42° 57' W., and 1112 ft. N. 48° 57' E.

WHALE lode, 20 ft. N. 39° 26' E., and 1480 ft. S. 39°

SURVEY No. 3290 A & B. - Continued.

26' W.

WHALE No. 3 lode, 388 ft. S. 42° 57' W., and 1112 ft. N. 42° 57' E.

COPPER WONDER No. 1 lode, 75 ft. N. 39° 26' E., and 1425 ft. S. 39° 26' W.

COPPER WONDER No. 2 lode, 23 ft. S. 48° 18' W., and 1469 ft. N. 48° 18' E.

WATER CLAIM lode, 750 ft. S. 6° 47' W., and 750 ft. N. 6° 47' E.

---

SUMMIT MILL SITE.

SURVEY No. 3290 B.

Beginning at Cor. No. 1.

A granite stone, 5 X 9 X 24 ins., set 12 ins. in the ground, with mound of stone, chiseled 1-3290 B. S. M. S. cross (X) at corner point, whence

A cross (X) and B. R. 1-3290 B. chiseled on a granite rock 3 ft. above the ground, bears S. 52° 10' W. 7.6 ft. 1/4 Cor. between Sec's 25 and 36, T. 17 N., R. 15 W., unapproved survey, bears N. 12° 40' E. 1531.8 ft.

U. S. M. M. No. 3290 A., Cedar Mining District, bears N. 51° 41' E. 9710.9 ft. Cor. No. 1, Summit lode, of this survey, bears N. 49° 49' E. 11175.1 ft.

---

Thence S. 14° 35' E.

Feet.

Va. 15° 10' E.

115 Deluge wash, drains N. 75° E.

320.6 To Cor. No. 2.

A granite stone, 6 X 8 X 24 ins., set 12 ins. in the ground, with mound of stone, chiseled 2-3290 B. S. M. S. cross (X) at corner point. No bearing objects available.

---

Thence S. 76° 47' W.

Va. 15° 10' E.

460 Deluge wash, drains N. 10° W.

649.6 To Cor. No. 3.



## SURVEY No. 3290 A &amp; B - Continued.

Feet.

## SUMMIT MILL SITE - Continued.

A granite stone, 10 X 12 X 26 ins., set 12 ins. in the ground, with mound of stone, chiseled 3-3290 B. S. M. S. cross (X) at corner point. No bearing objects available.

---

Thence N. 14° 35' W.

Va. 15° 11' E.

350.1 To Cor. No. 4.

A granite stone, 5 X 9 X 24 ins., set 12 ins. in the ground, with mound of stone, chiseled 4-3290 B. S. M. S., cross (X) at Cor. point. No bearing objects available.

---

Thence N. 79° 23' E.

Va. 15° 14' E.

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

---

 LEVIATHAN MILL SITE.

Beginning at Cor. No. 1.

A granite stone, 7 X 12 X 24 ins., set 12 ins. in the ground, with mound of stone, chiseled 1-3290 B. L. M. S., cross (X) at Cor. point, whence

1/4 Cor. between Sec's 30 and 31, T. 17 N., R. 14 W., unapproved survey, bears N. 83° 22' E. 953.9 ft.

U. S. M. M. No. 3290 A., Cedar Mining District, bears N. 32° 51' E. 5515 ft. Cor. No. 1, Leviathan lode, of this survey, bears N. 35° 42' E. 5486.7 ft.

---

Thence S. 9° 41' E.

Va. 15° 12' E.

230 Deluge wash, drains east.

322.4 To Cor. No. 2.

A granite stone, 8 X 16 X 24 ins., set 12 ins. in the ground, with mound of stone, chiseled 2-3290 B. L. M. S., cross (X) at Cor. point. No bearing objects available.

SURVEY No. 3290 A & B - Continued.

Feet.

LEVIATHAN MILL SITE - Continued.

Thence S. 80° 19' W.

Va. 15° 09' E.

675.5 To Cor. No.3.

A granite stone, 4 X 8 X 24 ins., set 12 ins. in the ground, with mound of stone, chiseled 3-3290 B. L. M. S., cross (X) at Cor. point. No bearing objects available.

Thence N. 9° 41' W.

Va. 15° 10' E.

322.4 To Cor. No.4.

A granite stone, 6 X 16 X 25 ins., set 12 ins. in the ground, with mound of stone, chiseled 4-3290 B. L. M. S., cross (X) at Cor. point. No bearing objects available.

Thence N. 80° 19' E.

Va. 15° 11' E.

90 Deluge wash, drains South.

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

AREAS.

Total area, Leviathan lode.....16.527 Acres.

Area in conflict with-

Whale No.2 lode, unsurveyed.....3.404

Total ~~and not~~ area Summit lode.....18.981 "

Total area, Whale lode.....16.666 "

Area in conflict with-

Whale No.2 lode, unsurveyed.....2.439

Total ~~and not~~ area, Whale No.3 lode.....16.694 "

Total area, Copper Wonder No.1 lode.....18.949 "

Area in conflict with-

Water Claim lode..... 0.438

SURVEY No.3290 A & B - Continued.

Total area, Copper Wonder No.2 lode..... 18.790 Acres.

Area in conflict with-

Water Claim lode, of this survey.. 1.002

Total area, Water Claim lode.....20.661 "

Total area, Summit Mill Site..... 5.000 "

Total area, Leviathan Mill Site..... 5.00 "

This survey is identical with the respective locations,

LOCATION.

This survey is located in Sec's 19, 20, 29, 30, 31, T. 17 N., R. 14 W., and Sec. 36, T. 17 N., R. 15 W., unapproved survey. Cedar Mining District, Mohave 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 said mining claim by the claimants or its grantors is not less than five hundred dollars, and that said improvements consist of:

LEVIATHAN LODE, <sup>No. 1,</sup> The discovery tunnel, the mouth of which being the place of discovery, is on the lode line, 40 ft. from a point S. 47° 14' E. 184.8 ft. from Cor. No.1, 4 X 6 ft. running N. 48° 18' E. 40 ft.

Value, \$400

Note- A 1/7 interest in shaft No.1, Whale lode, of this survey, and 400 ft. of drifts at the bottom of said shaft to be credited to this location.

Value, \$800

SUMMIT LODE. <sup>No. 1,</sup> The discovery cut, on the lode line, 388 ft. from a point S. 47° 14' E. 300 ft. from Cor. No.1, 4 ft. wide, 9 ft. face, running N. 46° W. 16 ft. to face.

Value, \$40

Note- A 1/7 interest in shaft No.1, Whale lode, of this survey, and 400 ft. of drifts at the bottom of said

## SURVEY No. 3290. A. &amp; B - Continued.

shaft to be credited to this location. Value, \$800

WHALE LODE. No. 1, the discovery shaft, on the lode line, 20 ft. from a point S.  $47^{\circ} 14'$  E. 184.8 ft. from Cor. No. 1, 4 X 9 ft. 100 ft. deep, timbered, at the bottom of this shaft are two drifts, one running S.  $39^{\circ} 30'$  W. 300 ft. and the other running N.  $48^{\circ} 18'$  E. 100 ft. each 4 X 6 ft. Value of shaft and drifts, \$5,600

No. 2, A tunnel, the mouth of which is on the lode line 130 ft. from a point on line 1-2, S.  $47^{\circ} 14'$  E. 184.8 ft. from Cor. No. 1, 4 X 7 ft. running S.  $39^{\circ} 30'$  W. 300 ft. Value, \$3,000

Note- A  $1/7$  interest in shaft No. 1 and 400 ft. of drifts at the bottom of said shaft to be credited to this location. Value, \$800

No. 1,  
WHALE No. 3 LODE, The discovery cut, on the lode line 388 ft. from a point on line 1-4, at S.  $47^{\circ} 14'$  E. 184.8 ft. from Cor. No. 1, 4 ft. wide, 9 ft. face, running N.  $42^{\circ}$  E. 16 ft. to mouth. Value, \$40

Note - A  $1/7$  th. interest in shaft No. 1 and 400 ft. of drifts at the bottom of said shaft to be credited to this location. Value, \$800

No. 1  
COPPER WONDER No. 1 LODE. The discovery tunnel, on the lode line 75 ft. from a point on line 1-4, at N.  $47^{\circ} 14'$  W. 251.2 ft. from Cor. No. 1, 4 X 6 ft. running N.  $40^{\circ}$  E. 18 ft. Value, \$150

Note- A  $1/7$  th. interest in shaft No. 1, Whale lode, and 400 ft. of drifts at the bottom of this shaft to be credited to this location. Value, \$800

COPPER WONDER No. 2 LODE. No. 1, the discovery cut, on the lode line 23 ft. from a point on line 1-2, N.  $47^{\circ} 14'$  W. 251.2 ft. from Cor. No. 1, 4 ft. wide, 9 ft. face, running East 16 ft. to mouth. Value, \$40

No. 2. A tunnel, the mouth of which bears from Cor. No. 1, N.  $27^{\circ} 50'$  W. 277 ft., 4 X 6 ft. running N.  $48^{\circ}$  E. 30 ft. Value, \$240

## SURVEY No. 3290. A &amp; B. - Continued.

Note- A  $\frac{1}{7}$  th. interest in shaft No. 1, Whale lode, of this survey, and 400 ft. of drifts at the bottom of said shaft to be credited to this location.

Value, \$800

WATER CLAIM LODE. <sup>No. 1,</sup> The discovery cut, on the center line, 750 ft. from the center of line 1-2, 4 ft. wide, 9 ft. face, running East 16 ft. to mouth. Value, \$35

Note- A  $\frac{1}{7}$  th. interest in shaft No. 1, Whale lode, of this survey, and 400 ft. of drifts at the bottom of said shaft to be credited to this location. Value, \$800

---

 OTHER IMPROVEMENTS.

A bunk house, the N. W. corner of which bears from N. end center Copper Wonder No. 1 lode, S.  $8^{\circ} 47'$  W. 18.8 ft. 18 X 40 ft., course of long side S.  $34^{\circ} 20'$  W.

---

 INSTRUMENT.

This survey was made with an Ainsworth & Sons Transit. The courses were deflected from the true meridian as determined by direct solar observations and observation on Polaris. The distances were measured with a 100-ft. and 500-ft. steel tapes.

---

 ADJOINING CLAIMS.

The adjoining claim on the S. E. side line of the Whale and Leviathan lodes is the Whale No. 2 lode, unsurveyed, Anson H. Smith and M. A. Sawyer, claimants.

---

 REPORT.

The lode lines of each location of this claim was run directly upon the ground, and the several corners established by means of offsets from the lode lines. All tie lines were run directly upon the ground. The Cor. to Sec's 19, 20, 29, 30, T. 17 N., R. 14 W., unapproved survey, is a two inch iron pipe with copper cap, properly stamped

SURVEY No. 3290 A & B - Continued.

with the T., R. and Sec. numbers. All 1/4 corners as described in these notes are 1 1/2 inch pipe with copper caps, properly stamped with Sec. Nos.

---

Owing to the position of shaft No. 1, Whale lode, and the 400 ft. of levels at the bottom of said shaft and owing to its depth below the surface of all the locations embraced in this claim, draining the water from the ground and for the purpose of extracting the ores thereof, same is termed a common improvement, and its value is equally proportioned with the several locations.

Owing to the great distance to where we could get the services of a Notary Public, I myself took the affidavits of my assistants.

SEP 15 1916<sup>23</sup>  
OCT 30 1916

DESCRIPTION OF U. S. M. M. No. 3290 A,  
Cedar Mining District, Mohave County, Arizona.

This monument is a granite stone, 12 X 20 X 30 ins., set 14 ins. in the ground, with mound of earth and stone, chiseled U. S. M. M. No. 3290 A., cross at initial point, monument of stone on north side, 6 ft. base, 5 ft. high, whence  
Cor. to Sec's 19, 20, 29, 30, T. 17 N., R. 14 W., unapproved survey, bears N. 38° 21' E. 967 ft. No other bearing objects available.  
The monument is established on the summit of a mountain overlooking the surrounding country.

*Peter M. Gardell*

U. S. Mineral Surveyor.

JUN 22 1916  
SEP 15 1916  
OCT 30 1916

# FINAL OATHS FOR SURVEYS.

## LIST OF NAMES.

A list of the names of the individuals employed by Peter Mc Cardell

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 LEVIATHAN MINES COMPANY

known as the LEVIATHAN, SUMMIT, WHALE, WHALE No.3, COPPER WONDER No.1, COPPER WONDER NO.2, WATER CLAIM lodes, and LEVIATHAN and SUMMIT MILL SITES. and showing the respective capacities in which they acted.

- ....., Chainman.
- JAMES G. MOON....., Chainman.
- H. H. Tweed....., Azman.
- ....., Flagman.

## FINAL OATHS OF ASSISTANTS.

We, James G. Moon and H. H. Tweed

and....., do solemnly swear that we assisted Peter Mc Cardell....., United States ~~Deputy~~ Mineral Surveyor, in marking the corners and surveying the boundaries of the mining claim of LEVIATHAN MINES COMPANY

LEVIATHAN, SUMMIT, WHALE, WHALE NO.3, COPPER WONDER NO.1, known as the COPPER WONDER NO.2, WATER CLAIM lodes, and LEVIATHAN and SUMMIT MILL SITES.

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.

- ....., Chainman.
- James G Moon....., Chainman.
- H H Tweed....., Azman.
- ....., Flagman.

Subscribed and sworn to by the above-named persons before me this 13 th.

day of June, 19 16.

Peter Mc Cardell

U. S. Mineral Surveyor.



(4-686.)

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

I, Peter Mc Cardell, U. S. ~~Deputy~~ Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated May 31 st. 1916, 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 LEVIATHAN MINES COMPANY

known as the Leviathan, Summit, Whale, Whale No.3, Copper Wonder No.1, Copper Copper Wonder No.2, Water Claim lodes, and Leviathan and Summit Mill Sites. situate in Cedar Mining District, Mohave County, Arizona, in Sections 19, 20, 29, 30, 31, T. 17 N., R. 14 W. and Sec. 36, Township No. 17 N., Range No. 15 W., unapproved survey., and designated as Survey No. 3290 A & B, 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.

Peter Mc Cardell  
U. S. ~~Deputy~~ Mineral Surveyor.

Subscribed and sworn to by the said Peter Mc Cardell

U. S. ~~Deputy~~ Mineral Surveyor, before me

this 20th

day of June A. D. 1916

Anderson H. Smith  
U. S. Commissioner

Recorded at the request of R.C. Jacobson at 9 o'clock A.M., May 27th, 1916, in Book P.P. of Mining Claims, page-----, Records of Mohave County, Arizona.

J.W. Morgan, County Recorder.  
By Thos. McNeely, Deputy.

# Amended Location Certificate

KNOW ALL MEN BY THESE PRESENTS, That LEVIATHAN MINES COMPANY,

a corporation

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 Cedar

Mining District, hereby make and file this its amended location of the Leviathan Lode, claiming by right of discovery, location, primal appropriation and possession 1492 feet, linear and horizontal measurement, on this vein or lode of quartz, or other rock in place, bearing copper and gold and other valuable minerals, with all dips, variations and angles the same being 40 feet along the ledge in a S. 48° 14' W. direction from the discovery stake and 1452 feet along the ledge in a N. 48° 14' 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 Cedar Mining District, County of Mohave, State of Arizona, in Sec's 29, 30, T. 17 N., R. 14 W. 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 S. 48° 14' W. 40 ft. to the S. end center monument. Thence N. 47° 18' W. 184.8 ft. to the S. W. corner monument, whence N. E. corner to Sec. 30, T. 17 N., R. 14 W., bears N. 22° 35' E. 1013.6 ft. Thence N. 48° 14' E. 1492 ft. to the N. W. corner monument. Thence S. 47° 18' E. 184.8 ft. to the N. end center monument, 484.8 ft. to the N. E. corner monument. Thence S. 48° 14' W. 1492 ft. to the S. E. corner monument. Thence N. 47° 18' W. 300 ft. to the S. end center monument, the place of beginning exterior boundary of the claim.

Magnetic Va. N. 15° 10' E.

THIS AMENDED LOCATION is made in conformity with the original location, made Sep. 24 th. 1904, recorded Nov. 4 th. 1904, in Book V, Page 138, 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 Sep. 24 th. A. D. 1904

Date of Amended Location May 24 th. A. D. 1916

Attest

LEVIATHAN MINES COMPANY.



Recorded at the request of R.C. Jacobson at 9 o'clock A.M., May 27th, 1916, in Book P.P. of Mining Claims, page----, Records of Mohave County, Arizona.

J.W. Morgan, County Recorder.  
By Thos. McNeely, Deputy.

# Amended Location Certificate

KNOW ALL MEN BY THESE PRESENTS, That LEVIATHAN MINES COMPANY,  
a corporation

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 Cedar Mining District, hereby make and file this its amended location of the Summit 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 copper and gold and other valuable minerals, with all dips, variations and angles the same being 388 feet along the ledge in a S. 42° 53' W. direction from the discovery stake and 1112 feet along the ledge in a N. 42° 53' 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 Cedar Mining District, County of Mohave, State of Arizona, in Sec. 20, T. 17 N., R. 14 W. 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 S. 42° 53' W. 388 ft. to the S. end center monument. Thence N. 47° 18' W. 300 ft. to the S. W. corner monument. Thence N. 42° 53' E. 1500 ft. to the N. W. corner monument. Thence S. 47° 18' E. 300 ft. to the N. end center monument, 551.2 ft. to the N. E. corner monument. Thence S. 42° 53' W. 1500 ft. to the S. E. corner monument, whence the N. E. corner of Sec. 30, T. 17 N., R. 14 W., bears S. 85° 26' E. 726 ft. Thence N. 47° 18' W. 251.2 ft. to the S. end center monument, the place of beginning. exterior boundary of the claim.  
Magnetic Va. N. 15° 10' E.

THIS AMENDED LOCATION is made in conformity with the original location, made June 9 th. 1914, recorded Sep. 2 nd. 1914, in Book JJ, Page 438, 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 June 9 th. A. D. 1914

Date of Amended Location May 24 th. A. D. 1916

Attest

LEVIATHAN MINING COMPANY.



Recorded at the request of R.C. Jacobson at 9 o'clock A.M., May 27th, 1916, in Book P.P. of Mining Claims, page-----, Records of Mohave County, Arizona.

J. W. Morgan, County Recorder.  
By Thos. McNeely, Deputy.

# Amended Location Certificate

KNOW ALL MEN BY THESE PRESENTS, That LEVIATHAN MINES COMPANY,

a corporation

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 Cedar

Mining District, hereby make and file this its amended location of the Whale 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 copper and gold and other valuable minerals, with all dips, variations and angles the same being 22 feet along the ledge in a N. 39° 22' E. direction from the discovery stake and 1478 feet along the ledge in a S. 39° 22' 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 Cedar Mining District, County of Mohave, State of Arizona, in Sec. 30, T. 17 N., R. 14 W. and more particularly described as follows, to-wit:

Beginning at the discover of the claim, where a location monument is established and this notice posted. Thence N. 39° 22' E. 22 ft. to the N. end center monument. Thence S. 47° 22' E. 300 ft. to the N. E. corner monument. Thence S. 39° 22' W. 1500 ft. to the S. E. corner monument. Thence N. 47° 18' W. 300 ft. to the S. end center monument, 484.8 ft. to the S. W. corner monument. Thence N. 39° 22' E. 1500 ft. to the N. W. corner monument, whence N. E. corner to Sec. 30 T. 17 N., R. 14 W., bears N. 22° 35' E. 1013.6 ft. Thence S. 47° 18' E. 184.8 ft. to the N. end center monument, the place of beginning exterior boundary of the claim.

Magnetic Va. N. 15° 10' E.

THIS AMENDED LOCATION is made in conformity with the original location, made September 24 1904, recorded Nov. 4 th. 1904, in Book V, Page 135, 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 Sep. 24 th. A. D. 1904

Date of Amended Location May 24 th. A. D. 1916

Attest

LEVIATHAN MINES COMPANY.

Recorded at the request of R.C. Jacobson at 9 o'clock A.M., May 27th, 1916, in Book P.P. of Mining Claims, page-----, Records of Mohave County, Arizona.

J. W. Morgan, County Recorder.  
By Thos. McNeely, Deputy.

# Amended Location Certificate

KNOW ALL MEN BY THESE PRESENTS, That LEVIATHAN MINES COMPANY,  
a corporation

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 Cedar

..... Mining District, hereby make and file this its amended location of the Whale No. 3 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 copper and gold and other valuable minerals, with all dips, variations and angles the same being 388 feet along the ledge in a S. 42° 53' W. direction from the discovery stake and 1112 feet along the ledge in a N. 42° 53' E. direction therefrom, together with 1112 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 Cedar Mining District, County of Mohave, State of Arizona, in Sec's 20.29. T. 17 N., R. 14 W. 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 S. 42° 53' W. 388 ft. to the S. end center monument. Thence N. 47° 18' W. 184.8 ft. to the S. W. corner monument, whence N. E. corner of Sec. 30, T. 17 N., R. 14 W., bears S. 85° 26' W. 726 ft. Thence N. 42° 53' E. 1500 ft. to the N. W. corner monument. Thence S. 47° 18' E. 184.8 ft. to the N. End center monument, 484.8 ft. to the N. E. corner monument. Thence S. 42° 53' W. 1500 ft. to the S. E. corner monument. Thence N. 47° 18' W. 300 ft. to the S. end center monument, the place of beginning exterior boundary of the claim.  
Magnetic Va. N. 15° 10' E.

THIS AMENDED LOCATION is made in conformity with the original location, made June 9 th. 1914, recorded Sep. 2 nd. 1914, in Book JJ, Page 437, 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 June 9 th. A. D. 1914

Date of Amended Location May 24 th. A. D. 1916

Attest LEVIATHAN MINES COMPANY.



Recorded at the request of R. C. Jacobson at 9 o'clock A.M., May 27th, 1916, in Book P.P. of Mining Claims, page ---, Records of Mohave County, Arizona.

J. W. Morgan, County Recorder.  
By Thos. McNesly, Deputy.

# Amended Location Certificate

MAY 31 1916

KNOW ALL MEN BY THESE PRESENTS, That LEVIATHAN MINES COMPANY,

a corporation

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 Cedar

..... Mining District, hereby make and file this its amended location of the Copper Wonder <sup>No. 1</sup> 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 copper and gold and other valuable minerals, with all dips, variations and angles the same being 1425 feet along the ledge in a S. 39° 22' W. direction from the discovery stake and 75 feet along the ledge in a N. 39° 22' 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 Cedar Mining District, County of Mohave, State of Arizona, in Sec. 30, T. 17 N., R. 14 W. 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. 39° 22' E. 75 ft. to the N. end center monument. Thence S. 47° 18' E. 251.2 ft. to the N. E. corner monument, whence the N. E. corner of Sec. 30, T. 17 N., R. 14 W., bears N. 22° 35' E. 1013.6 ft. Thence S. 39° 22' W. 1500 ft. to the S. E. Corner monument. Thence N. 47° 18' W. 251.2 ft. to the S. end center monument, 551.2 ft. to the S. W. corner monument. Thence N. 39° 22' E. 1500 ft. to the N. W. corner monument. Thence S. 47° 18' E. 300 ft. to the N. end center monument, the place of beginning exterior boundary of the claim.

Magnetic Va. N. 15° 10' E.

THIS AMENDED LOCATION is made in conformity with the original location, made June 9 th. 1914, recorded September 2nd 1914, in Book DD, Page 109-110, 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 June 9th. A. D. 1914

Date of Amended Location May 24 th. A. D. 1916

Attest LEVIATHAN MINES COMPANY.

Recorded at the request of R.C. Jacobson at 9 o'clock A.M., May 27th, 1916, in Book P.P. of Mining Claims, page-----, Records of Mohave County, Arizona.

J.W. Morgan, County Recorder.  
By Thos. McNeely, Deputy.

# Amended Location Certificate

KNOW ALL MEN BY THESE PRESENTS, That LEVIATHAN MINES COMPANY,

a corporation

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 Cedar

..... Mining District, hereby make and file this its amended location of the Copper Wonder <sup>No. 2</sup> 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 minerals, with all dips, variations and angles the same being 1469 feet along the ledge in a N. 48° 14' E. direction from the discovery stake and 23 feet along the ledge in a S. 48° 14' 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 Cedar Mining District, County of Mohave, State of Arizona, in sec's 19, 20, 29, 30, T. 17 N., R. 14 W. 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. 48° 14' E. 1469 ft. to the N. end center monument. Thence S. 47° 18' E. 251.2 ft. to the N. E. corner monument, whence the N. E. corner to section 30, T. 17 N., R. 14 W., bears S. 85° 26' W. 726 ft. Thence S. 48° 14' W. 1492 ft. to the S. E. corner monument. Thence N. 47° 18' W. 251.2 ft. to the S. end center monument, 551.2 ft. to the S. W. corner monument. Thence N. 48° 14' E. 1492 ft. to the N. W. corner monument. Thence S. 47° 18' E. 300 ft. to the N. end center monument, the place of beginning exterior boundary of the claim.  
Magnetic Va. N. 15° 10' E.

THIS AMENDED LOCATION is made in conformity with the original location, made January 1 st. 1910, recorded February 23 1910, in Book D. D., Page s. 110, 111, 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 1 st. A. D. 1910

Date of Amended Location May 24 A. D. 1916

Attest LEVIATHAN MINES COMPANY.



Recorded at the request of R.C.Jacobson at 9 o'clock A.M., May 27th, 1916, in Book P.P. of Mining Claims, page-----, Records of Mohave County, Arizona.

J.W.Morgan, County Recorder.  
By Thos.McNeely, Deputy.

# Amended Location Certificate

KNOW ALL MEN BY THESE PRESENTS, That LEVIATHAN MINES COMPANY,

a corporation

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 Cedar Mining District, hereby make and file this its amended location of the Water Claim 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 copper and gold and other valuable minerals, with all dips, variations and angles the same being 750 feet along the ledge in a N. 6° 43' E. direction from the discovery stake and 750 feet along the ledge in a S. 6° 43' 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 Cedar Mining District, County of Mohave, State of Arizona, in Sec's 19, 30, T. 17 N., R. 14 W. 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° 43' E. 750 ft. to the N. end center monument. Thence S. 83° 17' E. 300 ft. to the N. E. corner monument, whence the N. E. corner to Sec. 30, T. 17 N., R. 14 W. bears S. 28° 40' E. 872.58 ft. Thence S. 6° 43' W. 1500 ft. to the S. E. corner monument. Thence N. 83° 17' W. 300 ft. to the S. end center monument, 300 ft. to the S. W. corner monument. Thence N. 6° 43' E. 1500 ft. to the N. W. corner monument. Thence S. 83° 17' E. 300 ft. to the N. end center monument the place of beginning exterior boundary of the claim.  
Magnetic Va. N. 15° 10' E.

THIS AMENDED LOCATION is made in conformity with the original location, made October 25 1915, recorded January 22 1916, in Book N. N., Page 209, 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 October 25 A. D. 1915

Date of Amended Location May 31 A. D. 1916

Attest LEVIATHAN MINES COMPANY,



AMENDED LOCATION CERTIFICATE.

KNOW ALL MEN BY THESE PRESENTS; That LEVIATHAN MINES COMPANY,  
a corporation.

The undersigned corporation having complied with all the require-  
ments of the laws of the United States, and the State of Arizona,  
relating to mill sites, and with the local laws, customs, rules and  
regulations of CEDAR Mining District, hereby make and file this its  
amended location of the LEVIATHAN MILL SITE, situate in Cedar Mining  
District, County of Mohave, State of Arizona, in Sec. 31, T. 17 N., R.  
14 W., and more particularly described as follows, to wit:

Beginning at the N. E. corner monument of the claim, whence 1/4  
corner between sec's 31 and 32, T. 17 N., R. 14 W., bears N. 83° 22' E.  
953.9 ft. Thence S. 9° 46' E. 322.4 ft. to the S. E. corner monument.  
Thence S. 80° 14' W. 675.6 ft. to the S. W. corner monument. Thence  
N. 9° 46' W. 322.4 ft. to the N. W. corner monument. Thence N. 80° 14'  
E. 675.6 ft. to the N. E. corner monument, the place of beginning.  
Containing five acres.

Date of original location April 20 th. 1916.

Date of amended location May 26 th. 1916.

LEVIATHAN MINES COMPANY.

Filed and Recorded at Request of R. C. Jacobson May 27th A. D. 1916  
at 40 minutes past One o'clock P.M. in Book 2 of Mill Sites & Water  
Rights, Pages-----, Records of Mohave County, Arizona.

J. W. Morgan, County Recorder.

By Thos. McNeely, Deputy.

AMENDED LOCATION CERTIFICATE.

KNOW ALL MEN BY THESE PRESENTS: That LEVIATHAN MINES COMPANY,  
a corporation.

The undersigned corporation having complied with all the require-  
ments of the laws of the United States, and the State of Arizona,  
relating to mill sites, and with the local laws, customs, rules and  
regulations of CEDAR Mining District, hereby make and file this its  
amended location of the SUMMIT MILL SITE, situate in Cedar Mining  
District, County of Mohave, State of Arizona, in Sec. 36, T. 17 N., R.  
15 W., and more particularly described as follows, to wit:

Beginning at the N. E. corner monument of the claim, whence 1/4  
corner between Sec's 25 and 36, T. 17 N., R. 15 W., bears N. 13° 07' E.  
1556.7 ft. Thence S. 14° 40' E. 320.6 ft. to the S. E. corner monument.  
Thence S. 76° 43' W. 649.6 ft. to the S. W. corner monument. Thence  
N. 14° 40' W. 350.3 ft. to the N. W. corner monument. Thence N. 79° 18'  
E. 651 ft. to the N. E. corner monument, the place of beginning.  
Containing five acres.

Date of original location May 9 th. 1916.

Date of Amended location May 26 th. 1916.

LEVIATHAN MINES COMPANY.

Filed and Recorded at Request of R. C. Jacobson May 27th A.D. 1916  
at 40 minutes past One o'clock P.M. in Book 2 of Mill Sites and Water  
Rights, Pages-----, Records of Mohave County, Arizona.

J. W. Morgan, County Recorder.  
By Thos. McNeely, Deputy.

RECORDER'S CERTIFICATE.

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 the COPPER WONDER NO. 1, COPPER WONDER NO. 2, WHALE, LEVIATHAN, WHALE NO. 3, SUMMIT and WATER CLAIM lode mining claims and of the LEVIATHAN and SUMMIT mill-site claims, all situated in the CEDAR mining district, County of Mohave, State of Arizona, and of the endorsements thereon with the original records thereof 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 official seal this 29th day of  
MAY, A. D. 1916.



J. W. MORGAN  
Recorder of Mohave County,  
State of Arizona.

By Thos. McNeely  
Deputy.



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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

January 3, 1917.

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

LEVIATHAN MINES COMPANY

known as the LEVIATHAN, SUMMIT, WHALE, WHALE NO. 3, COPPER WONDER NO. 1, COPPER WONDER No. 2, WATER CLAIM LODES, AND LEVIATHAN AND SUMMIT MILL SITES.

situate in CEDAR Mining District, MOHAVE County, ARIZONA.

Secs. 19, 20, 29, 30, 31, T. 17 N., R. 14 W., and in Section 36, Township No. 17 N., Range No. 15 W., unapp'd., and

designated as Survey No. 3290 A&B, 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 claim by claimant or its grantors, and that said improvements consist of 4 cuts, 4 tunnels, 1 shaft and 2 drifts, total value \$9545.

As improvement No. 1 on the Whale lode is a common improvement for the benefit and development of all of the lodes in this group, an undivided one-seventh interest therein, value \$800, is properly credited to each lode claim 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 P. Trott,

United States Surveyor-General for Arizona.

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,

January 3, 1917.

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

LEVIATHAN MINES COMPANY

, known as the

LEVIATHAN, SUMMIT, WHALE, WHALE NO. 3, COPPER WONDER NO. 1, COPPER WONDER NO. 2, WATER CLAIM LODES, AND LEVIATHAN AND SUMMIT MILL SITES.

situate in CEDAR mining district,

MOHAVE County, ARIZONA

Secs. 19, 20, 29, 30, 31, T. 17 N., R. 14 W., and in Section 36, Township No. 17 N., Range No. 15 W., unapp'd.

, designated as Survey No. 3290 A&B

executed by Peter McCardell, U. S. Deputy Mineral

Surveyor, June 3-13, 1916, under my instructions dated

May 31, 1916, 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.

Frank O. Frost

U. S. Surveyor-General for Arizona.