

AUG - 8 1919

4-683

MINERAL SURVEY No. 3564

Arizona Land District

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

COPPER STATE MINING COMPANY

KNOWN AS THE

SILVER PENE, CARBONATE, RED OXIDE, OVERSIGHT, WELLINGTON and  
GEM Lodes..

Bunker Hill Mining District,

Pinel County, Arizona

Sections 14 & 15, Township 8 S, Range 18 E, G. & S. P. B. & M.  
Unsurveyed.

Surveyed under instructions dated January 9th., 19 19.

by Paul E. Fernald  
U. S. Mineral Surveyor.

Claim located See location notices, 19

Survey commenced January 22nd., 19 19

Survey completed February 1st., 19 19.

Address of claimant Wright & Darnell, Attys.  
P.O. Box 1508, Tucson, Ariz.

DATES OF AMENDED LOCATIONS.

MINERAL SURVEY NO. 3564

	M & B Desc.	Improvements	Loc. Notices
Claims			
Carbonate	Pg. 2	Pg. 9	<u>Red Pg.</u> 4
Gem	7	12	12
Oversight	5	10	8
Red Oxide	1	9	6
Silver Reef	6	11	2
Wellington	3	10	10

## U.S. MINERAL SURVEY NO. 3564.

FEET.

RED OXIDE LODE.

Beginning at Cor.No.1.

A 1 inch iron pipe,  $4\frac{1}{2}$  feet long, set  $1\frac{1}{2}$  feet in ground with claw base and surrounded by monument of stones. Brass cap on pipe stamped "U.S.Mineral Survey No.3564, 1 R.OXIDE.

Whence U.S.L.M.No.3272 bears  $S 72^{\circ} 14' W$ , 956.34 feet.

" Cor.No.1, Gulch Copper Lode, Sur.No.3272, bears  $S 11^{\circ} 13' W$ , 1252.76 feet.

Cor.No.4, Gulch Copper Lode, Sur.No.3272, bears  $N 87^{\circ} 3' 39" E$ , 605.02 feet.

Thence  $N 2^{\circ} 13' 30" E$ .

500.00 West End Center - monument of stones 3 feet high.

600.00 Cor.No.2.

A 1 inch iron pipe,  $4\frac{1}{2}$  feet long, set  $1\frac{1}{2}$  feet in the ground with claw base and surrounded by monument of stones. Brass cap on pipe stamped "U.S.Mineral Survey No.3564, 2 R.OXIDE."

Thence  $S 87^{\circ} 46' 30" E$

50.00 Cor.No.1, Carbonate Lode, this survey.

1535.00 Intersects Line 4-I, Wellington Lode, this survey, at point  $S 2^{\circ} 13' 30" W$ , 357.63 feet from Cor.No.4.

1500.00 Cor.No.3, identical with Cor.No.4, Carbonate Lode, this Survey.

A 1 inch iron pipe,  $4\frac{1}{2}$  feet long, set  $1\frac{1}{2}$  feet in the ground with claw base and surrounded by monument of stones. Brass cap on pipe stamped U.S.Mineral Survey No.3564, 3 R.OXIDE.

Whence Cor.No.4, Wellington lode, this survey bears  $N 22^{\circ} 32' 30" W$ , 393.86 ft.

Thence  $S 2^{\circ} 13' 30" W$

500.00 East End Center - monument of stones 3 feet high.

600.00 Cor.No.4.

A 1 inch iron pipe,  $4\frac{1}{2}$  feet long, set  $1\frac{1}{2}$  feet in the ground with claw base and surrounded by monument of stones. Brass cap on pipe stamped U.S.Mineral Survey No.3564, 4 R.OXIDE.

Whence Cor.No.3, Gulch Copper Lode, Survey No.3272, bears  $S 58^{\circ} 50' W$ , 459.16 feet.

	Thence N 87°46'30"W
165.00	Intersects line 4-I, Wellington Lode, this survey, at point S 2°13'30"W, 957.63 feet from Cor.No.4.
560.00	Crosses small draw running S.W.
808.54	Intersects Line 3-4, Gulch Copper Lode, Survey No.3272, at point S 56°59'E, 106.04 feet from Cor.No.4.
933.31	Intersects line 4-I, Gulch Copper Lode, Survey No.3272, at point 63.99, S 34°12'W from Cor.No.4.
1500.00	Cor.No.1, the point of beginning.
	<u>CARBONATE LODE.</u>
	Beginning at Cor.No.1. being at point 50.00, line 2-3, Red Oxide Lode, this survey.
	A 1 inch iron pipe, 4½ feet long with claw base, set 1½ feet in the ground and surrounded by monument of stones. Brass cap on pipe stamped U.S.Mineral Survey No.3564, I - Carb.
	Whence U.S.L.M.No.3272 bears S 47°53'20"W, 1326.39 feet.
	Thence N 2°13'30"E
500.00	West End Center - monument of stones 3 feet high.
590.00	Witness Corner to Cor.No.2, hereafter described.
600.00	Cor.No.2.
	Not set, as falls at south bank small creek running west, and could not be permanent.
	Whence witness corner bears S 2°13'30"W, 10. feet. A 1 inch iron pipe, 4½ feet long with claw base, set 1½ feet in the ground and surrounded by monument of stones. Brass cap on pipe stamped U.S.Mineral Survey No.3564, W.C. 2 Carb. --10.
	Bearing tree for true corner - a 20" Oak, scribed X. B.T. 2 CARB. 3564, bears S 55°45'W, 28.61 feet.
	Thence S 87°46'30"E
87.00	Crosses center small creek running W.- N.W.
191.00	Crosses center small creek running W.- S.W.
1285.00	Intersects line 4-I, Oversight Lode, this survey, at point N 2°13'30"E, 242.37 feet from Cor. No.1.
1450.00	Cor.No.3.

## U.S. MINERAL SURVEY NO. 3564.

- A 1 inch iron pipe,  $4\frac{1}{2}$  feet long with claw base, set  $1\frac{1}{2}$  feet in the ground and surrounded by monument of stones. Brass cap on pipe stamped U.S. Mineral Survey No. 3564, 3 Carb.
- Whence Cor. No. 1, Oversight Lode, this survey, bears S  $56^{\circ}28'20''$ W, 293.21 feet.
- Thence S.  $2^{\circ}13'30''$ W
- 242.37 Intersects line I-2, Oversight Lode, this survey, at point S  $87^{\circ}46'30''$ E, 165.00 feet from Cor. No. 1.
- Identically, intersects line 3-4, Wellington Lode, this survey, at point N  $87^{\circ}46'30''$ E, 165.00 feet from Cor. No. 4.
- 300.00 East end center - monument of stones 3 feet high.
- 600.00 Cor. No. 4, identical with Cor. No. 3, Red Oxide Lode, this survey, heretofore described. Brass cap on pipe marked 4 - Carb. additionally for this corner.
- ~~Whence Cor. No. 4, Wellington Lode, identical with Cor. No. 1 Oversight Lode, both this survey, bears N  $82^{\circ}53'56''$ W, 592.78 feet.~~
- Thence N  $87^{\circ}46'30''$ W
- 165.00 Intersects line 4-I, Wellington Lode, this survey, at point S  $2^{\circ}13'30''$ W, 357.63 feet from Cor. No. 4.
- 1450.00 Cor. No. 1, the point of beginning.
- WELLINGTON LODGE.
- Beginning at Cor. No. 1.
- Not set, as point falls at north bank creek where monument could not be permanent.
- Whence Witness Corner to this corner bears N  $2^{\circ}13'30''$ E, 40. feet. A 1 inch iron pipe,  $4\frac{1}{2}$  feet long with claw base, set  $1\frac{1}{2}$  feet in the ground and surrounded by monument of stones. Brass cap on pipe stamped U.S. Mineral Survey No. 3564, I Well. W.C. 40.
- From true corner point, U.S.L.M. No. 3272 bears N  $82^{\circ}16'$ W, 2244.05 feet.
- Thence S  $87^{\circ}46'30''$ E *from true corner point*
- 300.00 South end center - post in monument of stones 3 feet high.
- 600.00 Cor. No. 2.

A 1 inch iron pipe,  $4\frac{1}{2}$  feet long with claw base, set  $1\frac{1}{2}$  feet in the ground and surrounded by monument of stones, Brass cap on pipe stamped U.S. Mineral Survey No. 3564, 2-Well.

Thence N  $2^{\circ} 13' 30''$  E

I500.00 Cor. No. 5, identical with Cor. No. 2, Oversight Lode, this Survey.

A 1 inch iron pipe,  $4\frac{1}{2}$  feet long with claw base, set  $1\frac{1}{2}$  feet in the ground and surrounded by monument of stones. Brass cap on pipe stamped U.S. Mineral Survey No. 3564, 3-Well.

Thence N  $87^{\circ} 46' 30''$  W

500.00 North end center - monument of stones 3 feet high.

455.00 Intersects line 3-4, Carbonate Lode, this survey, at point N  $2^{\circ} 13' 30''$  E, 357.63 feet from Cor. No. 4.

600.00 Cor. No. 4, identical with Cor. No. 1, Oversight Lode, this Survey.

A 1 inch iron pipe,  $4\frac{1}{2}$  feet long with claw base, set  $1\frac{1}{2}$  feet in the ground and surrounded by monument of stones. Brass cap on pipe stamped U.S. Mineral Survey No. 3564, 4-Well.

~~Thence Cor. No. 4, Carbonate Lode, identical with Cor. No. 5 Red Oxide Lode, both this survey, bears S  $22^{\circ} 52' 36''$  W, 592.73 feet.~~

Thence S  $2^{\circ} 13' 30''$  W

357.63 Intersects line 4-1, Carbonate Lode, this survey, at point N  $87^{\circ} 46' 30''$  W, 165.00 feet from Cor. No. 4.

Identically, intersects line 2-3, Red Oxide Lode, this survey, at point N  $87^{\circ} 46' 30''$  W, 165.00 feet from Cor. No. 3.

957.63 Intersects Line 4-1, Red Oxide Lode, this survey, at point N  $87^{\circ} 46' 30''$  W, 165.00 feet from Cor. No. 4.

I460.00 W.C. to Cor. No. 1.

I500.00 Cor. No. 1, the point of beginning.

OVERSIGHT LODGE.

Beginning at Cor. No. 1.

Identical with Cor. No. 4, Wellington Lode, this survey,

U.S. MINERAL SURVEY NO. 3564.

heretofore described. Brass cap on pipe stamped I OVSQT.  
for this corner.

Whence U.S.L.M. No. 3272 bears S 62° 19' 18" W, 2576.75 feet.  
Cor. No. 3, Carbonate Lode, this survey, bears N 36° 28' 20" E, 293.21 feet.

Thence S 87° 46' 30" E

165.00 Intersects line 3-4, Carbonate Lode, this survey, at point S 2° 15' 30" W, 242.37 feet from Cor. No. 3.

300.00 South end center - monument of stones 3 feet high.

600.00 Cor. No. 2. Identical with Cor. No. 3, Wellington Lode, this Survey, heretofore described. Brass cap on pipe stamped 2 OVSQT. For this corner.

Whence Cor. No. 1, Silver Reef Lode, this survey, bears N 11° 10' 34" W, 349.59 feet.

Thence N 2° 15' 30" E

337.96 Intersects line 1-2, Silver Reef Lode, this survey, at point S 86° 17' E, 31.05 feet from Cor. No. 1.

1500.00 Cor. No. 3.

A 1 inch iron pipe, 4½ feet long with claw base, set 1½ feet in the ground and surrounded by monument of stones. Brass Cap on pipe stamped U.S. Mineral Survey No. 3564, 3 OVSQT.

Whence Cor. No. 4, Silver Reef Lode, this survey, bears N 4° 49' 30" W, 342.15 feet.

Thence N 87° 46' 30" W

50.84 Intersects Line 4-1, Silver Reef Lode, this survey, at point N 5° 43' E, 1160.32 feet from Cor. No. 1.

300.00 North end center - monument of stones 3 feet high.

600.00 Cor. No. 4.

A 1 inch iron pipe, 4½ feet long with claw base, set 1½ feet in the ground and surrounded by monument of stones. Brass cap on pipe stamped U.S. Mineral Survey No. 3564, 4 OVSQT.

Thence S 2° 15' 30" W

1257.63 Intersects line 2-3, Carbonate Lode, this survey, at point N 87° 46' 30" W, 165.00 feet from Cor. No. 3.

1500.00 Cor. No. 1, the point of beginning.

SILVER REEF LODE.

Beginning at Cor.No.1.

A 1 inch iron pipe  $4\frac{1}{2}$  feet long with claw base, set  $1\frac{1}{2}$  feet in the ground and surrounded by monument of stones.

Brass cap on pipe stamped U.S.Mineral Survey No.3564, 1 - S.Reef.

Whence U.S.L.M.No.3272 bears S  $61^{\circ}40'30''$ W, 3196.38 feet.

Cor.No.2, Oversight Lode, this survey, bears S  $11^{\circ}10'54''$ E, 349.59 feet.

Thence S  $86^{\circ}17'$ E

81.05 Intersects line 2-3, Oversight Lode, this survey, at point S  $2^{\circ}13'30''$ W, 1162.04 feet from Cor.No.3.

300.00 South end center - monument of stones 3 feet high.

600.00 Cor.No.2.

A 1 inch iron pipe,  $4\frac{1}{2}$  feet long with claw base, set  $1\frac{1}{2}$  feet in the ground and surrounded by monument of stones.

Brass cap on pipe stamped U.S.Mineral Survey No.3564, 2 - S.Reef.

Whence Cor.No.1, Gem Lode, this survey, bears N  $22^{\circ}7'37''$ W, 474.14 feet.

Thence N  $3^{\circ}43'$ E

386.92 Intersects line 1-2, Gem Lode, this survey, at point S  $75^{\circ}23'$ E, 210.48 feet from Cor.No.1.

1295.00 Crosses small draw running W.-S.W.

1500.00 Cor.No.3, being at point on line 4-1, Gem Lode, this survey, N  $14^{\circ}37'$ E, 1093.00 feet from Cor.No.1.

A 1 inch iron pipe  $4\frac{1}{2}$  feet long with claw base, set  $1\frac{1}{2}$  feet in the ground and surrounded by monument of stones. Brass cap on pipe stamped U.S.Mineral Survey No.3564, 3 S.Reef.

Thence N  $86^{\circ}17'$ W

300.00 North end center - monument of stones 3 feet high.

600.00 Cor.No.4.

A 1 inch iron pipe  $4\frac{1}{2}$  feet long with claw base, set  $1\frac{1}{2}$  feet in ground and surrounded by monument of stones. Brass cap on pipe stamped U.S.Mineral Survey No.3564, 4-S.Reef.



U.S. Mineral Survey No. 3564.

Whence Cor.No.3, Oversight Lode, this survey, bears S 4° 49'30"E, 342.15 feet.

Thence S 3° 43'W

307.00 Crosses draw running west.

359.68 Intersects line 3-4, Oversight Lode, this survey, at point N 87° 46'30"W, 50.84 feet from Cor.No.3

1500.00 Cor.No.1, the point of beginning.

GEM LODE.

Beginning at Cor.No.1.

A 1 inch iron pipe 4½ feet long with claw base, set 1½ feet in ground and surrounded by monument of stones. Brass cap on pipe stamped U.S.Mineral Survey No.3564, 1 Gem.

Whence U.S.L.M.No.3272 bears S 59° 20'30"W, 3759.28 feet.

Cor.No.2, Silver Reef Lode, this survey, bears S 22° 7'37"E, 474.14 feet.

Thence S-75° 23'E

210.48 Intersects line 2-3, Silver Reef Lode, this survey, at point S 3° 43'W, 1113.08 feet from Cor.No.3.

300.00 South end center - post in monument of stones 3 feet high.

600.00 Cor.No.2 .

A 1 inch iron pipe 4½ feet long with claw base, set 1½ feet in ground and surrounded by monument of stones. Brass cap on pipe stamped U.S.Mineral Survey No.3564, 2-Gem.

Thence N 14° 37'E.

1319.00 Crosses small draw running west.

1500.00 Cor.No.3.

A 1 inch iron pipe, 4½ feet long with claw base, set 1½ feet in ground and surrounded by monument of stones. Brass cap on pipe stamped U.S.Mineral Survey No.3564, 3-Gem.

Thence N 75° 23'W

300.00 North end center - monument of stones 3 feet high.

600.00 Cor.No.4.

A 1 inch iron pipe, 4½ feet long with claw base, set 1½ feet in the ground and surrounded by monument of stones.

Brass cap on pipe stamped U.S.Mineral Survey No.3564, 4-Gem.

Thence S 14° 37'W

407.00 Cor.No.3, ~~Oversight~~ <sup>Silver Reef</sup> Lode, this survey.  
 635.00 Crosses small draw running W.-N.W..  
 1038.00 Crosses small draw running N.-N.W..  
 1500.00 Cor.No.I, the point of beginning.

Variation at all corners - 14 degrees East.

No natural bearing objects available from any corner of this survey except where specifically noted herein.

All corners of this survey are identical with the respective monuments of location as found upon the ground.

#### LODE LINES.

As nearly as can be determined from present development, the veins of the several locations embraced in this claim extend as follows from their respective discovery points:-

Red Oxide Lode, N. 87° 46' 30" W. - 1500.00 feet.

Carbonate Lode, S. 87° 46' 30" E. - 1450.00 "

Wellington Lode, S. 2° 13' 30" W. - 1155 feet and N. 2° 13' 30" E. - 345. ft.

Oversight Lode, S. 2° 13' 30" W. - 785. feet and N. 2° 13' 30" E. - 715. ft.

Silver Reef Lode, S. 3° 43' W. - 740. feet and N. 3° 43' E. - 760. feet.

Gem Lode. S. 14° 37' W. - 700. feet and N. 14° 37' E. - 800. feet.

#### AREAS:-

Total area Red Oxide Lode. 20.661 acres.

Conflict ~~Red Oxide lode~~ with Gulch  
Copper lode, Survey No. 3272. 0.078 acres.

Carbonate Lode, total area 19.972 acres.

Wellington Lode, total area. 20.661 "

with  
Conflict, Red Oxide Lode, this survey  
2.272 acres

with  
Conflict, Carbonate Lode, this survey  
1.355 acres

Oversight Lode, total area 20.661 acres

with  
Conflict, Carbonate Lode, this survey  
0.918 acres

with  
Conflict, Silver Reef Lode, this survey  
1.758 acres

Silver Reef Lode, total area 20.661 acres

Gem Lode, total area 20.661 "

with  
Conflict, Silver Reef Lode, this survey.  
2.641 acres.

## U.S. MINERAL SURVEY NO. 3564.

LOCATION:- This survey is located <sup>at</sup> ~~approx.~~ in Section <sup>15</sup> 14 and ~~the N. 1/4~~ ~~of Section 25,~~ T 8 S, R 18 E, G. & S. R. B. & M. Unsvd., in the Bunker Hill Mining District, Pinal County, Arizona.

## EXPENDITURE OF FIVE HUNDRED DOLLARS:-

I certify that the value of the labor and improvements made upon or for the benefit of, each of the locations embraced in this mining claim by the claimant or its grantors, is not less than Five Hundred Dollars, and that said improvements consist of:-

Red' Oxide Lode: No. 1. Discovery point, at East End Center. Monument of stones three feet high at outcrop of ledge.

No. 2. Shaft 4x6-7 feet deep, center of which bears N 58° 10' W, 585. feet from point 292.8, line 4-I. Value \$35.00

No. 3. Shaft 3½x5½-20 feet deep, center of which bears N 61° 41' W, 580. feet from point 292.8, line 4-I.

Value \$175.00

No. 4. Shaft 4x6-8, center of which bears N 59° 14' W, 610 ft. from point 292.8, line 4-I. Value \$40.00

No. 5. Shaft 4x6-8' deep, center of which bears N 60° 48' W, 625. feet from point 292.8, line 4-I. Value \$40.00

A 1/6 interest in improvement No. 2, Carbonate Lode, this survey - a common improvement hereinafter described.

Value \$490.00

A 1/6 interest in improvement No. 5, Silver Reef Lode, this survey - a common improvement hereinafter described.

Value \$686.67

## Carbonate Lode:-

No. 1. Discovery point at West end center. Monument of stones 3 feet high at outcrop of ledge.

No. 2. Cut and tunnel. Center mouth of cut bears N 22° 0' E, 327. feet from Cor. No. 1. Cut 5x35 to 16' face, thence tunnel in easterly 4x6-204 feet long. At point 87 in tunnel, cross cut to S.E. 4x6-35 feet long. At point 197, winze 4x6 - 20' deep. This tunnel starts near the extreme western edge of this claim and is driven towards the general center of the claim. It is at a low level, such that if driven ahead

in its present course, it will enter under the surface of all locations in this claim at a considerable depth and thus tend to develop each and every<sup>one</sup> of said locations. It therefore constitutes a common improvement for each and every<sup>one</sup> of said locations, and an equal 1/6 interest in its value is properly accredited to each location in this claim. Total value of this improvement \$2940.00.

1/6 interest accredited this lode \$490.00

No.3. Shaft 4x6-23'deep, center of which bears N 34° 20'E, 350. feet from Cor.No.I. Value \$230.00

No.4. Shaft 4x6-9'deep, center of which bears N 41° 52'E, 379.feet from Cor.No.I. Value \$45.00

No.5. Shaft 4x6-24'deep, center of which bears N 54° 30'E, 467. feet from Cor.No.I. Value \$240.00

A 1/6 interest in improvement No.5, Silver Reef Lode, this survey - a common improvement hereinafter described.

Value \$686.67

Wellington Lode:-

No.I, Discovery Cut 4x12-10 foot face, on center line 345. feet from the north end center. Value \$50.00

A 1/6 interest in improvement No.2, Carbonate Lode, this survey - a common improvement heretofore described.

Value \$490.00

A 1/6 interest in improvement No.5, Silver Reef Lode, this survey - a common improvement hereinafter described.

Value \$686.67

Oversight Lode:-

No.I, Discovery Cut 4x12-10' face, on center line 715.feet from the north end center. Value \$50.00

A 1/6 interest in improvement No.2, Carbonate Lode, this survey - a common improvement heretofore described.

Value \$490.00

A 1/6 interest in improvement No.5, Silver Reef Lode, this survey - a common improvement hereinafter described.

Value \$686.67

## U.S. MINERAL SURVEY NO. 3564.

## Silver Reef Lode:-

No. 1. Discovery point, on center line 740. feet from south end center. Monument of stones 3 feet high on prominent outcrop of ledge.

No. 2. Shaft 4x6-6 feet deep, center of which bears S 11° 7' W, 170. feet from point on center line 730.85 feet from south end center. Value \$30.00

No. 3. <sup>Trench</sup> 15x3½-4 feet deep, center of which bears S 46° 21' E, 37. feet from point on center line 730.85 feet from south end center. Value \$40.00

No. 4. Open <sup>cut</sup> work - center north end bears N 33° 0' E, 35. feet from point on center line 730.85 feet from south end center. Work runs southerly 22 feet, 5' wide, 10' deep. Value \$225.00

No. 5. Cut and tunnel running S.W. Center mouth of cut bears N 53° 47' E, 183. feet from point on center line 730.85 feet from south end center. Cut 4x53-12' face, thence tunnel 4x6-143' long. At point 107 in tunnel, drift runs southerly 4x6-131 feet. From this drift, at point 89', cross cut runs west 4x6-15', and at point 96' winze is sunk 4x6-30' with drift northerly from bottom 10'. At point 126' in tunnel, raise to surface 4x6-50', connecting with working No. 4 above described.

This tunnel starts at a low point on this claim, such that if driven ahead in its present general course, with occasional cross cuts, it will pass under at considerable depth the surface of the South west corner of the Gem Lode, and of all other locations of this claim, and thus tend to develop each and every <sup>one</sup> of said locations. It therefore constitutes a common improvement for each and every <sup>one</sup> of said locations, and an equal 1/6 interest in its value is properly accredited to each location in this claim. Total value of this improvement - \$4120.00.

1/6 interest accredited to this location

\$686.67

A 1/6 interest in improvement No. 2, Carbonate Lode, this

survey - a common improvement heretofore described.

Value . . . \$490.00

Gem Lode:-

No. I. Discovery cut 4x12-10' face, on center line 700 feet from south end center.

Value . . . \$50.00

A 1/6 interest in improvement No. 2, Carbonate Lode, this survey - a common improvement heretofore described.

Value . . . \$490.00

A 1/6 interest in improvement No. 5, Silver Reef Lode, this survey - a common improvement heretofore described.

Value . . . \$686.67

OTHER IMPROVEMENTS.

Silver Reef Lode - a cut in west, 4x11-8' face, center of face bearing S 82° 3' E, 25 feet from point on center line 730.85 feet from south end center. This work not done at expense of claimant or grantors.

INSTRUMENT:- This survey was made with Dietzgen Transit No. 5972. Courses were deflected from the true meridian as determined by direct solar observations. Distances were measured with 50 and 350 foot steel tapes.

ADJOINING AND CONFLICTING CLAIMS:- The Red Oxide Lode, this survey, conflicts with Gulch Copper Lode, Survey No. 3272, to the extent of 0.078 acres as shown herein. Other unsurveyed locations may be adjacent to this claim, but no evidence was found sufficient to identify them.

REPORT. The boundaries of the several locations embraced in this survey, and tie lines given herein, were run direct upon the ground.

U.S.L.M. No. 3272 is a large iron pipe located on top of a high peak, set in a large monument of stones and stamped U.S.L.M. No. 3272. Pipe plainly visible from surrounding country.

Corners of Survey No. 3272 are 4x4 posts set in monuments of stone, marked with survey number, claim name and corner number.

## U.S. MINERAL SURVEY NO. 3564.

Certain locations embraced in this survey differ from their descriptions as given in their respective location notices, and as marked upon the ground, as follows:-

Carbonate Lode, 1450 feet long vice 1500 feet as claimed.

Silver Reef Lode - 740'S and 760'N from Discovery point vice 750'S and 750'N as claimed.

Oversight Lode - 715'N and 785'S from Discovery point vice 705'N and 795'S as claimed.

Wellington Lode - 345'N and 1155'S from Discovery point vice 350'N and 1150'S as claimed.

All of the above discrepancies are due to technical errors of description in the respective location notices.

*Paul E. Fernald.*  
U.S. Mineral Surveyor

Wichita Falls, Texas. Aug. 2nd. 1919.

Section 13 of the Constitution of the United States provides that the
 judicial power shall extend to all cases arising under the Constitution,
 and under the laws of the United States, and to all cases affecting
 the Ambassadors, Consuls, and Vice Consuls, and to all cases
 affecting the Honor of the United States. The Supreme Court has
 interpreted this provision as giving it the authority to review the
 constitutionality of laws passed by Congress.

*[Faint handwritten signature]*  
 U.S. District Court  
 Eastern District of Texas, Tyler, Texas

Dated this 1st day of March, 1964.



# FINAL OATHS FOR SURVEYS.

## LIST OF NAMES.

A list of the names of the individuals employed by Paul E. Fernald  
 United States Mineral Surveyor, to assist in running, measuring, and marking the lines, corners, and  
 boundaries described in the foregoing field notes of the survey of the mining claim of Copper  
State Mining Company  
 known as the SILVER REEF, CARBONATE, RED OXIDE, OVERSIGHT, WELLINGTON and  
GEM Lodes.  
 and showing the respective capacities in which they acted.

George Lieben, Chairman.  
Michael G. Riedl, Chairman.  
 \_\_\_\_\_, Assman.  
 \_\_\_\_\_, Flagman.

## FINAL OATHS OF ASSISTANTS.

We, George Lieben and Michael G. Riedl,  
~~and~~ \_\_\_\_\_, do solemnly swear that we assisted Paul E.  
Fernald, United States Mineral Surveyor, in marking the corners and surveying  
 the boundaries of the mining claim of Copper State Mining Company  
 known as the SILVER REEF, CARBONATE, RED OXIDE, OVERSIGHT, WELLINGTON  
and GEM Lodes.  
 represented in the foregoing field notes as having been surveyed by said mineral surveyor and under his  
 direction; and that said survey has been in all respects, to the best of our knowledge and belief, faithfully  
 and correctly executed, and the corner and boundary monuments established according to law and the instruc-  
 tions furnished by the United States Surveyor-General for Arizona

George Lieben, Chairman.  
Michael G. Riedl, Chairman.  
 \_\_\_\_\_, Assman.  
 \_\_\_\_\_, Flagman

Subscribed and sworn to by the above-named persons before me this 3rd

day of February, 1919.

Notary Public  
Yuma Co., Ariz.

*My commission  
 Expires June 6-1920.*



# FINAL OATHS FOR SURVEYS

## LIST OF NAMES

A list of the names of the individuals employed by Paul F. Fernald, United States Mineral Surveyor, to assist in running, measuring and marking the lines corners and boundaries described in the foregoing plat notes of the survey of the mining claim of Copper State Mining Company known as the SILVER BELT, CARBONATE, IRON OXIDE, OVERSIGHT, WELLINGTON and GEM Lodes, and showing the respective capacities in which they acted

Chairman: George Lieben  
 Chairman: Michael G. Riedl  
 Assessor:  
 Recorder:

## FINAL OATHS OF ASSISTANTS

I, George Lieben and Michael G. Riedl, do solemnly swear that we are duly qualified to assist in running, measuring and marking the lines corners and boundaries of the mining claim of Copper State Mining Company known as the SILVER BELT, CARBONATE, IRON OXIDE, OVERSIGHT, WELLINGTON and GEM Lodes, and that said survey has been in all respects to the best of our knowledge and belief faithfully and correctly executed, and the corners and boundary monuments established according to law and the instructions furnished by the United States Surveyor-General for Arizona

Chairman: George Lieben  
 Chairman: Michael G. Riedl  
 Assessor:  
 Recorder:

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

day of



*Handwritten signatures and notes at the bottom of the page, including names like 'George Lieben' and 'Michael G. Riedl'.*

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, Paul E. Fernald, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated January 9th, 1919, 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 Copper State Mining Company, known as the SILVER REEF, CARBONATE, RED OXIDE, OVERSIGHT, WELLINGTON and GEM Lodes, situate in Bunker Hill Mining District, Pinal County, Arizona, in Section 14 & 15, Township No. 8 S., Range No. 18 E., G. & S. R. E. & M. Tnsyrd, and designated as Survey No. 3564, 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.

Paul E. Fernald. U. S. Mineral Surveyor.

Subscribed and sworn to by the said Paul E. Fernald U. S. Mineral Surveyor, before me J. J. Dowd, a Notary Public, Pima County, Arizona, this third day of February, 1919.

J. J. Dowd Notary Public

My commission expires June 6-1920.



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

## Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona.

FEB 12 1920, 191

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

COPPER STATE MINING COMPANY

known as the SILVER REEF, CARBONATE, RED OXIDE, OVERSIGHT, WELLINGTON,  
and GEM Lodes,  
situate in BUNKER HILL

Mining District, PINAL County, ARIZONA,

in Sections 14 & 15, Township No. 8 S., Range No. 18 E., G&SRB&M., and  
designated as Survey No. 3564,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 6 cuts, 8 shafts, 2 tunnels, and a trench. Value \$8310.

As improvement No. 2, Carbonate Lode, and improvement No. 5 Silver Reef Lode, are common improvements for the benefit and development of the six lodes in this survey, an undivided one-sixth interest (value \$490. and \$686.67 respectively) 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 P. Trott

United States Surveyor-General for Arizona.

U.S. GOVERNMENT PRINTING OFFICE: 1964

# Department of the Interior

Office of the Secretary

Washington, D.C. 20540

Dear Sir:

Reference is made to your letter of [illegible] dated [illegible] regarding [illegible].

The [illegible] of the [illegible] is [illegible].

It is noted that [illegible] and [illegible] are [illegible].

The [illegible] of the [illegible] is [illegible].

Very truly yours,

[illegible signature]

[illegible text]

[illegible text]

[illegible text]

[illegible text]

[illegible text]

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,

FEB 12 1920, 191

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

COPPER STATE MINING COMPANY,

known as the

SILVER REEF, CARBONATE, RED OXIDE, OVERSIGHT, WELLINGTON, and GEM Lodes

situate in BUNKER HILL mining district,

PINAL County, ARIZONA,

in Sections 14 & 15, Township No. 8 S., Range No. 18 E., C&SRB&M

Unsurveyed, designated as Survey No. 3564

executed by Paul E. Fernald, United States Mineral

Surveyor, January 22 - February 1, 1919, under my instructions dated

January 9th, 1919, 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 P. Frost

U. S. Surveyor-General for Arizona.

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

Department of the Interior

Office of the Surveyor-General

Washington, D.C.

1911

I hereby certify that the foregoing and herein attached field notes and plat of the Mining Claim of ...

Surveyed by ...

Surveyed on ...