

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
~~GENERAL LAND OFFICE~~  
BUREAU OF LAND MANAGEMENT

MINERAL SURVEY NO. 4334

Arizona Land District.

**FIELD NOTES**

Of The Survey Of The Mining Claim Of

Mrs. Maud L. Steele,

Known As The

Homestake, Alexander, Golden Reef and Cottonwood lodes,

Cave Creek Mining District,

Maricopa County, Arizona

Sections 1, 2, 11, 12, Township 6 North, Range 4 East G&SRM

Surveyed under instructions dated March 28, 1949.

by Harry E. Jones,  
~~U.S.~~ Mineral Surveyor.

Claim located January 9 and 10, 1915

Survey commenced April 25, 1949

Survey completed May 24, 1949

Address of claimant Apt. 202, 2195 Sacramento St.  
San Francisco, 9, Calif.

DATES OF AMENDED LOCATIONS

February 27, 1949,

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GENERAL LAND OFFICE

MINERAL SURVEY NO. \_\_\_\_\_

\_\_\_\_\_  
Land District

FIELD NOTES

Of the Survey of the Mining Claim in

\_\_\_\_\_

Known As The

\_\_\_\_\_

\_\_\_\_\_ Mining District

\_\_\_\_\_ County

\_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_

Surveyed under instructions dated \_\_\_\_\_ 19\_\_

by \_\_\_\_\_  
U. S. Mineral Surveyor

Claim located \_\_\_\_\_ 19\_\_

Survey commenced \_\_\_\_\_ 19\_\_

Survey completed \_\_\_\_\_ 19\_\_

Address of claimant \_\_\_\_\_

DATE OF AMENDED LOCATIONS

\_\_\_\_\_

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## MINERAL SURVEY NO. 4334

	<p>This survey was made with a C. L. Berger &amp; Sons transit No. 7574, with a horizontal limb 4 inches diameter, having two double opposite verniers, and a full vertical circle 4 inches diameter, having one double vernier, both reading to one minute of arc; the eyepiece is equipped with a colored glass shutter for making direct observations on the sun. The instrument was in good condition and adjustment at the time of making this survey.</p> <p>All azimuths in this record were determined by the method of deflection angles referred to the meridian determined by the following observations. On May 12, 1949, on line 1-2 Homestake lode of this survey in Lat. <math>33^{\circ}52'55''N.</math> and Long. <math>111^{\circ}54'42''W.</math></p> <p>I made a series of four altitude observations upon the sun for azimuth at equal time intervals, two each direct and inverted respectively, observing the limb of the sun and reading the horizontal angles from the reference line 1-2.</p> <p>The mean time of this observation is 4:15 p.m. Mountain Standard Time. The corrected declination of sun at mean time of observation is <math>18^{\circ}14'25.7''.</math></p> <p>The corrected vertical angle to sun center is <math>36^{\circ}40'05.1''.</math></p> <p>Mean horizontal angle is <math>16^{\circ}47'</math> from reference point clockwise to sun's center.</p> <p>The true bearing of reference line is <math>S.71^{\circ}30'12''W.</math></p> <p>The lines were measured with a 600 ft. steel tape graduated every foot, and a 50 ft. steel tape graduated to hundredths; both tapes were checked for accuracy prior to their use on this survey.</p> <p>All lines and connections of this survey were run directly on the ground.</p> <p>The mean magnetic variation observed at each corner of this survey is <math>14^{\circ}45'E.</math></p>
Feet	<p style="text-align: center;"><u>HOMESTAKE LODE</u></p> <p>At Cor. No. 1, on line 4-1 Alexander lode of this survey, set a <math>2\frac{1}{2}</math> ft. <math>\frac{3}{4}</math> inch pipe 18 inches in ground and surrounded with a substantial mound of earth and rock, with a 2 inch cast cap marked U.S. MINERAL SURVEY NO. 4334-H-1, from which</p> <p>The cor. of secs. 1, 2, 11 and 12, T. 6 N. R. 4 E., G. &amp; S. R. M. bears <math>N.56^{\circ}57'E.</math> 514.22 ft. dist. This corner as reestablished by me is a porphyry stone <math>24 \times 12 \times 5</math> inches set 16 ins. in the ground with a mound of rock alongside, mkd. with X on top and with 1 notch on E. face and 5 natches on S. face.</p> <p style="text-align: center;">Thence <math>S. 71^{\circ} 30' W.</math></p> <p>368.00 Cross center of 5 ft. wash, course Northwesterly.</p> <p>378.80 Intersect Cor. No. 4, Alexander lode, identical with Cor. No. 1, Cottonwood lode, both of this survey.</p> <p>1035.00 Cross center of road, bearing Easterly and Westerly.</p> <p>1167.00 Cross 2 inch water pipe line. Bears NNW. and SSE.</p> <p>1321.00 Cross center of 10 ft. wash, course Northwesterly.</p> <p>1500.00 Cor. No. 2, on line 4-1 Cottonwood lode of this survey.</p> <p>Set a <math>2\frac{1}{2}</math> ft. <math>\frac{3}{4}</math> inch pipe 18 inches in ground and surrounded with a</p>

## MINERAL SURVEY NO. 4334

Feet .	substantial mound of earth and rock, with a 2 in. cast cap marked U.S. MINERAL SURVEY NO. 4334-H-2.
	Thence N. 18° 30' W.
100.00	Cross center of 10 ft. wash, course Northwesterly.
300.00	Lode line; discovery point bears N. 71° 30' E. 65 ft. dist.
497.00	Cross center of road, bearing Southwesterly and Northeasterly.
600.00	Cor. No. 3, Set a 2 $\frac{1}{2}$ ft. 3/4 inch pipe 18 inches in ground and surrounded with a substantial mound of earth and rock, with a 2 in. cast cap marked U.S. MINERAL SURVEY NO. 4334-H-3, from which The $\frac{1}{4}$ sec. Cor. of Secs. 2 and 11, T. 6 N. R. 4 E. bears N. 75° 14' 30" W. 612.20 ft. dist. Thence N. 71° 30' E.
532.78	Intersect the line bet. secs. 2 and 11, T. 6 N. R. 4 E. at a point from which the Cor. of Secs. 1, 2, 11 and 12 bears N. 89° 19' E. 1538.74 ft. dist. and the $\frac{1}{4}$ sec. cor. of Secs. 2 and 11 bear S. 89° 19' W., 1097.32 ft. dist.
850.00	Cross center of 15 ft. wash, course Northwesterly.
1178.00	Cross 1 in. pipe line, bears Northeasterly and Southwesterly.
1500.00	Cor. No. 4, Set a 2 $\frac{1}{2}$ ft. 3/4 in. pipe 18 inches in ground and surrounded with a substantial mound of earth and rock, with a 2 in. cast cap marked U.S. MINERAL SURVEY NO. 4334-H-4. Thence S. 18° 30' E.
226.00	Cross center of 5 ft. wash, course Westerly.
300.00	Lode line; discovery point bears S. 71° 30' W. 1435 ft. dist.
310.85	Intersect the line bet. secs. 2 and 11, T. 6 N. R. 4 E. at a point from which the cor. of secs. 1, 2, 11 and 12 bears N. 89° 19' E. 522.80 ft. dist.
402.00	Cross center line of abandoned aerial tramway bears Northeasterly and Southwesterly.
600.00	To Cor. No. 1, the place of beginning.

## MINERAL SURVEY NO. 4334

Feet	ALEXANDER LODE
	At Cor. No. 1, Set a $2\frac{1}{2}$ ft. $\frac{3}{4}$ in. pipe 18 inches in ground and surround with a substantial mound of earth and rock, with a 2 in. cast cap marked U.S. MINERAL SURVEY NO. 4334-A-1, from which The cor. of secs. 1, 2, 11 and 12, T. 6 N. R. 4 E. bears $S. 83^{\circ} 12' 30'' W.$ 636.72 ft. dist. Thence S. $18^{\circ} 30'$ E.
94.24	Intersect the line bet. secs. 1 and 12, T. 6 N. R. 4 E. at a point from which the cor. of secs. 1, 2, 11 and 12 bears $N. 88^{\circ} 47' W.$ 662.30 ft. dist.
300.00	Lode line; discovery point bears $S. 71^{\circ} 30' W.$ 312.78 ft. dist.
600.00	Cor. No. 2, identical with Cor. No. 1 Golden Reef lode of this survey. Set a $2\frac{1}{2}$ ft. $\frac{3}{4}$ in. pipe 18 inches in ground and surrounded with a substantial mound of earth and rock, with a 2 in. cast cap marked U.S. MINERAL SURVEY NO. 4334-A-2-GR-1. Thence S. $71^{\circ} 30'$ W.
45.00	Cross center of road, bears Northwesterly and Southeasterly.
100.00	Cross center of road, bears Northeasterly and Southwesterly.
867.48	Intersect the line bet. secs. 12 and 11, T. 6 N. R. 4 E. at a point from which the cor. to secs. 1, 2, 11 and 12 bears North 768.90 ft. dist.
1410.00	Cross center of 3 ft. wash, course Northwesterly.
1500.00	Cor. No. 3, identical with Cor. No. 4, Golden Reef lode and Cor. No. 2 Cottonwood lode, both of this survey Set a $1\frac{1}{2}$ ft. $\frac{3}{4}$ in. pipe 6 inches in rock in place and surrounded with a substantial mound of earth and rock, with a 2 in. cast cap marked U.S. MINERAL SURVEY NO. 4334-A-3-GR-4-C-2. Thence N. $18^{\circ} 30'$ W.
300.00	Lode line; discovery point bears $N. 71^{\circ} 30' E.$ 1187.22 ft. dist.
308.00	Cross center of road, bears Easterly and Westerly.
600.00	Cor. No. 4, identical with Cor. No. 1 Cottonwood lode, on line 1-2

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Feet	Homestake lode, both of this survey. Set a 1 ft. $\frac{3}{4}$ in. pipe 6 inches in rock in place with a mound of rock alongside, with a 2 in. cast cap marked U.S. MINERAL SURVEY NO. 4334-A-4-C-1. Thence N. $71^{\circ} 30'$ E.
10.80	Cross center of a 5 ft. wash, course Northwesterly.
378.80	Intersect Cor. No. 1 Homestake lode of this survey.
833.29	Intersect the line bet. secs. 11 and 12, T. 6 N. R. 4 E. at a point from which the cor. of secs. 1, 2, 11 and 12 bears North $136.24$ ft. dist.
928.00	Cross center of 5 ft. wash, course Northwesterly.
990.15	Cross center line of cut and tunnel, bears S. $51^{\circ} 48'$ E.
1237.05	Intersect the line bet. secs. 1 and 12, T. 6 N. R. 4 E. at a point from which the cor. of secs. 1, 2, 11 and 12 bears N. $88^{\circ} 47'$ W. $382.98$ ft. dist.
1500.00	To Cor. No. 1, the place of beginning.
GOLDEN REEF LODE	
	At Cor. No. 1, identical with Cor. No. 2 Alexander lode of this survey, from which The cor. to secs. 1, 2, 11 and 12, T. 6 N. R. 4 E. bears N. $59^{\circ} 02'$ W. $959.40$ ft. dist.
	Thence S. $18^{\circ} 30'$ E.
55.00	Cross center of road, bears Northwesterly and Southeasterly.
200.00	Cross center of road, bears Northeasterly and Southwesterly.
300.00	Lode line; discovery point bears S. $71^{\circ} 30'$ W. $240$ ft. dist.
600.00	Cor. No. 2, Set a $2\frac{1}{2}$ ft. $\frac{3}{4}$ in. pipe 16 inches in ground and surrounded with a substantial mound of earth and rock, with a 2 in. cast cap marked U.S. MINERAL SURVEY NO. 4334-GR-2. Thence S. $71^{\circ} 30'$ W.
300.00	NW. corner Apex lode, unsurveyed.
1068.25	Intersect the line bet. secs. 11 and 12, T. 6 N. R. 4 E. at a point

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Feet	from which the $\frac{1}{4}$ sec. cor. bears South 1237.20 ft. dist.
1350.00	Top of cliff, bears SE. and NW.
1500.00	Cor. No. 3, Set a $2\frac{1}{2}$ ft. $\frac{3}{4}$ in. pipe 16 inches in ground and surrounded with a substantial mound of earth and rock, with a 2 in. cast cap marked U.S. MINERAL SURVEY NO. 4334-GR-3. Thence N. $18^{\circ} 30'$ W.
27.00	Top of cliff, bears E. and W.
300.00	Lode line; discovery point bears N. $71^{\circ} 30'$ E. 1260 ft. dist.
600.00	Cor. No. 4, identical with Cor. No. 3 Alexander lode and Cor. No. 2 Cottonwood lode, both of this survey. Thence N. $71^{\circ} 30'$ E.
90.00	Cross center of 3 ft. wash, course Northwesterly.
632.52	Intersect the line bet. secs. 11 and 12, T. 6 N., R. 4 E., at a point from which the $\frac{1}{4}$ sec. cor. bears South 1869.86 ft. dist.
1400.00	Cross center of road, bears Northeasterly and Southwesterly.
1455.00	Cross center of road, bears Northwesterly and Southeasterly.
1500.00	To Cor. No. 1, the place of beginning.

COTTONWOOD LODE

	At Cor. No. 1, identical with Cor. No. 4 Alexander lode, on line 1-2 Homestake lode, both of this survey, from which The cor. of secs. 1, 2, 11 and 12, T. 6 N., R. 4 E. bears N. $63^{\circ} 07'$ E. 885.98 ft. dist. Thence S. $18^{\circ} 30'$ E.
292.00	Cross center of road, bears Easterly and Westerly.
300.00	Lode line; discovery point bears S. $71^{\circ} 30'$ W. 630 ft. dist.
600.00	Cor. No. 2, identical with Cor. No. 3 Alexander lode and Cor. No. 4 Golden Reef lode, both of this survey. Thence S. $71^{\circ} 30'$ W.
750.00	Cross center of 3 ft. wash, course Northwesterly.
1500.00	Cor. No. 3, Set a $2\frac{1}{2}$ ft. $\frac{3}{4}$ in. pipe 16 inches in ground and surrounded with a

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## MINERAL SURVEY NO. 4334

Feet	substantial mound of earth and rock, with a 2 in. cast cap marked U.S. MINERAL SURVEY NO. 4334-C-3.
	Thence N. 18° 30' W.
300.00	Lode line; discovery point bears N. 71° 30' E., 870 ft. dist.
600.00	Cor. No. 4, Set a 2 $\frac{3}{8}$ ft. 3/4 in. pipe 16 inches in ground and surrounded with a substantial mound of earth and rock, with a 2 in. cast cap marked U.S. MINERAL SURVEY NO. 4334-C-4.
	Thence N. 71° 30' E.
378.80	Intersect Cor. No. 2 Homestake lode of this survey.
557.80	Cross center of 10 ft. wash, course Northwesterly.
711.80	Cross 2 inch water pipe line, bears NNW. and SSE.
843.80	Cross center of road, bears Easterly and Westerly.
1500.00	To Cor. No. 1, the place of beginning.

## AREA

Total area Homestake lode 20.661 Acres

Area in conflict with:

The SE $\frac{1}{4}$  of Section 2, T. 6 N., R. 4 E.  
Arizona State School land 3.451 Acres

Total area Alexander lode 20.661 Acres

Total area Golden Reef lode 20.661 Acres

Total area Cottonwood lode 20.661 Acres

## LOCATION

This survey is located on parts of the SW $\frac{1}{4}$  of Section 1, the SE $\frac{1}{4}$  of Section 2, the NE $\frac{1}{4}$  of Section 11 and the NW $\frac{1}{4}$  of Section 12, T. 6 N., R. 4 E., Gila and Salt River Base and Meridian, Maricopa County, Arizona.

The corners of this survey are identical with the amended location corners of each lode.



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## EXPENDITURES

The improvements and the value of the labor and improvements made upon or for the benefit of the lode locations embraced in said mining claim by the claimant or her grantors are as follows:

## Homestake Lode

- No. 1 The discovery cut 6x10x7 ft. face bears N.71°30'E. 65 ft. from the 300 ft. point on line 2-3, Value \$ 100.00
- No. 2 A shaft 6x6x10 ft. deep bears N.34°03'E. 24 ft. from the 291.95 ft. point on line 2-3, Value \$ 180.00
- No. 3 The center of the Head of a cut 30x30x20 ft. face bears N.40°50'E. 317 ft. from the 291.95 ft. point on line 2-3, Value \$4500.00
- No. 4 The head of a cut 5x10x8 ft. face bears N.50°55'E. 323 ft. from the 291.95 ft. point on line 2-3, Value \$ 100.00
- No. 5 The mouth of a cut 6x10x6 ft. face bears N.63°43'E. 301.5 ft. from the 291.95 ft. point on line 2-3 Value \$ 90.00
- No. 6 The mouth of a cut 6x10x10 ft. face and tunnel 4x6x18 ft. long bears N.62°31'E. 321.7 ft. from the 291.95 ft. point on line 2-3 Value \$ 474.00
- No. 7 The head of a cut 6x20x8 ft. face and portal of tunnel bearing S.41°E. 5x7x140 ft. long, timbered and partially caved, bears N. 48°30'E. 447 ft. from the 291.95 ft. point on line 2-3 Value \$3915.00
- No. 8 The head of a cut 10x30x8 ft. face, caved, bears N.61°05'E. 487 ft. from the 291.95 ft. point on line 2-3 Value \$ 360.00
- No. 9 The mouth of a cut 6x18x10 ft. face and tunnel 6x8x25 ft. long bears N.72°04'E. 510 ft. from the 291.95 ft. point on line 2-3 Value \$1170.00
- No.10 The mouth of a cut 6x10x10 ft. face bears N.68°50'E. 375 ft. from Cor. No. 2 Value \$ 150.00

## Alexander Lode

- No. 1 Discovery point in No. 2 tunnel bears S.71°30'W. 312.78 ft. from the 300 ft. point on line 1-2
- No. 2 Cut 8x12.5x15 ft. face and tunnel 5x6x1400 ft. long bearing S.51°48'E. from the 990.15 ft. point on line 4-1, the tunnel portal being partially caved. Value \$9506.40
- No. 3 Tunnel 5x6x20 ft. long with drift 5x6x112 ft. long which connects with No. 4 tunnel at the 15 ft. point, bears S.85°30'W. 355 ft. from Cor. No. 2 Value \$2970.00
- No. 4 The mouth of a tunnel 5x6x140 ft. long bears S.80°53'W. 469 ft. from Cor. No. 2. This tunnel connects with the drift from No. 3 tunnel at the 15 ft. point and runs under No. 6 shaft on Golden Reef lode of this survey. The front 76 ft. of this improvement lying within this lode is assigned to this lode, Value \$1710.00
- No. 5 The head of a cut 8x16x14 ft. face bears N.36°50'E. 290 ft. from Cor. No. 3 Value \$ 448.00
- No. 6 The head of a cut 6x16x12 ft. face bears N.28°02'E. 233 ft. from Cor. No. 3 Value \$ 288.00

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No. 7	The head of a cut 6x16x12 ft. face bears N.24°30'E. 335 ft. from Cor. No. 3 Value \$ 288.00
Golden Reef Lode	
No. 1	The discovery point which bears S.71°30'W. 240 ft. from the 300 ft. point on line 1-2, said discovery point lying within workings the northeasterly end of which bears S.77°35'W. 198 ft. from the 300 ft. point on line 1-2 and extends southwesterly to the 320 ft. point on the lode line. The workings beginning at the northeast end consist of a pit or stope 4x25x25 ft. deep, 7x30x30 ft. deep and 10x30x30 ft. deep all connected underground with a trench 5x5x60 ft. long to the southwest end which connects with the upper end of No. 2 cut, Value \$13,800.00
No. 2	Cut the head of which bears S.71°30'W. 320 ft. from the 300 ft. point on line 1-2; cut is 20x50x5 ft. deep, Value \$ 2500.00
No. 3	The northeast end of a cut or trench 4x6x30 ft. long bears S.83°40'W. 144 ft. from the 300 ft. point on line 1-2 Value \$ 360.00
No. 4	The center of a pit 36x70x6 ft. deep bears S.48°40'W. 463 ft. from Cor. No. 1, Value \$7560.00
No. 5	The NE. corner of a pit 15x30x6 ft. deep bears S.63°45'W. 480 ft. from Cor. No. 1, Value \$1350.00
No. 6	A shaft 5x6x108 ft. deep bears S.65°20'W. 467 ft. from Cor. No. 1, and connects with No. 4 tunnel on Alexander lode of this survey, value of shaft \$3240.00, value of the 64 ft. of No. 4 tunnel \$1140.00, Total Value \$4680.00
No. 7	The mouth of a cut 6x12x10 ft. face bears S.48°50'W. 220 ft. from Cor. No. 1 Value \$ 180.00
No. 8	The mouth of a cut 6x12x8 ft. face and tunnel 5x6x40 ft. long bears S.26°05'W. 135 ft. from Cor. No. 1, Value \$1014.00
No. 9	The mouth of a cut 6x10x10 ft. face and tunnel 5x6x50 ft. long bears S.13°50'E. 125 ft. from Cor. No.1, Value \$1275.00
No.10	The mouth of a cut 8x20x10 ft. face bears S.13°07'E. 167 ft. from Cor. No. 1, Value \$ 400.00
Cottonwood Lode	
No. 1	The discovery cut 4x12x8 ft. face bears S.71°30'W. 630 ft. from the 300 ft. point on line 1-2 Value \$ 100.00
No. 2	The mouth of a cut 5x10x5 ft. face bears S.85°13'E. 613 ft. from the 378.80 ft. point on line 4-1 Value \$ 62.50
No. 3	The mouth of a cut 4x12x8 ft. face and tunnel 4x6x20 ft. long bears S.75°35'E. 630 ft. from the 378.80 ft. point on line 4-1 Value \$ 460.00
No. 4	The mouth of a cut 5x22x8 ft. face bears S.68°16'E. 512 ft. from the 378.80 ft. point on line 4-1 Value \$ 220.00
No. 5	The mouth of a cut 6x20x10 ft. face and tunnel 4x6x148 ft. long bears S.54°28'E. 528 ft. from the 378.80 ft. point on line 4-1 Value \$2964.00
No. 6	The mouth of a cut 6x27x10 ft. face and tunnel 4x6x36 ft. long bears S.45°07'E. 491 ft. from the 378.80 ft. point on line 4-1 Value \$1053.00

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- No. 7 The mouth of a tunnel 5x7x40 ft. long, caved, bears S.85°45'E. 395 ft. from the 378.80 ft. point on line 4-1 Value \$1050.00
- No. 8 The mouth of a tunnel 5x7x40 ft. long, caved, bears S.88°10'E. 390 ft. from the 378.80 ft. point on line 4-1 Value \$1050.00

## OTHER IMPROVEMENTS

The center of an old battery of ten stamps, the mill and bins being 16x20 ft. lying within Cut No. 3, bears N. 38°15'E. 327 ft. from the 291.95 ft. point on line 2-3 Homestake lode.

An 8 ft. diameter water tank bears N. 40°40'E. 350 ft. from the 291.95 ft. point on line 2-3 Homestake lode.

The SW. corner of a frame cabin 10x12 ft. bears N. 41°55'E. 460 ft. from the 291.95 ft. point on line 2-3 Homestake lode.

The SW. corner of a frame house 16x34 ft. bears N. 42°45'E. 512 ft. from the 291.95 ft. point on line 2-3 Homestake lode.

The lower end of an aerial tramway bears N. 48°30'E. 348 ft. from the 291.95 ft. point on line 2-3 Homestake lode.

A 2 inch pipe line furnishing water for the camp has been installed in No. 7 tunnel, Homestake lode.

A 2 inch pipe line furnishing water for mining purposes has been installed in No. 7 and No. 8 tunnels, Cottonwood lode.

An 8x8 ft. ore bin bears S. 55°10'W. 130 ft. from Cor. No. 1 Golden Reef lode.

## SUPPLEMENTAL DATA

The original stone corner common to Sections 1, 2, 11 and 12, T. 6 N., R. 4 E., could not be found, undoubtedly having been destroyed during the construction of the ore bin at the upper end of the aerial tramway.

The  $\frac{1}{4}$  corner stone common to Sections 2 and 11, was found properly set and marked, but does not conform in size and description to that called for in the official record.

The  $\frac{1}{2}$  corner stone common to Sections 1 and 12 was not found; however continuing East the original SE. and NE. corner respectively of said sections was found in place as described in the official record, although the total distance of the  $1\frac{1}{2}$  miles was found to be considerably short of that shown in the official record.

The  $\frac{1}{4}$  corner stones common to Sections 1-2 and 11-12 were found in place with the distance between them measured at 5277.52 ft. The  $\frac{1}{2}$  corner common to Sections 11 and 12 is described in the official record as being a granite rock in place 6 ft. x 18 ft. 12 inches above ground. The record is in error as the dimensions of said rock are in inches.

By using the double proportional method of restoring the section corner common to Sections 1, 2, 11 and 12, it was found that such a method did not fit the topography given in the official recorded field notes of the original survey, and would fall in the bed of a wash 34 ft. west of a point fixed by using the single proportion north and south and ignoring the east and west proportion. It was found that such a point fit very close to the original topography set forth in the official field note record, being 16.5 ft. north and 33 ft. east

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of a small wash running Northwesterly. Therefore, at that point a porphyry stone 5x12x24 inches long, marked with an X on top, with 1 notch on east face and 5 notches on south face, was set 16 inches in the ground with a mound of rock alongside.

The distance to the discovery point in the amended location notice of the Alexander lode is in error due to an incorrect bearing on the No. 2 tunnel. The correct distance is set forth in these field notes.

FIELD ASSISTANTS

Name	Capacity
J. D. Roeder	Instrument and chain
Walter V. Washburn	Chainman and flagman
Elwood R. Blakley	Chainman and axeman

MINI MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
~~GENERAL LAND OFFICE~~  
Bureau of Land Management

FINAL OATH OF MINERAL SURVEYOR

I, Harry E. Jones, Mineral Surveyor,  
do solemnly swear that, in pursuance of instructions received from the Office Cadastral  
Engineer, at Phoenix, Arizona, dated March 28, 1949,  
I have, in strict conformity to the laws of the United States, the official regulations  
and instructions thereunder, and the instructions of said Office Cadastral Engineer,  
faithfully and correctly executed the survey of the mining claim of  
Mrs. Maud L. Steele, known as the  
Homestake, Alexander, Golden Reef and Cottonwood,  
situate in Cave Creek Mining District,  
Maricopa County, Arizona, in Section S  
1, 2, 11, 12, Township No. 6 North, Range No. 4 East  
and designated as Survey No. 4334, 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 Office Cadastral Engineer  
with said instructions, and that all 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 im-  
provements made upon said mining claim by claimant or her  
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.

Harry E. Jones  
(Mineral Surveyor)

Subscribed and sworn to by the said Harry E. Jones,  
Mineral Surveyor, before me a Notary Public.

this 13th.  
day of June, 19 49

My commission expires April 7, 1951 Matthew J. Makaus,  
Notary Public.



CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF  
MINING CLAIM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
~~FEDERAL SURVEY OFFICE~~  
Division of Engineering

At Albuquerque, New Mexico

February 1, 1950

I, Office Cadastral Engineer at Albuquerque, New Mexico

do hereby certify that the forgoing and hereto attached Field Notes and return of the Survey of the  
Mining Claim of Mrs. Maud L. Steele

.....  
....., known as the

Homestake, Alexander, Golden Reef and Cottonwood lodes

situate in Cave Creek mining district,

Maricopa County, Arizona

in Sections 1, 2, 11, 12, Township No. 6 N., Range No. 4 E.

G. & S.R.M., designated as Survey No. 4334

executed by Harry E. Jones, Mineral

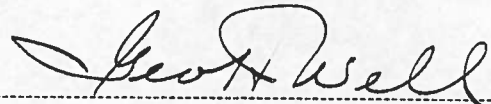
Surveyer, April 25, 1949 to May 24, 1949, 19 , under ~~my~~ instructions dated

March 28, 19 49, have been critically examined and the necessary

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

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

included and made a part of these field notes.

  
Geo. H. Well, Office Cadastral Engineer.

