

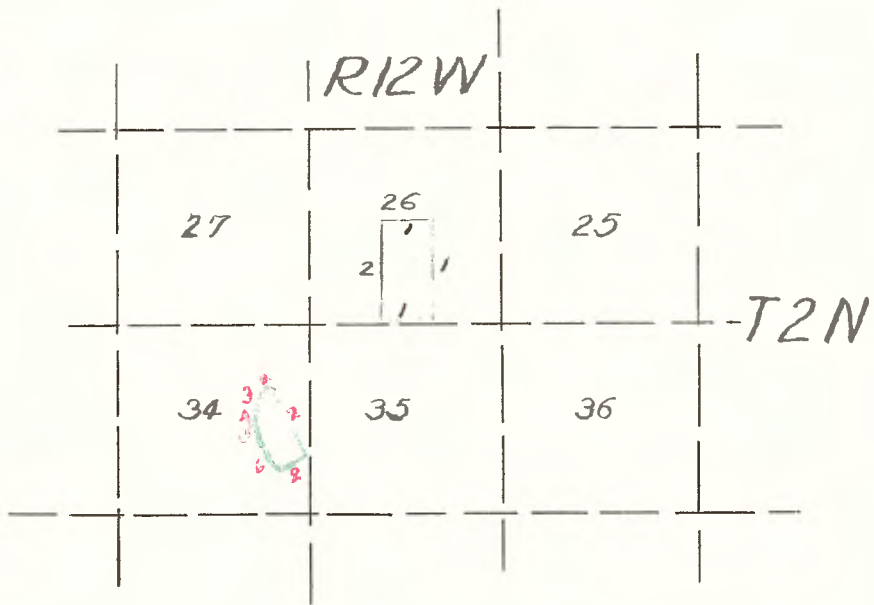
FIELD NOTES

of

80 Acre Tract of Alpine Tavern.

20 Acre Tract at Echo Mountain.

Copied from Notes loaned by Mr. L. Friel.



80 Acre Tract of Alpine Tavern.

For testing the Transit and Solar Apparatus, See Book A.

Aug. 10, at 8 h. 10 m. A. M. l.m.t., I set off $34^{\circ} 13'$ N. on the Lat. arc, $15^{\circ} 44'$ N. on the Decl. arc, and determine a meridian with the solar at Station 1.

Beginning at Sta. 1, which is a granite stone $24 \times 12 \times 12$ ins. $1\frac{1}{2}$ ins. in the ground, marked 1, P. E. Ry. Co., on NE. face and raised a mound of stone 2 ft. base, 2 ft. high, N.E. of corner. From corner
An Oak 8 ins. dia. bears N. $40^{\circ} 30'$ E. 45 lks. dist.
marked 1 P. E. R. Co., BT.

An Oak 10 ins. dia. bears S. 20° W., 11 lks. dist.
marked 1 P. E. R. Co., BT.

The $\frac{1}{4}$ corner of sections 26 and 35 bears S. $83^{\circ} 59' 15''$ E. 11.715 chains distant. Thence I run

EAST

Ascend.

- 1 52 Top of a ridge bears N & S. Descend.
- 5 46 Intersect line 2-3 of the Wanton Lode Survey No. 4237 of the Monitor Consolidated Lode Claims 4.30 chains S. of corner No. 3.
- 10 61 A trail from Alpine Tavern to Inspiration Point, course NW & SE.
- 14 55 Intersect line 1-4 of the Wanton Lode Survey No. 4237 of the Monitor Consolidated Lode Claims, 4.30 chains S. of corner No. 4.
- 20 00 A trail in Eaton's Canyon and Station 2.
Set a granite stone $24 \times 12 \times 10$ ins. $1\frac{1}{2}$ ins. in the ground for SE. corner of Tract, marked 2 P. E. R. Co., on NW. face and raised a mound of stone 2 ft. base 2 ft. high NW. of corner. From corner
An Oak 10 ins. dia. bears S. $28^{\circ} 15'$ E. 20 lks. dist.
marked 2 P. E. R. Co., BT.

Flag pole at summit of Mt. Lowe bears N. $5^{\circ} 15'$ E.

August 10, 1906.

Thence NORTH.

Descend.

- 1 14 Eaton Canyon trail, course E & W.
- 1 52 A branch of Eaton's Canyon 15 lks. wide, course E. Ascend.
- 8 94 Top of a spur, bears E. Descend.
- 15 45 A branch of Eaton's Canyon 20 lks. wide, course SE. Ascend
- 19 85 A trail, course E & W.
- 27 02 Intersect line 1-2 of the Demosthenes Lode Survey No. 4237 of the Monitor Consolidated Lode Claims, 3.50 chs. W. of corner No. 1.
- 27 58 Divide between Eaton's Canyon and Millard Canyon, course SE & NW.
Descend.
- 28 49 A trail to summit of Mt. Lowe.
- 31 82 A gulch, branch of Millard Canyon, 15 lks. wide, course SW. Ascend.
- 39 54 Top of a spur, bears W. Descend.
- 40 00 Sta. 3, 15 ft. S. of small ravine, a granite stone $30 \times 12 \times 8$ ins. $2\frac{1}{2}$ ins. in the ground for NE. corner of Alpine Tavern Tract, marked with 3 P.E.R. Co., on SW. face, and raised mound of stone 2 ft. base 2 ft. high, SW. of corner. From corner
An Oak 8 ins. dia. bears S. $43^{\circ} 30'$ W. 61 lks. dist.
marked 3 P.E.R.Co., BT.
An Oak 8 ins. dia. N. $11^{\circ} 30'$ W. 7.19 chs.
marked 3 P.E.R.Co., BT.

August 11, 1906.

Thence WEST along south slope of Mt. Lowe. Descend.

- 5 59 Intersect line 2-3 of the Demosthenes Lode Survey No. 4237 of the Monitor Consolidated Lode Claims, 9.74 chs. S. of corner No. 3.
- 14 70 A trail to Mt. Lowe, course NW & SE.
- 20 00 Sta. 4 set a granite stone $30 \times 12 \times 10$ ins. $2\frac{1}{2}$ ins. in the ground for NW. corner of Alpine Tavern Tract, marked 4 P.E.R.Co., on SE. face, and raised a mound of stone 2 ft. base and 2 ft. high SE. of corner. From corner

An Oak 8 ins. dia. bears S. 47° E. 81 lks. dist.
 marked 4 P.E.R.Co., BT.
 An Oak 8 ins. dia. bears N. 68° W. 32 lks. dist.
 marked 4 P.E.R.Co., BT.

August 13, 1906

Thence SOUTH

Descend
 3 89 Intersect line 3-4 of the Chopin Lode Survey No. 4237 of the Monitor consolidated Lode, 8.31 chs. E. of corner No. 3.
 3 15 A gulch 15 lks. wide, course SE. Ascend.
 8 00 To a point that is 55 feet west of extreme west point of trail to Rainbow Springs.
 12 98 Intersect line 1-2 of the Chopin Lode Survey No. 4237 of the Monitor Consolidated Lode, 8.31 chains E. of corner No. 2.
 23 80 A branch of Millard Canyon 20 lks. wide, course W. Ascend.
 29 24 P. E. Ry. track, course E. & W.
 32 13 A trail bears E. & W.
 36 82 Top of a ridge, bears E & W. Descend.
 40 00 To Sta. 1, the place of beginning.
 Land mountainous. Soil rocky, 4th rate. Dense undergrowth, scrub oak. Mountainous land 120 chains.

August 14, 1906.

 20 Acre Tract at Echo Mountain

For testing the Transit and Solar Apparatus, See Book A.

Aug. 17, at 8 h. 20 m. A.M. l.m.t., I set off 34° 12' N. on the Lat. arc. 13° 36' N. on the Decl. arc, and determine a meridian with the solar at Sta. 1.

Station 1. A point on the East line of the 200 foot right of way of the P.E.Ry.Co., from which point the corner common to sections 2, 3, 34 and 35, Tps. 1 and 2 N., R. 12 W., S. B.M., bears S. 33° 27' E., 16.11 chains distant.

Set a granite stone 30 x 12 x 6 ins. 22 ins. in the ground for SW. corner of 20 acre tract at Echo Mt., marked with 1 P.E.R.Co., on NE. face, and raised a mound of stone, 2 ft. base and 2 ft. high NE. of corner. Thence I run

N. 62° 10' E. Ascend

6 24 Top of a spur, bears E. and ascend trail to Echo Mt.
 7 575 Sta. 2, set a granite stone 30 x 16 x 8 ins. 22 ins. in the ground for SE. corner of 20 acre tract at Echo Mt., marked 2 P.E.R.Co., on NW. face, and raised mound of stone 2 ft. base and 2 ft. high NW. of corner. Thence I run

N. 28° W. Descend through thick brush.

9 17 A trail, course NW & SE.
 18 20 A wash, 15 lks. wide, course E. and ascend.
 24 20 A trail, course E. & W.
 25 29 A trail, course E. & W.
 27 32 A pipe line, course E. & W.
 28 03 Sta. 3, a granite stone 30 x 20 x 10 ins. above ground in place, marked with a cross at exact point of intersection, for the NE. corner of 20 acre tract at Echo Mountain, marked 3 P.E.R.Co., on East face, and raised mound of stone 2 ft. base, 2 ft. high, SW. of corner,

August 17, 1906

Thence S. 89° 30' W., Ascend

1 80 A trail, course N. & S.
 2 48 Top of ridge, bears N. & S. Descend
 3 08 A trail, course N. & S.
 3 60 A trail, course N. & S.
 4 19 The easterly line of the right of way of the P. E. Ry. Co.

Set a granite stone 18 x 12 x 12 ins. 12 ins. in the ground for NW. corner of 20 acre tract at Echo Mountain, marked 4 P.E.R.Co., on SE. face, and raised mound of stone 2 ft. base, 2 ft. high, SE. of corner.

Thence southeasterly, along easterly line of P.E.Ry.Co's right of way, on a chord to correspond with a curve to the right of 386.6 ft. radius.

S. 0° 37' W.

00 58 The end of said curve. Set a granite stone 18 x 8 x 8 ins. 12 ins. in the ground for corner on said southeasterly line, marked 5 P.E. R. Co., on E. face, and raised a mound of stone 2 ft. base, 2 ft. high E. of corner. Thence

S. 3° 27' W. on tangent.

00 669 Beginning of a curve to left of 130.4 ft. radius. Set a granite stone 20 x 10 x 4 ins. 15 ins. in the ground for corner on said southeasterly line, marked 6 P.E.R.Co., on E. face, and raised mound of stone 2 ft. base and 2 ft. high E. of corner.

August 18, 1906.

Thence on chord to correspond with said curve.

S. 10° 41' E.

00 224 The end of said curve. Set a granite stone 20 x 10 x 6 ins. in the ground for corner on said southeasterly line, marked 7 P.E.R.Co., on E. face, and raised mound of stone 2 ft. base, 2 ft. high, E. of corner. Thence

S. 24° 48' E. on tangent.

00 809 Beginning of a curve to the right of 386.6 ft. radius. Set a granite stone 20 x 10 x 8 ins. 15 ins. in the ground for corner on said southeasterly line, marked 8 P.E.R.Co., on E. face, and raised mound of stone 2 ft. base, 2 ft. high E. of corner. Thence on chord to correspond with a curve to the right of 386.6 ft. radius.

S. 22° 40' E.

00 407 To a point on curve.

S. 18° 24' E.

00 407 The end of said curve. Set a granite stone 20 x 12 x 6 ins. 15 ins. in the ground for corner on said southeasterly line, marked 9 P.E.R.Co., on E. face and raised a mound of stone 2 ft. base, 2 ft. high E. of corner. Thence

S. 16° 16' E. on tangent.

00 702 Beginning of a curve to the left of 138.8 feet radius. Set a granite stone 20 x 12 x 6 ins. 15 ins. in the ground for corner on said southeasterly line, marked 10 P.E.R.Co. on E. face and raised a mound of stone 2 ft. base, 2 ft. high E. of corner. Thence on chords to correspond with a curve to the left of 138.8 feet radius.

S. 20° 01' E.

00 274 The end of said curve. This station falls on the bank of a trail on a decomposed granite rock. Impracticable to raise a mound or mark a corner. I therefore drive an iron pipe 1 in. dia. and 18 ins. long, 12 ins. in the rock for corner on said southeasterly line.

August 20, 1906.

Thence S. 23° 45' E. on tangent.

00 506 Beginning of a curve to the right of 279.2 feet radius.
This corner falls in a trail. I drive an iron pipe 1 in. dia. 12 ins. long flush with the ground for corner on said southeasterly line, and raise a mound of stone 2 ft. base, 2 ft. high, 3 ft. W. of corner.
Thence on chords to correspond with a curve to the right of 279.2 feet radius.

S. 18° 59' E.

00 70 To a point on curve.

S. 9° 27' E.

00 70 The end of said curve.
Set a granite stone 20 x 9 x 9 ins. 15 ins. in the ground for corner on said southeasterly line, marked with 13 P.E.R.Co., on E. face, and raised a mound of stone 2 ft. base, 2 ft. high E. of corner.
August 22, 1906.

Thence S. 4° 41' E. on tangent.

00 467 Beginning of a curve to the left of 79.2 feet radius.
Set a granite stone 20 x 10 x 10 ins. 15 ins. in the ground for corner on said southeasterly line marked with 14 P.E.R.Co., on E. face and raised a mound of stone 2½ ft. base, 2 ft. high E. of corner.
Thence on chord to correspond with a curve to the left of 79.2 radius.

S. 10° 44' W.

00 253 End of said curve.
Set a granite stone 20 x 10 x 8 ins. 15 ins. in the ground for corner on said southeasterly line marked with 15 P.E.R.Co., on E. face and raised a mound of stone E. of corner.

Thence S. 16° 46' E. on tangent.

00 642 Beginning of a curve to the right of 816.2 ft. radius.
Set a granite stone 24 x 10 x 8 ins. 18 ins. in the ground for corner on said southeasterly line, marked 16 P. E.R.Co., on E. face, and raised a mound of stone 2 ft. base and 2 ft. high E. of corner.
Thence on chords to correspond with a curve to the right of 816.2 feet radius.

S. 15° 04' 30" E.

00 714 To a point on the curve.

S. 11° 47' 30" E.

00 714 The end of said curve.
Set a granite stone 24 x 14 x 12 ins. 18 ins. in the ground for corner on said southeasterly line, marked 17 P.E.R.Co., on E. face, and raised a mound of stone 2½ ft. base, 2 ft. high E. of corner.
August 23, 1906.

Thence S. 10° 09' E. on tangent.

1 253 Beginning of a curve to the right of 386.6 feet radius.
Set a granite stone 18 x 14 x 12 ins. 12 ins. in the ground for corner on said southeasterly line, marked with 18 P.E.R.Co., on E. face and raised a mound of stone 2½ ft. base, 2 ft. high E. of corner.
Thence on chords to correspond with a curve to the right of 386.6 feet radius.

S. 7° 19' E.

00 579 To a point on the curve.

- S. 1° 39' E.
- 00 579 The end of said curve.
Set a granite stone 30 x 12 x 6 ins. 22 ins. in the ground for corner on said southeasterly line, marked with 19 P.E.R.Co., on E. face and raised a mound of stone 2½ ft. base, 2 ft. high E. of corner.
August 25, 1906.
Thence S. 1° 11' W. on tangent.
- 00 708 Beginning of a curve to the left of 79.2 feet radius.
Set a granite stone 18 x 8 x 6 ins. 12 ins. in the ground for corner on said southeasterly line, marked 20 P. E.R.Co., on E. face, and raised mound of stone 2½ ft. base, 2 ft. high E. of corner.
Thence on chords to correspond with a curve to the left of 79.2 feet radius.
S. 6° 45' 45" E.
- 00 332 To a point on the curve.
S. 22° 39' 15" E.
- 00 332 The end of said curve.
Set a granite stone 22 x 14 x 8 ins. 17 ins. in the ground for corner on said southeasterly line marked 21 P.E.R.Co., on E. face and raised a mound of stone 2½ ft. base and 2 ft. high E. of corner.
Thence S. 30° 36' E. on tangent.
- 7 785 Beginning of a curve to the right of 458.2 feet radius.
Set a granite stone 24 x 12 x 8 ins. 18 ins. in the ground for corner on said southeasterly line, marked with 22 P.E.R.Co., on E. face, and raised a mound of stone 2½ ft. base, 2 ft. high E. of corner.
Old hotel foundation bears E. 55 feet.
August 31, 1906.
Thence on chords to correspond with a curve to the right of 458.2 feet radius.
S. 28° 26' 30" E.
- 00 521 To a point on the curve.
S. 24° 07' 30" E.
- 00 521 The end of said curve.
Set a granite stone 20 x 10 x 6 ins. 15 ins. in the ground for corner on said southeasterly line, marked with 23 P.E.R.Co., on E. face, and raised a mound of stone 2½ ft. base, 2 ft. high E. of corner.
Thence S. 21° 58' E. on tangent.
- 1 036 To a point.
Set a granite stone 20 x 8 x 8 ins. 15 ins. in the ground for corner on said southeasterly line, marked with 24 P.E.R.Co., on E. and raised mound of stone 2½ ft. base, 2 ft. high E. of corner.
This corner falls at foot of foundation of old hotel. Thence
S. 10° 58' E.
- 00 91 South side of foundation of old hotel.
1 055 To a point.
A granite stone, in place, 24 x 18 x 6 ins. above ground, marked with a cross at exact point of intersection for corner on said southeasterly line, marked with 25 P.E.R.Co., on E. face, and raised a mound of stone 2½ ft. base, 2 ft. high E. of corner.

Thence S. 28° E.

7 285

The point of beginning.
Land mountainous.
Soil rocky, 4th rate.
Dense undergrowth, scrub oak.
Mountainous land, 70.56 chains.

September 3, 1906.

General Description

The 20 and 80 Acre Tracts of land are located upon the southern slope of the Sierra Madre Mountains and is rough, mountainous land, covered with a dense undergrowth of scrub oak and white thorn.

Upon the 80 Acre Tract is located Alpine Tavern in the head of Millard Canyon.

Upon the 20 Acre Tract is located the Observatory, the Sub-Station and Hoisting Machinery for the Incline Railroad.

The 20 Acre Tract and Alpine Tavern, which is located upon the 80 Acre Tract, is connected by an Electric Railway, some four miles in length. The hoisting machinery located upon the 20 Acre Tract is at the upper terminus of the Incline Railway. The Incline Railway commences at Rubio Pavilion, is some 3000 feet in length and has a total rise of 1300 feet.