

DEPENDENT RESURVEY OF A PORTION OF THE EAST BOUNDARY:  
RESURVEY AND SURVEY OF A PORTION OF THE  
SUBDIVISIONAL LINES, COMPLETING THE SUBDIVISION OF  
TOWNSHIP 2 NORTH, RANGE 13 WEST, OF  
SAN BERNARDINO MERIDIAN.

Vol. 491:21-1 to 16  
John L. Warboys  
April-May 1935

Copied from notes on file in the  
U.S. Cadastral Engineer's Office,  
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pared by A. C. Johnson and W. H.  
Blackmer, August 10, 1936.

R.14W. R.13W.								R.13W. R.12W.	
T.3N. T.2N.								T.3N. T.2N.	
		6	5	4	3	2	1		
		7	8	9	10	11	12	7	
		18	17	16	15	14	13	17 16	
		19	20	21	22	23	24	19	
		30	29	28	27	26	25		
		31	32	33	34	35	36		
T.2N. T.1N.								T.2N. T.1N.	
R.14W. R.13W.								R.13W. R.12W.	

John L. Warboys

# RESURVEY OF A PORTION OF THE SUBDIVISION LINES OF T.2 N., R.13 W.

Vol. 491:21:1-16  
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Previous surveys and resurveys of the boundaries of Sections 13, 14, 15, T.2 N., R.13 W. are as follows:-- In 1875 William H. Norway, U.S. Deputy Surveyor, surveyed the South boundaries of Sections 13, 14, 15, the West boundary of Section 15, the East boundary of Section 13, the West 1/2 of the North boundary of Section 15, the South 3/4 mile between Sections 14 and 15, the South 1/2 between Sections 13 and 14, and established the  $\frac{1}{4}$  Section Corner between Sections 11 and 14. In 1896, Lewis H. Cutting, U.S. Deputy Surveyor, resurveyed the East boundary of Section 13. In 1908, Louis Ross, U.S. Deputy Surveyor, made a survey and resurvey extending across the North boundaries of Sections 13, 14, 15, and retraced the East boundary of Section 13. In 1925 William E. Heister, U.S. Surveyor, resurveyed the North boundaries of Sections 13 and 15.

From the true point for the corner of Sections 9, 10, 15 and 16 South on a random line between Sections 15 and 16.

40.00 No trace of the  $\frac{1}{4}$  Section Corner; set temporary corner

81.41 A point 196 links East of the corner of Sections 15, 16, 21 and 22 which is a tack in a stake 2 inches square flush with the ground ( with marker stake marked A 32 ) which has been set by the County Surveyor of Los Angeles Co. at the intersection of tract lines as determined from monuments found and identified as those shown in the county records.

At the exact point in place of the tack and stake

Set an iron post, 3 ft. long, 2 inches in diameter, 27 inches in the ground, for corner of Sections 15, 16, 21 and 22 with brass cap

T 2 N	R 13 W
S 16	S 15
S 21	S 22

1934

raise a mound of stone, 3 ft.

base, 3 ft. high, West of corner

Thence N. 1° 23' E. on a true line between Sections 15 and 16  
Over burned area, ascend Southeast slope 100 ft.

RESURVEY OF A PORTION OF THE SUBDIVISION LINES OF T.2 N., R.13 W.

4.90 Spur, slopes Southeast; descend slightly over northeast slope  
 7.40 Draw, course S. 30° E.; ascend southwest slope 60 ft.  
 9.40 Rocky spur, slopes Southeast; ascend southeast slope 45 ft.  
 12.40 Draw, course Southeast; continue ascending of southeast slope 245 ft.  
 17.85 Ridge bears N. 70° E. and S. 70° W.; descend northeast slope 325 ft.  
 25.60 Draw, course Northwest; descend northwest slope 20 ft.  
 28.90 Rocky spur, slopes Northwest; continue descending northwest slope  
 34.10 Trail bears Northeast and Southwest; descend northwest slope 30 ft.  
 35.60 Canyon, course S. 70° W.; ascend southwest slope 215 ft.

40.72 Set an Iron Post, 3 ft. long, 1 inch in diameter, 27 inches in the ground for  $\frac{1}{4}$  Section Corner with brass cap marked

$$\begin{array}{c} \frac{1}{4} \\ S\ 16 \quad | \quad S\ 15 \\ 1934 \end{array}$$

raise a mound of stone 3 ft.

base, 3 ft. high, west of corner.

40.90 Spur, slopes southeast; ascend southeast slope 35 ft.  
 44.30 Ravine, course S. 35° E.; ascend southwest slope 335 ft.  
 51.30 Spur, slopes S. 20° E.; ascend southeast slope 360 ft.  
 63.80 Head of draw, course S. 30° E.  
 64.50 Spur, slopes S. 30° W.; ascend southwest slope 260 ft.  
 77.60 Truck road, bears Southeast and West.  
 78.30 Draw, course Southwest; ascend southeast slope 310 ft.  
 81.44 True point for corner of Sections 9, 10, 15, 16

Set an Iron Post 3 ft. long, 2 inches in diameter, 12 inches in the ground to bedrock, in a mound of stone, 4 ft. base,  $1\frac{1}{2}$  ft. high, for corner of Sections 9, 10, 15, 16 with brass cap marked

$$\begin{array}{c} T\ 2\ N\ R\ 13\ W \\ S\ 9 \quad | \quad S\ 10 \\ S\ 16 \quad | \quad S\ 15 \\ 1934 \end{array}$$

from which

The witness corner of Sections 9, 10, 15 and 16 bears N. 89° 06' W. 304 links distant; a granite outcrop, 8 x 6 x 5 ft. above ground, marked as described in the official record.

U.S.G.S. Triangulation Station SISTER ELSIE, bears N. 10° 11' W. 10.52 chains distant; a brass tablet in boulder, approximate elevation 5051 ft., vertical elevation above section corner 320 ft. marked

RESURVEY OF A PORTION OF THE SUBDIVISION LINES OF T. 2 N., R. 13 W.

U.S. GEOLOGICAL SURVEY  
IN COOPERATION WITH  
LOS ANGELES COUNTY



U.S.F.S. Lookout Station, Mt. Lukens, elevation 4950 ft., bears  
N. 76° 18' E. 19.84 chains distant.

Bend in Sister Elsie trail, from Northwest to Southwest  
bears West 230 links distant; another bend in same trail, from East  
to Northwest bears west 330 links distant.

Land mountainous.

Soil, rocky, 4th rate.

No timber or brush on account of being in burned area.

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From a corner of Sections 14, 15, 22, 23

West on a random line between Sections 15 and 22.

40.29 A point 100 links South of the  $\frac{1}{4}$  Section Corner.

Thence from corner

West on a random line between Sections 15 and 22.

40.71 A point 49 links South of the corner of Sections 15, 16, 21 and 22.

Thence from the corner

S. 89° 19' E. on a true line between Sections 15 and 22.

Through burned area. Ascend southwest slope 20 ft.

0.52 An Iron Pipe 1 inch in diameter, 1 inch above ground, with marker  
stake alongside marked A 33. This point is on top of a small  
spur, sloping South.

Descend Southeast slope 95 ft.

2.80 Draw, course S. 30° E.; descend southeast slope 375 ft.

4.87 Stake, 2 inches square with tack, marker stake marked A 34. This  
point is on a small spur sloping Southeast.

9.80 Gulch, course South; ascend southwest slope 660 ft.

10.28 Stake, 2 inches square, with tack, marker stake marked A 35.

10.90 Old trail, bears Northeast and Southwest.

10.95 Stake, 1 x 2 inches, with tack, marked POT

RESURVEY OF A PORTION OF THE SUBDIVISION LINES OF T.2 N., R. 13 W.

- 22.58 An iron pipe, 1 inch in diameter, 1 inch above ground, with marker stake marked A 36. This point is on top of a ridge bearing North and South; descend southeast slope 210 ft.
- 24.09 A stake, 1 x 2, 6 inches above ground marked A 37.
- 27.30 Ravine, course S. 10° E.; ascend broken southwest slope 250 ft.
- 27.48 A stake, 1 x 2 inches, 6 inches above ground, with marker stake marked A 38.
- 34.83 A stake, 1 x 2 inches, 6 inches above ground, with marker stake marked A 39.
- 40.71 The  $\frac{1}{4}$  Section Corner, which is a granite stone, 12 x 9 x 5 inches, above ground, faintly marked  $\frac{1}{4}$  on north face, in an old mound of stone, 2 $\frac{1}{2}$  ft. base, 1 ft. high. In place of the old stone, which is set alongside

Set an Iron Post, 3 ft. long, 1 inch in diameter, 27 inches in the ground for  $\frac{1}{4}$  Section Corner with brass cap marked

$$\frac{1}{4} \quad \begin{array}{r} 8 \ 15 \\ 8 \ 22 \\ \hline \end{array}$$

1934 Raise a mound of stone, 4 ft.

base, 3 ft. high, north of corner, 8 ft. distant, S. 88° 34' E., on a true line between Sections 15 and 22.

Ascend Southeast slope 30 ft.

- 2.60 Trail, bears North and South.
- 2.90 Spur, slopes South; descend southeast slope 565 ft.,
- 3.30 Trail bears N. 30° E. to Sister Elsie Pk. (Mt. Lukens) and S. 30° W.
- 16.30 Gulch, course South; ascend west slope 360 ft.
- 22.30 Spur, slopes S. 30° West; ascend southwest slope 115 ft.
- 28.10 Spur, slopes South; descend southeast slope 170 ft.
- 33.90 Descend east slope 105 ft.
- 35.50 Canyon, course S. 10° W.; ascend east slope 195 ft.
- 37.90 Trail, bears North and South.
- 40.30 The point for the corner of Sections 14, 15, 22 and 23 which is reestablished by single prep. between the  $\frac{1}{4}$  Section Corner of Sections 14 and 23 and the  $\frac{1}{4}$  Section Corner of Sections 15 and 22 and at record distance (80.00 chains) in latitude from the point for corners of Sections 22, 23, 26 and 27.

RESURVEY OF A PORTION OF THE SUBDIVISION LINES OF T.2 N., R.13 W.

Set an iron post 3 ft. long, 2 ins. diam., 25 ins. in the crevice of a granite outcrop, 8 ft. high, for Corner of Sections 14, 15, 22, 23, with brass cap marked

T 2 N	R 13 W	
S 15	S 14	
S 22	S 23	from which
1934		

A cross (+) on face of granite outcrop on south edge of small steep ravine, course southwest, bears southeast 1/2 link distance.

The local corner of Secs. 14, 15, 22, 23, bears N. 76° 23' W. 23 1/4 links dist.; an iron pipe, 1 inch in diameter, 1 inch above ground, witnessed by a post 4 inches square, 7 ft. high, marked A 45.

Land mountainous.

Soil 4th rate

No timber or undergrowth on account of being in burned area.

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From the loc. corner of Sections 14, 15, 22 and 23

N. 4° 34' E.; 43.71 chains, Set Triang. flag A; thence

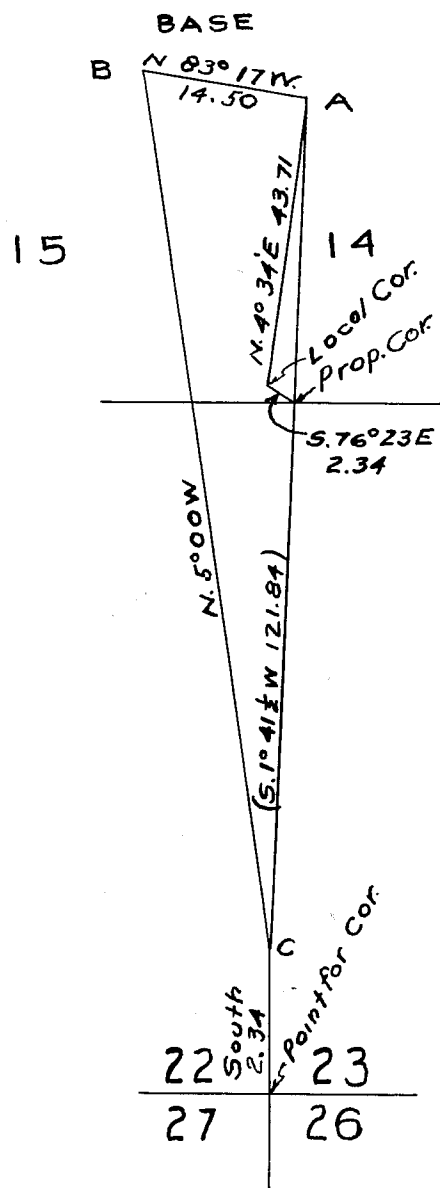
N. 83° 17' W. 14.50 chains, on a base line and set flag B,

From the point for corner of Sections 22, 23, 26, 27 determined from reference points, as the corner has been washed out,

N., 2.34 chains, and set Flag C, from which Flag A bears N. 1° 41-1/2' E. and Flag B bears N. 5° 00' W.

By triangulation from Flag A, to Flag C, I obtain S. 1° 41 1/2' W., 121.84 chains.

By traverse from the point for the corner of Sections 22, 23, 26, 27 to the reestablished corner of Secs. 14, 15, 22, 23, the



RESURVEY OF A PORTION OF THE SUBDIVISION LINES OF T.2 N., R. 13 W.

line between Secs. 22 and 23 is N. 1° 43' E. 80.04 chains.

All bearings checked by direct readings of solar, and all angles checked by several repetitions.

From the true point for the corner of Sections 10, 11, 14, 15 South on a random line between Sections 14 and 15.

40.00 No trace of the  $\frac{1}{4}$  Sec. Cor. found; set temporary corner.

78.92 A point 337 links E. of the corner of Sections 14, 15, 22 and 23;

Thence N. 2° 27' E. on a true line between Sections 14 and 15  
Over open, burned-over land; Ascend Southwest slope 100 ft.

4.00 Spur slopes West; descend northwest slope 80 ft.

9.00 Canyon; course S. 30° W.; Ascend southwest slope 125 ft.

10.00 Point of rocky spur, slope southeast; enter scattering fir and live oak timber; descend northeast slope 45 ft.

14.00 Same canyon, course S. 30° E.; Ascend broken southwest slope 700 ft.

29.60 Spur slopes S. 70° W.; leave timber; enter burned area.

31.30 Draw, course S. 70° W.; ascend south slope 100 ft.

33.10 Spur, slopes southwest; ascend southwest slope 120 ft.

35.30 Spur, slopes southwest.

38.40 Draw, course southwest; ascend south slope 45 ft.

39.49 Set an Iron Post, 3 ft. long, 1 inch in diameter, 15 inches in the ground to solid rock; supported by mound of stone, 2 ft. base, 1 ft. high, for  $\frac{1}{4}$  Section Corner, with brass cap marked

S 15  $\frac{1}{4}$  S 14      Raised a mound of stone  
1934  
2 $\frac{1}{2}$  ft. base, 1 $\frac{1}{2}$  ft. high, west of corner.

Ascend southwest slope 230 ft.

42.70 Truck road, bears N. 60° W. to Mt. Lukens and S. 60° E. to Angeles Crest Highway.

43.60 Trail bears N. 65° W. and S. 65° E.

44.60 Trail on ridge, both bear northwest and southeast; descend general northeast 445 ft.

45.30 Same trail bears northeast and southwest.

46.60 Saddle in center of ridge, bears northeast and southwest; enter

# RESURVEY OF A PORTION OF THE SUBDIVISION LINES OF T. 2 N., R. 13 W.

scattering oak timber and dense undergrowth, bears northeast and southwest.

- 47.80 Spur, slopes east
- 56.80 Spur, slopes N. 30° E.; descend north slope 345 ft.
- 67.30 Ravine, course N. 35° W.; ascend southwest slope 35 ft.
- 68.70 Rocky spur, slopes N. 70° W.; descend northwest slope 95 ft.
- 71.40 Draw, course N. 60° W.; ascend southwest slope 65 ft.
- 74.30 Spur, slopes N. 65° W.; descend northwest slope 130 ft.
- 78.99 True point for the corner of Sections 10, 11, 14 and 15.

Set an iron post, 3 ft. long, 2 inches in diameter, 30 inches in the ground, for corner of Sections 10, 11, 14, 15, with brass cap marked

T 2 N. R 13 W	
S 10	S 11
S 15	S 14
1934	

Raised a mound of stone,

5 ft. base, 4 ft. high, west of corner.

From this corner, the witness corner of Sections 10, 11, 14 and 15 hereinafter described, bears S. 86° 06' E., 8.35 chains distant

Land mountainous

Soil, rocky, 4th rate

Timber, scattering fir and oak

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From the corner of Sections 10, 11, 14 and 15

S. 86° 06' E. on a random line between Sections 11 and 14.

8.35 The witness corner of Sections 10, 11, 14, 15

Thence S. 88° 52' E., on a random line between Sections 11 and 14.

25,76 A point 10 links south of the witness  $\frac{1}{4}$  Section Corner; thence from corner S. 88° 52' E., on a random line between Sections 11 and 14.

6.27 Record distance for true point for  $\frac{1}{4}$  Section Corner, set temporary corner.

40.29 A point 12 links south of the witness corner of Sections 11, 12, 13, 14.

I return to the corner of Sections 10, 11, 14 and 15

Thence S. 86° 06' E. on a true line between Sections 11 and 14

RESURVEY OF A PORTION OF THE SUBDIVISION LINES OF T. 2 N., R. 13 W.

Through scattering timber and undergrowth; Ascend northwest slope 145 ft.

- 5.00 Spur, slopes N. 50° W.; descend northeast slope 50 ft.
- 7.40 Draw, course N. 30° W.; Ascend northwest slope 15 ft.
- 8.35 The Witness Corner of Sections 10, 11, 14, 15, which is a granite stone 6 x 6 x 8 inches above ground, marked and witnessed as described in Official Records.
- Thence S. 89° 05' E. on a true line between Sections 11 and 14.
- Descend northeast slope 190 ft.
- 5.80 Draw, course N. 10° E.; descend northeast slope 10 ft.
- 7.20 Spur, slopes North; descend northeast slope 100 ft.
- 9.60 Ravine, course N. 30° W.; Ascend northwest slope 215 ft.
- 17.13 A mound of stone, 5 ft. base, 1½ ft. high, bears south 9 links dist.
- 17.60 Ridge bears N. 10° E. and S. 10° W.; descend northeast slope 90 ft.
- 19.20 A mound of stone, 3 ft. base, 1½ ft. high, bears South 14 links dist.
- 21;30 Head of draw, course north.
- 22.40 Spur, slopes northeast; descend northeast slope 80 ft.
- 25.76 The Witness ¼ Section Corner, which is a granite stone, 14 x 10 x 8 inches, marked W C ¼ on north face, in old mound of stone 3 ft. base, 1 ft. high;
- Thence S. 89° 02' E. on a true line between Sections 11 and 14
- Descend northeast slope 70 ft.
- 1.40 Draw, course northeast; descend northeast slope 285 ft.
- 6.23 Proportionate distance between the Witness ¼ Section Corner of Sections 11 and 14 and the Witness Corner of Sections 11, 12, 13 & 14.
- Set an iron post 3 ft. long, 1 inch in diameter, 27 inches in the ground for ¼ Section Corner, with brass cap marked
- § 11

¼

§ 14

1934
- Raised a mound of stone, 3 ft. base, 3 ft. high, north of Corner.
- Descend northeast slope 290 ft.
- 16.50 Ravine, course northeast; Ascend northwest slope 75 ft.

# RESURVEY OF A PORTION OF THE SUBDIVISION LINES OF T. 2 N., R. 13 W.

- 19.90 Spur, slopes N. 20° E., with trail bearing N. 20° E. and S. 20° W.;  
Descend northeast slope 65 ft.
- 26.40 Gulch, 20 links wide, course northeast; ascend northwest slope 30 ft.
- 27.20 Spur, slopes northeast; descend northeast slope 10 ft.
- 30.20 Draw, course N. 20° E.; ascend slightly.
- 32.70 Truck road, bears N. 70° E. and S. 70° W.; descend northeast slope  
50 ft.
- 37.00 Ravine, course northwest, with small stream of water, 2 links wide.  
Ascend northwest slope 135 ft.
- 40.29 The Witness Corner of Sections 11, 12, 13 and 14, which is a  
granite stone 10 x 5 x 9 inches above ground, marked W C on east  
face, and 2 notches on south face, with remainder chipped off;  
witnessed by a mound of stone, 2½ ft. base, 1 ft. high, west of corner.  
Thence S. 85° 45' E. (record course) on true line between sections  
11 and 14.
- 0.40 Spur, slopes northwest; descend northeast slope 150 ft.
- 1.10 Pasadena Trail, bears N. 60° W. and S. 60° E.
- 4.70 Set an iron post, 3 ft. long, 2 inches in diameter, 27 inches in the  
ground for Corner of Sections 11, 12, 13 and 14, with brass cap  
marked

T 2 N	R 13 W
S 11	S 12
S 14	S 13
1934	

Raised a mound of stone 3 ft.

high, 3 ft. base, west of Corner.

From this Corner, the true point for Corner No. 5 of Home-  
stead Entry #204, bears S. 5° 55' E., 26.95 chains distant. The cor-  
ner monument being missing, the true point for Corner No. 5 was  
determined by measuring its record course and distance (N. 75° 07' W.,  
30 links dist.) from the oak bearing tree, which is 14 inches in  
diameter, marked as described in the Official Records. The true  
point for this corner is in roadway.

Since no trace of Corner #9 of this Homestead Entry could be  
found, it was impossible to make the required intersections.

RESURVEY OF A PORTION OF THE SUBDIVISION LINES OF T. 2 N., R. 13 W.

Land mountainous  
Soil rocky, 4th rate  
Timber, scattering fir and live oak, undergrowth oak, manzanita, chamisal and lilac.

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Thence south on a random line between Sections 13 and 14.

40.00 No trace of the  $\frac{1}{4}$  Section Corner found; Set temporary corner .

80;58 A point 163 links east of the corner of Sections 13, 14, 23 and 24

I return to the corner of Sections 11, 12, 13 and 14

Thence S.  $1^{\circ} 10'$  W. on a true line between Sections 13 and 14

Through scattering timber and dense undergrowth; descend northeast slope 5 ft.

0.70 Creek , 3 links wide, course N.  $20^{\circ}$  E.; ascend northeast slope 140 ft.

4.60 Spur, slopes southwest; descend southwest slope 15 ft.

6.20 Draw, course northwest; ascend northeast slope, 125 ft.

9.60 Spur, slopes N.  $70^{\circ}$  W.; descend southwest slope 30 ft.

11.70 Draw, course northwest; ascend northeast slope 90 ft.

14.10 Spur, slopes N.  $60^{\circ}$  W.; descend southwest slope 10 ft.

15.20 Draw, course N.  $70^{\circ}$  W.; ascend northeast slope 30 ft.

16.40 Spur, slopes N.  $80^{\circ}$  W.; descend southwest slope 25 ft.

17.30 Trail, bears N.  $60^{\circ}$  W. and S.  $60^{\circ}$  E.

21.20 Draw, course northwest; ascend northeast slope 205 ft.

25.30 Truck road, bears N.  $80^{\circ}$  W. and S.  $70^{\circ}$  E.

25.90 Truck road, bears N.  $80^{\circ}$  W. and S.  $70^{\circ}$  E.

28.00 Ridge bears N.  $75^{\circ}$  W. and S.  $60^{\circ}$  E.; Angeles Crest Camp, U.S. Civilian Conservation Corps, bears S.  $61\frac{1}{4}^{\circ}$  E.

Descend southwest slope 45 ft.

29.60 Draw, course southeast; ascend northeast slope 30 ft.

34.00 Angeles Crest Camp, U.S. Civilian Conservation Corps, bears S.  $66^{\circ} 42'$  E.

34.30 Spur, slopes east; descend southeast slope 30 ft.

34.60 Ravine, course N.  $60^{\circ}$  E.; ascend northeast slope 106 ft.

40.30 Set an iron post, 3 ft. long, 1 inch in diameter, 28 inches in the ground for  $\frac{1}{4}$  Section Corner, with brass cap marked

RESURVEY OF A PORTION OF THE SUBDIVISION LINES OF T.2 N., R.13 W.

$\frac{1}{4}$   
 S 14 | S 13  
 1934

Raised a mound of stone, 4 ft.

base, 3 ft. high, west of corner.

Ascend northeast slope 85 ft.

45.60 Angeles Crest Camp, U.S. Civilian Conservation Corps, bears  
S. 78° 21' E.

45.80 Spur, slopes east; descend southeast slope 185 ft.

48.20 Draw, course southeast; descend southeast slope 55 ft.

50.60 Spur, slopes southeast; descend southwest slope 295 ft.

55.10 Creek, 5 links wide, course southeast; ascend rocky northeast  
slope 365 ft.

63.00 Spur, slopes northeast; descend southeast slope 35 ft.

64.40 Draw, course northeast; ascend northwest slope 130 ft.

66.70 Ridge, bears N. 70° E. and S. 70° W.; descend southeast slope  
140 ft.

70.80 Ravine, course east; ascend northeast slope 30 ft.

71.60 Spur, slopes east; ascend northeast slope 25 ft.

73.00 Descend slightly.

74.90 Draw, course northeast; ascend northwest slope 245 ft.

79.10 Spur, slopes northeast; ascend northwest slope 50 ft.

80.60 The corner of Sections 13, 14, 23 and 24, which is a granite stone  
14 x 10 x 7 inches with faint, but intelligible markings, in an  
old mound of stone. In place of, and with the old stone alongside,

Set an iron post, 3 ft. long, 2 inches diameter; 30 inches  
in the ground for Corner of Sections 13, 14, 23 and 24, with brass  
cap marked

T 2 N    R 13 W  
 S 14 | S 13  
 S 23 | S 24  
 1934

Raised a mound of stone

4 ft. base, 2½ ft. high west of Corner.

Land mountainous  
Soil rocky, 4th rate  
Timber, scattering fir and live oak  
Undergrowth, oak, manzanita and chamisal

# RESURVEY OF A PORTION OF THE SUBDIVISION LINES OF T.2 N., R. 13 W.

From the Corner of Sections 14, 15, 22 and 23  
East on a random line between Sections 14 and 23.

40.24 A point 132 links north of  $\frac{1}{4}$  Section Corner.

Thence from Corner

East on a random line between Sections 14 and 23

41.03 A point 194 links north of the Corner of Sections 13, 14, 23 and 24;

Thence from Corner N.  $87^{\circ} 18'$  W. on a true line between Sections 14 and 23.

Through scattering timber and dense undergrowth; ascend north slope 345 ft.

17.00 Truck road and telephone line, bear N.  $10^{\circ}$  W. and S.  $10^{\circ}$  E.; leave dense brush and enter burned area.

17.70 Same truck road bears North and South.

18.40 Ridge, bears Northwest and Southeast; descend southwest slope 30 ft.

19.40 Draw, course South; ascend southeast slope 40 ft.

21.50 Enter U.S.F.S. Experimental Station for soil erosion tests, 25 links west, bears North and South.

23.10 Spur, slopes South; descend southwest slope 140 ft.

27.60 Ravine, course South; ascend southeast slope 45 ft.

31.40 Spur, slopes south; descend southwest slope 40 ft.

33.10 Draw, course South; ascend southeast slope 50 ft.

34.40 Descend southwest slope 90 ft.

39.50 Spur, slopes southwest; descend slightly.

41.08 The  $\frac{1}{4}$  Section Corner, which is a granite stone, 17 x 10 x 8 ins. above ground, marked  $\frac{1}{4}$  on north face, in a small mound of stone. In place of, and with old stone alongside

Set an iron post 3 ft. long, 1 inch in diameter, 27 inches in the ground, for  $\frac{1}{4}$  Section Corner, with brass cap marked

$\frac{1}{4}$   $\frac{S 14}{S 23}$   
1934

Raised a mound of stone, 3 ft.

base, 3 ft. high, north of corner.

# RESURVEY OF A PORTION OF THE SUBDIVISION LINES OF T.2 N., R.13 W.

Thence N. 35° 07' W., on a true line between Sections 14 & 23

Descend northwest slope 570 ft.

- 9.70 Ravine, course southwest; ascend southeast slope, 180 ft.
- 15.60 Spur, slopes southwest; descend southwest slope 125 ft.
- 21.70 Ravine, course southeast; ascend northeast slope 440 ft.
- 30.30 Trail, bears northwest and southeast.
- 31.80 Ridge, bears northwest and southeast; descend southwest slope 245 ft.
- 34.30 Draw, course southwest; descend southwest slope 20 ft.
- 37.20 Spur, slopes southwest; descend southwest slope 80 ft.
- 40.26 The Corner of sections 14, 15, 22 and 23

Land mountainous

Soil rocky, 4th rate

Timber, east  $\frac{1}{2}$  mile, scattering fig and live oak; none in remainder; undergrowth, east  $\frac{1}{2}$  mile, dense oak brush, manzanita, chamisal, lilac, burned area.

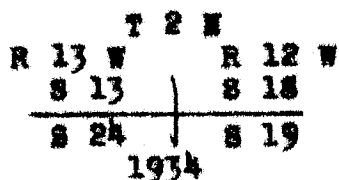
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From the corner of Sections 13, 14, 23 and 24

East on a random line between Sections 13 and 24

- 40.00 No trace of the  $\frac{1}{4}$  Section Corner found; set temporary corner.

- 77.64 A point 35 links south of the Norway (1875) Corner of Sections 13, 18, 19 and 24, on east boundary of Township, which is a granite stone, 16 x 14 x 6 inches, marked with 3 notches on north and south edges, 12 W 19 on southeast, faint but illegible markings on southwest, and weathered away on northeast and northwest faces, in a small mound of stone. In place of, and with old stone alongside, Set an iron post, 3 ft. long, 2 inches diameter, 26 inches in the ground, for Corner of Sections 13, 18, 19 and 24, T.2 N., R.12 & 13 W., with brass cap marked



Raised a mound of stone

$3\frac{1}{2}$  ft. base, 3 ft. high, west of corner.

RESURVEY OF A PORTION OF THE SUBDIVISION LINES OF T.2 N., R.13 W.

From this corner the Cutting (1896) Witness Corner No. 24 on boundary of San Gabriel Forest Reservation bears N. 11° 02' W. 3.24 chains distant; a cast iron post, 4 inches square, 28 inches above ground, filled with concrete, marked with letters cast in iron S G F R 24, T 2 N S 7 on northeast, R.12 W S 18 on southeast, R 13 W S 13 on southwest and S 12 on northwest faces.

From this same corner, the Cutting (1896) Corner of Sections 13, 18, 19 and 24, bears S. 2° 31' W., 14.67 chains distant, and at an elevation of 655 ft. lower; a granite stone 14 x 8 x 10 inches above ground, marked with 3 grooves on north and south faces and S G F R on east face.

Thence from the Corner of Sections 13, 18, 19 and 24 S. 89° 44' W. on a true line between Sections 13 and 24 Through scattering timber and dense undergrowth; descend southwest slope 580 ft.

- 4.80 Truck road, bears N. 65° E. and S. 65° W.
- 15.70 Power line , bears north and south.
- 18.10 Trail, bears N. 30° W. and S. 30° E.
- 18.20 Southeast corner of stone cabin 30 x 16 ft., bears north, about 1¼ chains distant.
- 19.00 Creek 5 links west, course S. 30° E.; Ascend southeast slope 150 ft.
- 20.50 Southwest Corner of frame house 20 x 16 ft.
- 21.90 Power line bears N. 30° E. and S. 30° W.
- 24.40 Spur, slopes northeast; ascend slight northeast slope.
- 26.40 Dr., course northeast; ascend east slope 215 ft.
- 27.60 Old road and telephone line, bear N. 20; W. and S. 20° E.
- 30.20 Slope of spur changes from east to northeast.
- 37.49 Set an iron post 3 ft. long, 1 inch in diameter, 28 inches in the ground , for witness ¼ Section Corner, with brass cap marked

$$\begin{array}{r} \text{H} \\ \text{C} \end{array} \frac{1}{4} \frac{\text{S } 13}{\text{S } 24}$$

1934 Raised a mound of stone 3 ft.

base, 2 ft. high, north of corner.

RESURVEY OF A PORTION OF THE SUBDIVISION LINES OF T.2 N., R.13 W.

From this corner Angeles Crest Camp, U.S. Civilian Conservation Corps, bears N.  $27^{\circ} 22'$  east.

Descend 25 ft.

38.30 Angeles Crest Highway, 14 ft. wide, bears northwest and southeast.

38.82 True point for  $\frac{1}{4}$  Section Corner, falls in deep rock cut along highway, impracticable to set a permanent corner.

Ascend general southeast slope 405 ft.

45.90 Spur, slopes southeast.

51.40 Draw, course northeast.

55.30 Spur, slopes N.  $20^{\circ}$  E.; descend northwest slope 80 ft.

59.60 Trail, bears northeast and southwest.

59.90 Ravine, course S.  $30^{\circ}$  E.; ascend general east slope 745 ft.

66.50 Spur, slopes north

69.80 Spur, slopes north

71.10 Draw, course northeast.

75.60 Spur, slopes N.  $70^{\circ}$  E.

77.64 The corner of Sections 13, 14, 23 and 24.

Land mountainous.

Soil rocky, 4th rate.

Timber, scattering fir and live oak; undergrowth, oak brush, manzanita, chamisal and lilac.

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RESURVEY OF A PORTION OF THE EAST BOUNDARY OF T.2 N., R.13 W.

From the corner of Sections 13, 18, 19 and 24 on east boundary of Township.

North on a random line between Sections 13 and 18.

40.00 Set temporary  $\frac{1}{4}$  Section Corner

79.65 A point 42 links east of the Witness Corner of Sections 7, 12, 13 and 18, which is a granite stone, 24 x 20 x 8 inches above ground, marked and witnessed as described in the official record. At the true point for corner, which is 10 links west of the Witness Corner

Set an iron post, 3 ft. long, 2 inches diameter, 24 inches in the ground to solid rock, in a mound of stone, to top, for corner of Sections 7, 12, 13 and 18, with brass cap marked

T 2 N	
R 13 W	R 12 W
S 12	S 7
S 13	S 18
1934	

No other suitable accessory available.

Thence S. 0° 23' E. on a true line between Sections 13 and 18 Through scattering timber and dense undergrowth; Descend southwest slope 440 ft.

4.20 Old Southern California Edison Co. Rd. bears N. 70° W. and S. 70° E.  
 5.09 Southern California Edison Co. power line tower, at angle point in line on top of ridge bears N. 77° 36' E.  
 5.65 Telephone line bears N. 70° W. and S. 70° E.  
 8.50 Spur, slopes southwest; descend southeast slope 390 ft.  
 14.10 Descend southwest slope 145 ft.  
 16.60 Angeles Crest Highway, bears S. 50° W. and S. 65° E.; also ravine, course southwest; ascend slightly  
 16.85 Same power line tower, bears N. 28° 29' E.

A U.S.G.S. triangulation station, bears N. 44° 43' E. 13.26 chains distant; a brass tablet set in rock outcrop on the top of spur, slopes southeast, marked

U.S. Geological Survey  
 In Co-operation with Los Angeles County

RESURVEY OF A PORTION OF THE EAST BOUNDARY OF T. 2 N., R. 13 W.

Descend southwest slope 210 ft.

- 23.20 Draw, course west; ascend slight northwest slope.
- 24.00 Spur, slopes west; descend southwest slope 140 ft.
- 30.10 Creek, 2 links wide, course S. 60° W.; ascend northeast slope 15 ft.
- 32.00 Small spur, slopes east; descend southeast slope 90 ft.
- 33.90 Creek, 5 links wide, course southeast; ascend northwest slope 135 ft.
- 39.20 Spur, slopes southwest; descent 10 ft.
- 39.82 Set an iron post, 3 ft. long, 1 inch in diameter, 28 inches in the ground for  $\frac{1}{4}$  Section Corner, with brass cap marked

$\begin{array}{c} \frac{1}{4} \\ S\ 13 \quad \frac{1}{4} \quad S\ 18 \\ 1934 \end{array}$

Raised a mound of stone, 4 ft.

base, 3 ft. high, west of corner.

Descend 15 ft.

- 40.50 Head of draw, course west; Ascend 5 ft.
- 41.50 Spur, slopes west; descend south slope 305 ft.
- 50.90 Ravine, course west; ascend northwest slope 50 ft.
- 53.00 Spur, slopes west; descend west slope 55 ft.
- 56.40 Spur, slopes southwest; descend southeast slope 215 ft.
- 60.50 Creek, 5 links wide, course S. 60° E.; ascend northwest slope, 195 ft.
- 63.60 Spur, slopes northeast; descend southeast slope 40 ft.
- 70.10 Draw, course northeast; ascend northeast slope 215 ft.
- 74.20 Same power line tower, bears N. 5° 32' E.
- 74.30 Truck road, bears northwest and southeast.
- 76.60 Ridge, bears N. 60° W. and S. 60° E., with firebreak;  
Descend southwest slope 95 ft.
- 76.65 A Southern California Edison Co. power line tower bears east, 43 lks.  
distant.
- 79.65 The corner of Sections 13, 18, 19 and 24.

Land mountainous  
 Soil, rocky, 4th rate  
 Timber, fir and live oak; undergrowth, oak, manzanita, chen-  
 isal and lilac.

RESURVEY OF A PORTION OF THE EAST BOUNDARY OF T.2 N., R. 13 W.

In order to make a check on the discrepancies in the surveys made by Cutting in 1896 and Ross in 1908, I proceed as follows:

From data obtained from the Pasadena Water Dept., who also obtained the data from the U.S. Forest Service and the Southern California Edison Co., I found that the east boundary of T.2 N., R.13 W., has been measured several times (with very good agreement, in the measurements) between the various Cutting corners. This led me to believe that there were two sets of corners, along this boundary, and resulted in the finding of the Norway corner of Sections 13, 18, 19 and 24. The data obtained indicated that Norway and Cutting both began at the same southeast corner of the township, and that Cutting fell a little shorter on each mile as the country became rougher to the north. The Cutting corners having been set later, and consequently were in better condition, were tied by the Southern California Edison Co., in their power line surveys.

I then proceeded to the point for the Cutting corner of Sections 7, 12, 13 and 18 and found it to fall in a heavy rock out on the Angeles Crest Highway, where a corner would be destroyed in making a cut. A point on top of the divide between the waters of the Arroyo Seco and Tujunga Creeks, west of the point for the Cutting corner of Sections 7, 12, 13 and 18, falls on top of a small conical hill and just to the southeast of a higher conical hill, which is also on the divide. This point bears N. 19° 20' W. (complement of the angle, instead of N. 70° 40' W.) from the square iron post Witness Corner No. 24 of the San Gabriel Forest Reservation and gives a distance of 21.40 chains (instead of 2 miles 13.85 chains) and agrees very well with the distances given by Ross in 1908 (18.84 chains) and Heister in 1926 (22.90) chains) on the line between Sections 12 and 13, which is about 15 chains to the north.

It is also quite probable that Cutting did not lay off the base of 3.83 chains west of the iron post witness corner No. 24 S G F R, but that he went a little to the north, where he was able to get a point for the west end of his base line on top of the ridge. To do

## RESURVEY OF A PORTION OF THE EAST BOUNDARY OF T. 2 N., R. 13 W.

this, he would have to go only 250 or 260 links north of the iron post, and it would have simplified the writing of the field notes to eliminate the short distance from the iron post.

I did not make any further search for the cutting corners west of the east boundary of T. 2 N., R. 13 E., consequently I do not know the relationship between such of these that may be found.

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### General Description

The land in Sections 13, 14 and 15 T. 2 N., R. 13 W. is rough, steep and rugged mountains in the Sierra Madre Range and lies to the north of Los Angeles, and to the northwest of Pasadena. Elevations range from about 2400 to 5100 ft. above sea level.

The soil is very rocky, with gravel and large boulders in many places, with a thin covering of sand and light loam.

There is no commercial timber, but there are scattering small stands of live oak and fir in the canyons in Section 13. The undergrowth is a dense, matted, growth of chamisal, oak brush, wild lilac, sumac and some scattering manzanita.

The South and Southwest slopes of Sister Elsie Peak (Mt. Lukens) were burned almost clean in the big fire of November 1933.

The Angeles Crest Highway passes through Section 13. A number of truck roads (for fire prevention purposes) have been built, or were being built, by the Civilian Conservation Corps.

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RESURVEY OF A PORTION OF THE EAST BOUNDARY OF T. 2 N., R. 13 W.

Approval

Office of U.S. Supervisor of Surveys  
Denver, Colo., June 15, 1935.

The foregoing field notes of the dependent resurvey of a portion of the east boundary; resurvey and survey of a portion of the subdivisional lines, completing the subdivision of Township 2 N, R. 13 W. of the San Bernardino Meridian in the State of California, executed by John L. Warboys, U.S. Cadastral Engineer, under his special instruction dated June 10, 1924, having been critically examined and the necessary corrections and explanations made, the said field notes, and the surveys and resurveys they describe are hereby approved.

Frank M. Johnson  
U.S. Supervisor of Surveys.

Dept. of the Interior  
General Land Office  
Washington, D. C.,  
Jan. 31, 1936.

The survey represented by this plat, having been correctly executed in accordance with the requirements of law, and the regulations of this office, is hereby accepted.

Antoinette Funk  
Assistant Commissioner.