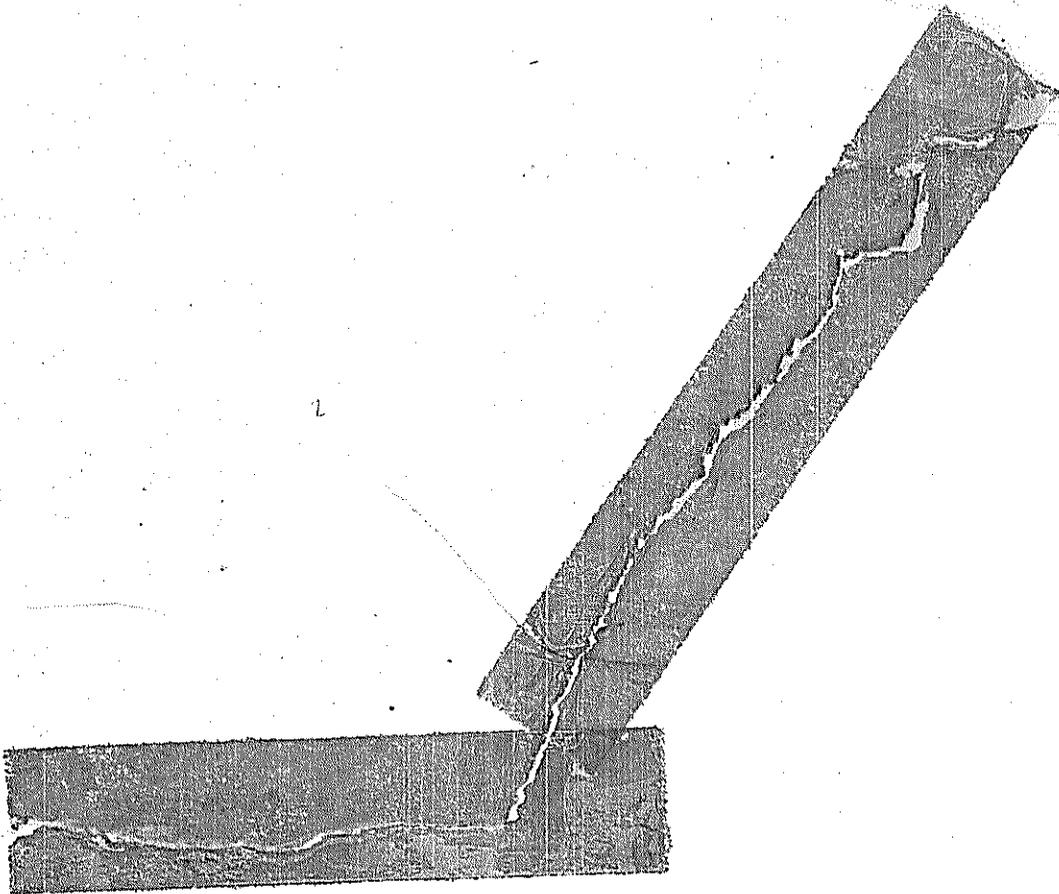


San Bernardino Base Line

South Boundary of Township 1 North, Ranges 13 & 14 West



		R. 14 W.						R. 13 W.							
		30	29	28	27	26	25	30	29	28	27	26	25		
T. 1 N.		31	32	33	34	35	36	31	32	33	34	35	36	T. 1 N.	
T. 1 S.		6	5	4	3	2	1	6	5	4	3	2	1	T. 1 S.	
		7	8	9	10	11	12	7	8	9	10	11	12		

San Bernardino Base Line
South Boundary of Townships 1 North, Ranges 13 & 14 West.

West 6th. mile on S. Boundary of T. 1 N., R. 12 W.

80.00 Charred Oak stake and Sycamore Post in a mound of earth, corner to T. 1 N., R. 12 W., S. 31- T. 1 N., R. 13 W. S. 36-

T. 1 S., R. 12 W., S. 6, T. 1 S. R. 13 W. S. 1,

from which the center of 4 pits bear N. 45°E. 11 lks. S. 45°W.

11 lks. N. 45° W. 11 lks. S. 45°E. 11 lks.

Planted 4 olive seed.

First $\frac{1}{2}$ mile chiefly 2nd rate.

Rolling open prairie, with wild sage bushes-Residue 1st rate-
moderately wavy - Open prairie.

Variation 13°45'E.

Note-

From the last Township corner the N.E. cor. of a Mexican Rancho bears S. 78°W. name un-known- 30th. Dec. 1852.

Note:

The variation of the needle ascertained on night of 1st. January 1853- 70 chs. East of S.E. cor. of T. 1 N., R. 13 W. Found to be 13°35'E.

West 1st mile on S. Boundary of T. 1 N., R. 13 W.

Variation of needle 13°35'E.

2nd January 1853.

14.00 Passed north of Mexican Rancho noted at the last Township corner

36.50 Crossed wagon road leading from the Settlement to Los Angeles course N. 75°W.

40.00 Charred Oak stake and Sycamore $\frac{1}{4}$ Sec. Post, in a mound of earth, from which the center of 4 pits bears north 10 lks., south 10 lks., East 10 lks., West 10 lks.

Planted 4 olives.

80.00 Charred stake of Sycamore, and a charred sycamore post, in a mound of earth, from which the center of 4 pits bears N. 45°E. 11 lks., S. 45°W. 11 lks., N. 45°W., 11 lks., S. 45°E. 11 lks. being a corner to secs. 35 & 36, T. 1 N., R. 13 W.

Secs. 1 & 2, T. 1 S., R. 13 W., Planted 4 olives, wavy prairie,
some parts low 1st rate.

Last mile rich open Prairie- Good grazing & grain- Chiefly wavy.

Note:

The line runs thro. a narrow valley about 40 chs. wide, be-
tween high hills, on the north and south.

West, 2nd mile on S. Boundary of T.1 N., Range 13 W.

20.00 To north side of high Prairie hills, the valley bears N 70°W.

40.00 Charred Sycamore stake and charred sycamore $\frac{1}{4}$ sec. Post in a mound
of earth from which center of 4 pits bear north 10 lks., south
10 lks. - East 10 lks. West 10 lks. - Planted 4 olives.

76.80 Crossed Branch 3 lks. wide, course N.W.

80.00 Set charred Sycamore stake and charred Sycamore Post in a mound
of earth, corner to secs. 34 & 35, T.1 N., R. 13 W.

Ss. 2 & 3, R.1 S., R.13 W. from which the center of 4 pits bear N.45°E.
11 lks. S.45°W. 11 lks., N. 45°W. 11 lks.

S. 45° E. 11 lks. Planted 4 olives.

First 20 chs. rich wavy Prairie, some parts low- 1st. rate-Residue
2nd rate- hilly open Prairie. Good grazing & grain land.

Variation of the needle 13°35'E.

West 3rd mile on S. Boundary of T.1 N., R. 13 W.

19.30 To Branch 6 lks. wide- and down it

21.00 Cross Branch, course S. 80°W. to wavy prairie.

39.15 To Branch 4 lks.wide, course S. 10° E.

39.95 Cross waggon road -leading from settlement to Los Angeles, Course
S.W. to hilly rich prairies.

40.00 Charred stake (Sycamore) and charred willow $\frac{1}{4}$ sec. post in mound of
earth from which the center of 4 pits bears north, 10 lks. south
10 lks., East 10 lks. West 10 lks.

Planted 4 Olives.

Note:-

Established the last $\frac{1}{4}$ sec. post at 40.10 on account of the road.

80.00 Set charred sycamore stake and willow post in a mound of earth from which the center of 4 pits bear N. 45° E. 11 lks., S. 45° W.

11 lks., N. 45° W. 11 lks., S. 45° E. 11 lks.

Planted 4 olive seed.

Last mile hilly and moderately wavy.

2nd rate open Prairie good grazing and grain land- Last $\frac{1}{2}$ mile being almost entirely hilly.

West 4th mile on S. boundary of T.1 N., R.13 W. being on the East margin of beautiful valley mostly level.

40.00 Charred sycamore stake and charred sycamore $\frac{1}{4}$ sec. post in a mound of earth, from which the center of 4 pits bear North 10 lks.

south 10 lks. East 10 lks.- West 10 lks.

Planted 4 olives.

51.00 Cross Road leading from settlement to Los Angeles- Course south

80.00 Charred sycamore stake and Elder post in mound of earth to secs. 33 & 32, T.1 N., R.13 W. Secs. 4 & 5, T.1 S., R.13 W. from which the center of 4 pits bear N. 45° E. 11 lks., S. 45° W. 11 lks.,

N. 45° W. 11 lks., S. 45° E. 11 lks.

Planted 4 olives.

Last mile mostly level good 2nd rate open prairie-light soil, good farming and grass land.

Note:-

Mexican Rancho, name un-known in the valley about 10 chs. west of hills, bears S. $50^{\circ}30'$ E. Another Mexican Rancho bears- Name unknown bears S. $34^{\circ}30''$ E.

No appearance of cultivation.

West 5th mile on S. Boundary of T. 1 N., R. 13 W.

- 39.80 To open pond, extending north about 100 lks. and south about 200 lks.
40.00 $\frac{1}{4}$ Sec. cor. falls in pond, cannot be established here.
40.30 Crossed Pond.
40.50 Set charred Sycamore stake and Elder $\frac{1}{4}$ Sec. Post in a mound of earth, whence bears the center of 4 pits- north 10 lks.- south 10 lks. East 10 lks.- West 10 lks.
Planted 4 Olives.
50.10 To large ditch, course N.25°W. S.25°E.
57.50 To low bottom land from bank about 8 ft. high.
59.20 To Los Angeles River, General course S. 20°E.
60.00 Cross stream 12 inches deep, current strong.

Land Bottom.

- 62.80 Cross ditch nearly N. & S. to high bluff
63.80 Rise to top of Bluff about 15 ft. high
76.00 Cross Road, supposed to lead from Los Angeles to Santa Barbara course S. 15° E.
77.50 To high rugged hills-the mountain Ridge bears N.5°W. & S.15°E.
80.00 Charred Sycamore stake and Elder post in a mound of earth, on the top of hill (a spur of the mountain, making N.E.) estimated height above the valley 200 feet from which bears, being corner to Secs. 31 & 32, T.1 N, R.13 W. Ss.5 & 6, T.1S., R.13 W. the center of 4 pits N.45°E. 11 lks. S.45°W. 11 lks. N.45°W. 11 lks., S.45°E. 11 lks. Evergreen Red Oak N.57°30"E.
74 lks.-17 in. dia.
No other bearing tree convenient.

Note:- From the last corner two Mexican Ranchos observed from the 4th mile post, bears S.68°15'E. S.75°15'E. Another small Rancho very near the hills, in Prairie, bears S.22'E. (could not be seen from the line to the east) very nearly 35 chs. distant- the distance being partly measured.

General course of the valley as seen to the southward bears S.47°E. about 4 miles.

Last mile run (5th mile) on S. Boundary T.1 N., R. 13 W. mostly level and moderately wavy.

2nd rate open Prairie.

West 6th mile on S. Boundary of T.1 N., R. 13 W.

40.00 Charred sycamore stake and elder

$\frac{1}{4}$ Sec. Post in mound of earth from which the center of 4 pits bears north 10 lks., south 10 lks., east 10 lks., west 10 lks. being on the top of a very high mountain ridge, estimated elevation above the valley below upwards of 1000 feet

From the last corner—an evergreen scrub Red Oak bears S. 59°W. 224 lks. 5 in. dia.

No other bearing trees convenient.

Planted 4 olive seed.

80.00 Set charred stake, and 4 stones under the surface of the earth (stones weighing about 2 lbs. each) and threw up a mound of earth, on the east side of a rugged spur of the mountain-Ridge in which mound was set a willow post corner to T.1 N., R.13 W., S. 31

T. 1 N., R. 13 W. S. 31

T. 1 N., R. 14 W. - 36

T. 1 S., R. 13 W. 6

T. 1 S., R. 14 W. 1

from which corner, center of 4 pits bear N 30° E., 10 lks. N.30°W. 10 lks., S. 30°W. 9 lks., S. 65° E. 10 lks.

Evergreen scrub Red Oak S.11°W. 576 lks. 12 in. dia.

Swamp Dogwood S.5°30'E. 1065 lks. 3 in. dia.

No other bearing tree convenient.

Last mile mostly rugged spur of the mountain Range with a scrub growth, most of the way. 3rd rate mostly unfit for cultivation

Note:-

The variation was carefully ascertained on the night of the 3rd. January 1853 about 60 chs. S.W. of the last corner by celestial observation-the variation of the needle found to be $13^{\circ}43'$ E. taking the north star on the meridian.

West 1st mile S. Boundary of T.1 N, Range 14 West.

4th January 1853

Variation of the needle $13^{\circ}43'$ E.

- 15.00 To small valley- Valley mostly to the south.
29.00 Crossed Valley to rugged hills.
31.75 Set charred stake and Elder post from which bears and evergreen scrub red oak, S. 26° W. 155 lks.-18 in. dia. No other tree found. Last 31 chs. 75 lks. 3rd rate-mostly broken scrub hills-Owing to the extreme roughness of the mountain range to the west-it is deemed impracticable to continue the base line any farther with the requisite degree of accuracy.

Returned therefore to the S.E. corner of T.1 N., R.14 W. being also the S.W. corner of T.1 N., R.13 W. and ran south on range line between south ranges 13 & 14 township 1 south

- 8.50 To small brushy valley and down it
16.00 To spur of Mountain bears N.W.
35.00 To Valley
40.00 Temporary Stake
62.00 Passed about 100 lks. west of spring
80.00 Temporary stake-thence continued south
South 2nd mile
55.00 Cross waggon road leading from Los Angeles to Santa Barbara
course N.W. & S.E.
60.00 Set stake in Prairie
Thence due west

West thru T. 1 S., R. 14 W.

- 101.50 Cross road leading from Los Angeles to Santa Barbara, course S.50°E.
- 205.00 2 miles 45 chs. set stake in Prairie:
thence due north thro prairie
- 61.00 Crossed branch 5 lks.wide, course S.E. to hills from level prairie
- 67.00 To small valley-stake 4th. January 1853
- 70.80 Crossed branch same as noted at 61 chs., course S.W.
- 96.50 To high hills Mountain range and leave valley
- 111.00 Crossed road leading from Los Angeles to Santa Barbara, course N.5°W.
- 111.50 Crossed branch 5 lks. wide- general course S.5°E.
- 127.50 Set stake on side of hill & compelled to run to the narrow pass
at road.
N. 39° W.
- 2.00 From rough hills (to narrow pass) foot of hills.
- 3.50 Crossed road, course S.W.
- 3.80 To branch 4 lks. wide, course S.W.
- 12.50 Crossed same branch (having crossed it 5 times & the road alternate-
ly) course S.W.
- 16.09 Set post on the San Bernardino Base line being 215 chs. 13 lks.
west of (-2 miles 55 chs. 13 lks.) corner to ranges 13 & 14 on the
San Bernardino Base Line, from which bears three trees, to-wit:
Sycamore S.41°E. 556 lks. T.1 S., R.14 W., S. 3- 28 in. dia.
Sycamore N.53°E. 105-1 N., 14 W. 34, 5 in. dia.
Evergreen red oak N.74°W. 205, 1 N. 14 W., 34 .18 in. dia.
- From the last post set-ran east on San Bernardino Base Line.
East.
- .70 Cross road from Los Angeles to Santa Barbara. course S.W.
- 1.93 To small branch course S.W. at the foot of a very rough mountain,
rocky scrub hills & found it utterly impracticable to continue the
line so as to measure it correctly to the east, and for the same
reason cannot extend the San Bernardino Base line to the west.
Returned to the last post, on the San Bernardino Base Line-and
ran N.39°W. thro T.1 N., R.14 W.

West 39° W.

Thro narrow pass between mountains

- 1.00 Cross road course S.E.
5.00 To small branch, course S.E. & up it
5.15 Cross branch
7.00 Cross road course S.W.
34.00 Crossed same road, course S.E.
37.50 " " " " S.W.
40.00 To narrow open Valley-prairie.
56.50 Cross same road course S.E.
92.00 Set stake, near east side of a small branch,
thence N. 65° W. thro prairie
N. 65° W.
53.50 To branch in deep ravine-5 lks. wide, course N. 20° W.
59.50 Crossed waggon road, leading from Los Angeles to Santa Barbara-
course S.W.
60.50 Mexican Rancho-now occupied by Mr. Mandeville-bears N.25° E.
about 11 chs.
110.00 rose hilly
119.50 Cross road, course S.E. & leave hills
122.85 To shallow branch 15 lks. wide, course East
160.00 Set stake from which Mandeville's or Old Mission Claim S.73°15'E.
from the last stake a valley (said to be a road thro it to Los
Angeles) bears N.80° E. about six miles.

5th January 1853.

thence

West thro open wavy prairie-rich

- 18.50 To branch 8 lks. wide-shallow course S.E.
36.50 Crossed road from Los Angeles to Santa Barbara, course S.20°E.
43.00 To deep gulch 30 lks. wide, course N.E.with a small stream 3 lks.wide
57.00 Cross waggon road, course N.E.
60.50 Descended high bluff

61.96 To the east boundary of T.1 N., R. 15 W. being 139 chs. 12 lks.
- 1 mile 59 chs. 12 lks. north of the San Bernardino Base Line
at which set post,

whence bear

Willow S.60° E. 45 lks., R. 1 N., R.14 W. S.30° - 28 in.dia.

Willow S.28° W. 78- 1 N., 15 W.- S.25

23 in dia.

Surveyed by

Henry Washington

Contract dated Oct. 4th, 1852.