

PRELIMINARY OATH OF ASSISTANTS.

I,do solemnly swear that I will well and truly perform the duties of Compassman, according to instructions given me, and to the best of my skill and ability.

.....
SUBSCRIBED AND SWORN to before me, thisday of..... 187.. .

.....U.S. Deputy Surveyor.

We, E.G.STEVENSON and M. ILER, do solemnly swear that we will faithfully execute the duties of Chain Carriers; that we will level the chain upon uneven ground, and plumb the tally pins, whether by sticking or dropping the same; that we will report the true distance to all notable objects, and the true length of all lines; that we will assist in measuring, to the best of our skill and ability.

E. G. STEVENSON

M. ILER.

SUBSCRIBED AND SWORN to before me, this 1st day of February, 1875.

WILLIAM MINTE, U. S. Deputy Surveyor.

I,do solemnly swear that I will well and truly perform the duties of according to instructions given me, and to the best of my skill and ability.

.....
SUBSCRIBED AND SWORN to before me, thisday of..... 187.. .

....., U.S. Deputy Surveyor.

TOWNSHIP 4 S., R. 9 W., SAN BERNARDINO
MERIDIAN.

Field Notes of Subdivision Lines of Township 4 S., R. 9 W., San Bernardino Meridian in the State of California, by William Minto, Deputy Surveyor, under his Contract of January 11th, 1875.

Survey Commenced Feb. 1st, 1875.
Survey Completed Feb. 1st, 1875.

Tracing North Boundary I find a post in earth mound which I am told is the corner to Sections 4, 5, 32 and 33. To ascertain whether it is at the proper place for that corner, I trace the North Boundary East on blank line between Secs. 4 and 33,

Var. $13^{\circ} 4'$ East.

39.80 To a point 24 lks. S. of a point, marked for $\frac{1}{4}$ Sec. Cor. in an earth mound.

80.90 To a point 78 lks. N. of the corner to Secs. 3, 4, 33, and 34, Two of the bearing trees are still standing--the other two have been cut down.

The corner of this line is therefore $N. 89^{\circ} 27' W.$

From the Corner to Sections 4, 5, 32 and 33, South on true line between Secs. 4 and 5, Var. $13^{\circ} 4'$ East.

7.60 Zanja 25 lks. wide, runs West (willow bank).

Shanklin's House $S. 68^{\circ} E.$

12.80 Road, E. and W.

Shanklin's House bears $N. 75^{\circ} E.$

24.00 Zanja 15 lks. W.

24.75 Willow fence E. and W. Enter cornfield.

36.00 Bank 3 feet high, Enter old wash of Santa Ana River, now grown with willows.

Leave cornfield, E. & W.

40.00 Set a post 50 x 40 x 3 in. in an earth mound 30 in. high, with four posts 24 x 18 x 18 in. located as per instructions for $\frac{1}{4}$ Sec. Cor.

41.00 Enter Santa Ana River, running West.

50.00 An island E. & W. East about 8 chains. West 1.50 chains. Dense growth of willows.

52.50 Leave water West. The water is from 1 to 12 inches deep.

67.00 Set a temporary corner for fractional Secs. 4 & 5,

It is impossible to establish a permanent corner at this point, it being in the wash of the river and on the South edge of the island 14.30 chains North of the temporary corner, I mark a willow 4 in. diameter for witness to Cor. to fractional Secs. 4 and 5.

Level land. First and second rates.

Willows and Cactus.

To trace the Grant lines, I begin at the $\frac{1}{4}$ Section Cor. North of Sec. 4, Station No. 19 of Rancho Canon de Santa Ana, and run then $S. 74^{\circ} W.$ along Grant line,
Var. $13^{\circ} 7' E.$

TOWNSHIP 4 SOUTH, RANGE 9 W., SAN BERNARDINO
MERIDIAN.

32.00 Enter Santa Ana, River, running W.
 36.00 Island with dense willows.
 45.50 Leave island.
 50.00 To a point in the bed of river. This should be Station No. 18 of Rancho Canon Santa Ana and Station 55 of Rancho Santiago de Santa Ana.
 The town has long since disappeared.
 There is an old ditch approaching the river, on the North a short distance to the West.
 There is no cottonwood tree anywhere standing to the North West The island in that direction being entirely worked away.
 There is a cottonwood tree 30 in. diameter without marks of any kind, bearing N. 31° E. 10224 chains distant. I cannot learn of any known corners of Rancho Santiago de Santa Ana. I therefore treat this point as Station No. 55 and trace the Boundary of Rancho Santiago de Santa Ana, as follows:
 S. 68½° W.
 7.00 To Station 56, then,
 S. 46° W.
 14.00 To Station 57, then,
 S. 80½° W.
 3.50 To Station 58, then,
 S. 53° W.
 6.00 To Station 59, then
 S. 87½° W.
 9.50 Intersect the line between Secs. 4 and 5
 60 lks. N. of the temporary corner.
 The true corner to fractional Sections 4 & 5, is therefore 13.70 chains South of the Witness tree on the island, and the line between those Secs. is 66.40 chains.
 Then along Grant line in Section 5,
 S. 87½° W.
 15.64 Intersect Boundary of Rancho El Cajon de San Juan de Santa Ana.
 Then along line of the last named Rancho N. 4½° W.
 28.58 To Sycamore S.J.C.S.A. No. 1.
 30.58 Post in earth mound.
 66.90 Intersect the North Boundary of the Township 20.75 chs. West of the corner to Sections 4, 5, 32 & 33, and set a post in an earth mound for Cor. to fractional Section 5, with two pits 24 x 18 x 12 in. on the Grant line 6 feet distant from post.
 Feb. 1st, 1875.

 GENERAL DESCRIPTION.

The public land in this Township is level, mostly covered with Cactus, and a variety of Sage.

The soil is suitable for vines and semitropical fruits. The Santa Ana River affords an abundant supply of good water. The wash of the river is from 20 to 40 chs. in width and the channel is subject to frequent changes.

LIST OF NAMES.

A list of the names of the individuals employed to assist in running, measuring, or marking the lines and corners described in the foregoing Field Notes of Township 4 South, Range 9 West, San Bernardino Meridian, showing the respective capacities in which they acted.

-Compassman.
- ..M..ILER,.....Chainman.
- ..E.G.STEVENSON.....Chainman.
-Axeman.

FINAL OATHS OF ASSISTANTS.

We hereby certify that we assisted Willaim Minte, in, Deputy Surveyor, in surveying TOWNSHIP 4 S., RANGE 9 W., San Bernardino Meridian, and that said Survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the boundary monuments planted according to the instructions furnished by the Surveyor-General.

SUBSCRIBED AND SWORN to before ..E.G.STEVENSON.....
me this 2nd day of February, 1875. ..M.ILER.....

WILLIAM MINTE,
U.S. Deputy Surveyor.

FINAL OATH OF DEPUTY SURVEYOR.

I, WILLIAM MINTE, Deputy Surveyor, do solemnly swear that, in pursuance of a contract with JAS.T.STRATTON, United States Surveyor-General for California, bearing date the 11th day of January, 1875, I have well, faithfully and truly, in my own proper person, and in strict conformity with the instructions furnished by the Surveyor-General, the Surveying Manual, and the laws of the United States, surveyed all those parts or portions of TOWNSHIP 4 SOUTH, RANGE 9 W., San Bernardino Meridian, as are represented in the foregoing Field Notes as having been surveyed by me, and undermy directions; and I do further swear that all the corners of said surveys have been established and perpetuated in strict accordance with the Surveying Manual and printed instructions, and that the foregoing are the true and original Field Notes of each Survey.

WILLIAM MINTE, U. S. Deputy Surveyor.

SUBSCRIBED AND SWORN to before me this 3rd day of February, 1875.

J. W. CLARK, Notary Public.