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28	27		27	26	
33	34		34	35	
	3				
33	34	3	4	34	35 T.2N.2.12W.
4	3	4	5	3	2 T.1N.2.12W.

Blue lines run by Legrand Friel-1906

PRELIMINARY OATHS OF ASSISTANTS.

I, Abel Garnier, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of the retracement of part of Sec. 34, T. 2 N., R. 12 W. S. B. M.

Abel Garnier, Flagman.

Subscribed and sworn to before me this 14th
day of July, 1906.

SEAL

SEAL

Mary A. Connors,

Notary Public.

Retracement of a part of Bdy. of Sec. 34, T. 2N., R. 12W.

Chains.

For the testing of the transit and solar, see Book A.

In order to locate the misclosure in Sec. 34, I run the following lines:

At 5h. 5m. a.m., l.m.t. I set off $34^{\circ}12'N.$ on lat. arc; $16^{\circ}18'N.$ on decl. arc, and determine a meridian with the solar.

From the iron post S. G. F. R. 21 (the Cor. of Secs. 3, 4, 33 and 34), I run-

40.30

North on a random line.

To a point 7 lks. E. of $1/4$ Sec. Cor. bet. Secs. 33 and 34, previously described.

Thence I run-

15.45
16.15
20.40
27.60
28.70
30.10
32.05
33.35
34.70
35.10
36.80
40.30

$S.0^{\circ}06'E.$ on a true line bet. Secs. 33 and 34. Descend through dense scrub oak and white thorn.

A ravine, 25 lks. wide, course $S.65^{\circ}W.$, ascend.

A trail, course N. E. and S. W.

Top of ascension: descend.

Same trail, course S. E. and N. W.

A gulch, 20 lks. wide, course $N.75^{\circ}W.$, ascend.

Same trail, course N. E. and S. W.

Top of ascension: descend.

A trail, course E. and W.

Ascend.

A trail, course N. E. and S. W.

Top of spur, bears W., descend.

The iron post, S.G.F.R. 21 and common to Secs. 3, 4, 33 and 34.

Land, mountainous.

Soil, rocky: 4th rate.

Dense undergrowth, scrub oak and white thorn.

Mountainous land, 40.30 chs.

August 8, 1906.

Aug. 9: at 5h. 30m. a.m., l.m.t. I set off $34^{\circ}12'N.$ on lat arc; $16^{\circ}1'N.$ on decl. arc, and determine a meridian with the solar.

From iron post S.G.F.R. 21 and common to Secs. 3, 4, 33 and 34, I run-

$S. 89^{\circ}31'E.$ on a random line bet. Secs. 3 and 34.

Retracement of a part of Bdy. of Sec. 34, T. 2. N., R. 12 W.

Chains.

32.28 To a point 98 lks. N. of 1/4 Sec. Cor., which is a 6 x 6 pine post, 12 ins. above ground, marked and witnessed as described by the Surveyor General, in the boundary survey of the San Gabriel Forest Reservation.

Thence I run-

.30 N. $87^{\circ}47'W$. on a true line bet. Secs. 3 and 34.
Top of a spur, bears S. W.
Descend.
17.30 Canon, 55 lks. wide, course S. $20^{\circ}W$.
Ascend.
21.40 Top of a spur, bears S., descend.
27.00 Sycamore Canon, 100 lks. wide, course S. W.
Ascend.
31.50 Top of a spur, bears S.
32.31 The Cor. of Secs. 3, 4, 33 and 34.

Land, mountainous.
Soil, rocky, 4th rate.
Dense undergrowth: scrub oak.
Mountainous land, 32.31 chs.

From the 6 x 6 pine post, the 1/4 Sec. Cor. as established by Dept. Cutting.

9.61 East on a random line.
To a point 22 links N. of old stone mound (and identified by adjoining land owner) which I take to be the old 1/4 Sec. Cor., established by Deputy Goldsworthy, in the survey of T. 1. N., R. 12 W., in 1875. I destroy all traces of old 1/4 Sec. Cor. and rebuild the same by setting a granite stone, 30 x 10 x 8 ins., 22 ins. in the ground for 1/4 Sec. Cor., marked 1/4 S. on N. face: and raised a mound of stone $2\frac{1}{2}$ x 2 x 2 ft. N. of Cor. Pits impracticable.

An oak 7 ins. dia. bears N. $75^{\circ}30'W$. 110 lks. dist., marked 1/4 S. 34 B T.

Thence I run+

9.62 N. $88^{\circ}41'W$. on true line bet. Secs. 3 and 34: ascending.
To the 1/4 Sec. Cor., previously described.

Land, mountainous.
Soil, rocky, 4th rate.
Undergrowth, scrub oak and white thorn.
Mountainous land, 9.62 chains.

26.44 From the old 1/4 Sec. Cor.
East on a random line.
To a point 19 lks. S. of a live oak, which is a witness Cor. to Secs. 2, 3, 34 and 35, as established by Dept. Cutting in the boundary survey of the San

Retracement of a part of Bdy. of Sec. 34, T.2N., R.12W.

Chains.

Gabriel Forest Reservation, marked and witnessed as described by the Surveyor General.

Thence I run -

- S.89°35'W. on a true line bet. Secs. 3 and 34.
Ascend.
3.45 A trail to Mt. Lowe hotel, bears S. and N. E.
6.50 Top of spur bears S.
Descend.
23.75 Las Flores Canon, 50 lks. wide, course S.
Ascend.
26.45 The 1/4 Sec. Cor.
Thence from the live oak witness Cor.
S.89°25'E. on a true line bet. Secs. 3 and 34.
Descend.
10.00 Center of Incline Railway from Mt. Lowe hotel, bears
N.28°00'W. and S.28°00'E.
13.45 The Cor. of Secs. 2, 3, 34 and 35, previously set and
described by me.

Land, mountainous.
Soil, rocky, 4th rate.
Dense undergrowth, scrub oak and white thorn.
Mountainous land, 39.90 chs.

Aug. 9, 1906.

GENERAL DESCRIPTION.

The land in this portion of the township is rough and mountainous, and lies on the southern slope of the Sierra Madre Mountains, and is covered with a dense undergrowth of brush, scrub oak, white thorn and ironwood.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

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LIST OF NAMES.

A list of the names of the individuals employed by Legrand Friel, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the Retracement of part of Sec. 34, T. 2 N., R. 12 W., S. B. M. showing the respective capacities in which they acted:

Clarence J. Park, Chairman.

Edwin S. Bittmann, Chairman.

_____, Moundman.

_____, Axman.

Abel Garnier, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Legrand Friel, United States Deputy Surveyor, in surveying all those parts or portions of the retracement of part of Sec. 34, T. 2 N., R. 12 W., of the San Bernardino meridian, of _____, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

Clarence J. Park, Chairman.

Edwin S. Bittmann, Chairman.

_____, Moundman.

_____, Axman.

Abel Garnier, Flagman.

Subscribed and sworn to before me this 12th day of October, 1906.

Mary A. Connors,

SEAL

Notary Public.

PRELIMINARY OATHS OF ASSISTANTS.

We, Clarence J. Park and Edwin S. Bittmann do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the retracement of part of Sec. 34, T. 2 N., R. 12 W., S. B. N.

Clarence J. Park, Chainman.

Edwin S. Bittmann, Chainman.

Subscribed and sworn to before me this 14th day of July, 1906.

Mary A. Conners,

SEAL

SEAL

Notary Public.

We, _____ and _____ do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, Moundman.

Subscribed and sworn to before me this _____ day of _____, 190

SEAL

We, _____ and _____ do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, Axman.

Subscribed and sworn to before me this _____ day of _____, 190

SEAL