

SAN GABRIEL FOREST RESERVATION.

Lewis H. Cutting, 1896.

March 29, 1934.



Cutting - 1896

OFFICE OF U. S. SURVEYOR GENERAL

San Francisco, California  
March 11, 1897

The foregoing field notes of the surveys of the boundary of the San Gabriel Forest Reservation, San Bernardino Meridian, in the State of California executed by Lewis H. Outting, U.S. Deputy Surveyor under his contract No. 126 dated Jan. 26, 1896, having been critically examined and the necessary corrections and explanations made, the said Field Notes and the Surveys they describe are hereby approved.

W. S. Green  
U. S. Surveyor General for California.

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OFFICE OF U. S. SURVEYOR GENERAL

San Francisco, July 25, 1898.

I, U.S. Surveyor General for California do hereby certify that the foregoing transcript has been correctly copied from the original Field Notes, as the same remain of record and on file in this office.

Attest my hand and official seal this day and date herein above written.

J. M. Gleaves  
U. S. Surveyor General for California.

BOUNDARY OF SAN GABRIEL FOREST RESERVATION.

Vol. "O" - 3: 137, etc.  
Lewis H. Cutting, 1896.

Resurvey East Boundary T.5 N., R.11 W., S.E.M.

From the corner to Secs. 13, 18, 19 and 24 on the E. boundary of  
of T.5 N., R.11 W., where I found a post, partly decayed, lying  
on the ground, some of the marks legible, near a portion of an  
old earth mound and which I remark by setting a redwood post,  
3 ft. long, 4 inches square, 24 inches in the ground, marked

T. 5 N., S. 18 on N.E.

R. 10 W., S. 19 on S.E.

R. 11 W., S. 24 on S.W. and

S.13 on N.W. faces, with 3 notches on N. and  
S. edges; and raising a mound of stone, 1 1/2 ft. high, 2  
ft. base, W. of corner. Pits impracticable.

(No traces of old bearing tree remaining.)

I run, S. on a random line between Secs. 19 and 24

40.00 To old quarter sec. cor. which is a post set firmly in the  
ground, marked and witnessed as described by the Surveyor  
General.

Thence I run

N. on a true line between Secs. 19 and 24

Ascend over rolling land

11.50 Road bears E. and W.

27.00 Road bears N.E. and S.W.

40.00 The corner to Secs. 13, 18, 19 and 24.

From the quarter section corner I continue south

40.05 To a point 3 lks. W. of old corner to Secs. 19, 24, 25 and 30  
where I found a badly decayed post, in an old earth mound.

I destroyed same and to remark corner, also to establish Cor.

No. 47 on boundary of San Gabriel Forest Reservation.

Boundary line of San Gabriel Forest Reservation  
T.5 N., R.11 W., S.B.M.

I set a square hollow iron post, filled with cement, 3 ft. long, the square 4 inches wide at the top, increasing to 12 inches wide at the bottom, 12 inches in the ground, marked

T.5 N., S. 19 on N.E.

S.G.F.R. 47 R.10 W., S.30 on S.E.

R.11 W., S.25 on S.W. and

S.24 on N.W. faces and dug pits 36x36x12 inches

N. and S. of post, 4 ft. distant and raised an earth

mound 1 1/2 ft. high, 5 ft. base around post.

Thence I run

N. 0°03' W. on a true line between Secs. 19 and 24. Ascend.

3.05 Top of ridge, 100 ft. above section corner, bears E. and W.  
Descend.

20.30 Dry canon, 50 lks. wide, 425 ft. below top of ridge.  
Course E. Ascend.

26.05 Top of spur 100 ft. above canon bears N. 50° W., and S. 80° E.  
Descend.

32.05 Base of spur, 150 ft. below top, bears N. 40° W. and S. 80° E.  
and over rolling land.

40.05 The quarter section corner

Land, mountainous and rolling

Soil 2nd and 3rd rate

Scattering juniper timber

Dense undergrowth of same and yucca 80.05 chs.

Mountainous land 32.05 chs.

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Having definitely established the position of corner to

Secs. 19, 24, 25 and 30. I proceed, according to instructions.

W. on a true line between Secs. 24 and 25. Descend.

6.50 Ravine 6 lks. wide, 100 ft. below section cor. course N.

26.00 Base of low red spurs, ascend.

Boundary line of San Gabriel Forest Reservation  
T.5 N., R.11 W., S.B.M.

- 32.00 Top of spur, 150 ft. above ravine bears N. 10° W. and S. 10° E, and along N. face of main ridge.
- 40.00 Set a juniper post 3 ft. long, 3 inches square with marked stone 24 inches in the ground for quarter sec. cor. marked S.G.F.R. on S. face  
1/4 S. on N. face  
and raised a mound of stone 1 1/2 ft. high, 2 ft. base N. of corner. Pits impracticable.
- 49.75 Top of ridge, 100 ft. above quarter sec. cor., bears N.E. and S.W. Descend.
- 55.00 Wash, 20 lks. wide, 125 ft. below top of ridge.  
Course N. 20° E. Continue descent.
- 74.50 Wash, 30 lks. wide, 100 ft. below last wash, course N.E. Ascend.
- 80.00 Set a juniper post, 3 ft. long, 4 inches square, with marked stone, 12 inches in the ground for cor. to Secs. 23, 24, 25 and 26. Marked  
T.5 N., S. 24 on N.E. S.G.F.R.  
R. 11 W. S. 25 on S.E.  
S. 26 on S.W. and  
S. 23 on N.W. faces; with 1 notch on E. and 2 notches on S. edges; and raised a mound of stone 1 1/2 ft. high, 2 ft. base, W. of corner.  
Pits impracticable.  
Land mountainous.  
Soil 2nd and 3rd rate  
Scattering juniper timber  
Dense undergrowth of juniper.  
Mountainous land, 80.00 chs.

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W. on a true line between Secs. 23 and 26.

Ascend over a succession of broken hills and small washes.

Boundary line of the San Gabriel Forest Reservation  
T.5 N., R. 11 W., S.8. N.

- 40.00 Top of spur, 100 ft. high, bears N. and S. and set a juniper post 3 ft. long, 3 inches square with marked stone, 24 inches in the ground for quarter section cor. marked 1/4 S. on N. face and raised a mound of stone 1 1/2 ft. high, 2 ft. base, W. of corner.  
Pits impracticable.  
Post also marked S.G.F.R. on S. face.  
Descend
- 48.00 Canon, 25 lks. wide, 150 ft. below quarter section, course N., ascend.
- 50.00 Top of spur, 100 ft. above canon, bears N. and S. Descend.
- 53.00 Canon, 30 lks. wide, 100 ft. below top of spur, course N. Ascend.
- 56.00 Top of spur, 150 ft. above canon, bears N. and S. Descend
- 59.00 Canon, 40 lks. wide, 150 ft. below top of spur, course N. Ascend.
- 75.00 Top of spur, 150 ft. above canon bears N. and S. Descend
- 80.00 Set a juniper post, 3 ft. long, 4 inches square, with marked stone, 24 inches in the ground for corner to Sess. 22, 23, 26, 27.  
Marked T.5.N., S. 23 on N.E. S.G.F.R.  
R.11 W., S. 26 on S.E.  
S.27 on S.W. and  
S.22 on N.W. faces with 2 notches on S. and E. edges; and raised a mound of stone, 1 1/2 ft/ high, 2 ft. base W. of corner.  
Pits impracticable.  
Land mountainous.  
Soil 2nd and 3rd rate, sandy and stony.  
Scattering of juniper timber  
Dense undergrowth of juniper.  
Mountainous land, 80.00 chs.

Boundary line of San Gabriel Forest Reservation  
T.5 N., R.11 W., S.B.M.

W. on a true line between Secs. 22 and 27. Descend.

- 2.50 Wash, 20 lks. wide, 50 ft. below section corner, course  
N. 30° W. Ascend
- 32.25 Top of ridge, 250 ft. above wash, bears N.W. and S.E. Descend.
- 40.00 Set a juniper post, 3 ft. long, 5 inches square, with marked  
stone, 24 inches in the ground, for quarter sec. cor. marked  
S.G.F.R. on S. face  
1/4 on N. face  
dug pits 18x18x12 inches E. and W. of post, 3 ft. deep, and  
raised a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N.  
of corner.  
Ascend.
- 52.00 Top of ridge, 100 ft. above quarter sec. cor. bears E. and W.  
Thence along same
- 62.00 To edge of perpendicular bluff, 75 ft. high, which it is  
impossible to chain. Set a juniper post, 3 ft. long, 3  
inches square, with marked stone, 24 inches in the ground for  
Witness Point.  
Marked W.C. on N. face; and raised a mound of stone 1 1/2  
ft. high, 2 ft. base, N. of corner.  
Pits impracticable.  
To avoid bluff I offset as follows:  
N. 33 1/2° W. 2.33 chains.  
W. 31 1/2° W. 5.88 chs.  
W. 13.73 chains to true line ; thence S. 6.98 chs. to  
true point for corner to Secs. 21, 22, 27, 28 at
- 50.00 To mark which and to establish corner No. 46 on Bdy. of San  
Gabriel Forest Reservation, I set a square hollow iron post,  
filled with cement, 3 ft. long, the sides 4 inches wide, at  
the top, increasing to 12 inches wide at the bottom, 12 inches  
in the ground

Boundary line of San Gabriel Forest Reservation  
T. 5 N., R. 11 W., S.B.M.

Marked

T. 5 N., S. 22 on N.E.

S.G.F.R. 46 R. 11 W., S. 27 on S.E.

S. 28 on S.W. and

S. 21 on N.W. faces; dug pits 36x36x12 inches N. and S. of post, 4 ft. distant and raised an earth mound, 1 1/2 ft. high, 5 ft. base around post.

Land mountainous

Soil 2nd and 3rd rate, sandy and stony

Scattering juniper timber

Dense undergrowth of sage and yucca

Mountainous land 80.00 chains.

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W. on a true line between Sess. 21 and 28

Descend.

- 3.25 Center of wash of Little Rock Creek, course N.
- 9.00 Leave wash and ascend
- 12.15 Road bears N. and S.
- 18.15 Irrigation ditch, 8 inches wide, 4 inches deep, course N.W. from head of Little Rock Creek to Alpine.
- 26.50 Top of spur, 100 ft. high, bears N. 10° E. and S. 10° W. Descend
- 31.00 Wash, 20 lks. wide, 100 ft. below top of spur, course N. Ascend.
- 38.00 Top of spur, 120 ft. above wash, bears N. and S. Descend
- 40.00 Set juniper post, 3 ft. long, 3 inches square, with marked stone, 24 inches in the ground, for quarter section corner.  
Marked S.G.F.R. on S. face and 1/4 S. on N. face and raised stone mound, 1 1/2 ft. high, 2 ft. base N. of cor. pits impracticable.
- 40.50 Gulch, 10 lks. wide, course N. 25° E., 150 ft. below top of spur. Ascend
- 46.00 Top of spur, 100 ft. above gulch, bears N. 25° E., and S. 25° W. Descend.

Boundary line of San Gabriel Forest Reservation  
T.5 N., R.11 W., S.B.M.

- 52.50 Wash, 75 lks. wide, 150 ft. below top of spur, course N.20° E.  
Ascend
- 62.00 Top of spur 100 ft. above wash, bears N.40° E. and S.40° W.  
Descend.
- 75.00 Wash, 10 lks. wide, 170 ft. below top of spur, course N.  
Ascend
- 80.00 Top of spur, 100 ft. above wash, bears N.45° E. and S. 45° W.  
Set a juniper post, 3 ft. long, 4 ins. square, with marked  
stone 24 inches in the ground for corner to Secs. 20, 21, 28  
and 29 marked

T. 5 N., S. 21 on N.E. S.G.F.R.

R. 11 W., S.28 on S.E.

S.29 on S.W.

S.20 on N.W. faces with 4 notches on E. and 2 notches  
on S. edges and raised mound of stone 2 ft. high, 3 1/2 ft.  
base, N. of corner.

Pits impracticable

Land mountainous

Soil 3rd and 4th rate

Scattering juniper timber

Undergrowth of juniper

Mountainous land 80.00 chs.

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W. on a true line between Secs. 20 and 29. Descend

- 3.00 Wash, 25 lks. wide, 100 ft. below section corner, course N.45° E.  
Ascend
- 11.00 Top of spur, 150 ft. above wash, bears N.80° E. and S.80° W.  
Descend
- 21.00 Wash, 25 lks. wide, 100 ft. below top of spur, course N.45° E.  
Ascend
- 22.00 Over brushy mesa, continue ascent.

Boundary line of San Gabriel Forest Reservation  
T.5 N., R.11 W., S.B.M.

- 38.50 Top of spur, 120 ft. above wash, bears N.30° E. and S. 30° W.  
Descend.
- 40.00 Set a juniper post, 3 ft. long, 3 inches square with marked  
stone 24 inches in the ground for quarter sec. corner, marked  
S.G.F.R. on S. face, 1/4 S. on N. face and raised a mound of  
stone, 1 1/2 ft. high, 2 ft. base, W. of corner.  
Pits impracticable.
- 41.00 Gulch 50 ft. below top of spur, 10 lks. wide, course N.45° E.  
Ascend.
- 43.00 Top of spur, 100 ft. above wash, bears N.45° W. and S.45° E.  
Descend.
- 47.50 Canada, 50 lks. wide, 75 ft. below top of spur, course N.45° W.  
Ascend
- 55.50 Top of spur, 120 ft. above canada, bears N.20° E. and S.20° W.  
Descend.
- 65.00 Wash, 20 lks. wide, 100 ft. below top of spur, course N.20° E.  
Ascend.
- 72.00 Top of spur, 110 ft. above wash, bears N.20° E. and S.20° W.  
Descend.
- 78.00 Wash, 20 lks. wide, 75 ft. below top of spur, course N. Ascend
- 80.00 Set a juniper post, 3 ft. long, 4 inches square, with marked  
stone, 24 inches in the ground, for corner to Secs. 19, 20, 29  
and 30.

Marked T. 5 N., S.20 on N.E. S.G.F.R.

R. 11 W., S.29 on S.E.

S.30 on S.W. and

S.19 on N.W. faces, with 5 notches on E. and 2 notches  
on S. edges, and raised a mound of stone, 2 ft. high, 3 1/2  
ft. base, W. of corner.

Pits impracticable.

Boundary line of San Gabriel Forest Reservation  
T.5 N., R.11 W., S.B.M.

Land mountainous

Soil 3rd rate

Scattering juniper timber

Dense undergrowth of juniper

Mountainous land, 80.00 chs.

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W. on a true line between Secs. 19 and 30.

Ascend.

1.75	To edge of brushy mesa bears N. and S. and over same
10.00	To edge of brushy mesa, descend.
14.40	Canon, 15 lks. wide, 50 ft. below mesa, course N.10° W.
	Ascend
25.00	Top of spur, 175 ft. above canon, bears N.10°W. and S.10° E.
	Descend
30.50	Canada, 100 ft. below top of spur, course N. and through same
31.80	Wagon road bears N. and S.
36.00	Leave Canada at base of spur, ascend.
40.00	Set an oak post, 4 ft. long, 4 inches square, with marked stone, 24 inches in the ground, for quarter section corner, marked 1/4 S. on N. face and raised a mound of stone 1 1/2 ft. high, 2 ft. base, N. of corner.
	Pits impracticable.
	Post also marked S.G.F.R. on S. face
43.00	Top of spur, 120 ft. above canada, bears N. and S. Descend.
45.50	Canada, 100 lks. wide, 90 ft. below top of spur, course N.10° E. Ascend.
52.00	Top of spur, 200 ft. above canada, bears N. 45° E. and S. 45° W. Descend.
61.00	Canada 150 ft. below top of spur, 90 lks. wide, course N. 20° E. Ascend.
70.50	Top of spur, 200 ft. above canon, bears N.E. and S.W. Descend.

Boundary line of San Gabriel Forest Reservation  
T.5 N., R.11 W., S.E.M.

77.95 Interest E. bdy. T.5.N., R.12 W., 21.04 chs. N. of corner to Secs. 24 and 25, previously re-established by me, and set a square, hollow, iron post, filled with cement, etc., 3 ft. long, the sides 4 inches wide at the top, increasing to 12 inches wide at the bottom, 12 inches in the ground, for closing corner to Secs. 19 and 30, T.5.N., R.11 W., also for corner No. 45 on boundary of San Gabriel Forest Reservation marked T.5.N., R.11 W., on E.

C.C. on west

S.19 on N. and

S.G.F.R. 45 S.30 on S. faces,

dug pits 36x36x12 inches, S. and E. of post, 4 ft. distant, and raised a mound of earth, 1 1/2 ft. high, 5 ft. base around post.

Land mountainous.

Soil 3rd rate.

Scattering juniper timber

Dense undergrowth of same and yucca.

Mountainous land, 77.95 chs.

October 5, 1896.

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Through T.5 N., R. 10 W., S.B.M.

Oct. 6th at 8h 00m A.M., l.m.t. I set off 34°30' N. on the lat arc. 5° 27' S. on the decl. arc and mark a true meridian at the corner to Secs. 19, 24, 25 and 30 on E. bdy., T.5.N., R.11.W., previously described.

From the corner to Secs. 19, 24, 25 and 30 on E. bdy. T.5.N., R.11.W., previously re-established by me, I run E. on a random line between Secs. 19 and 30.

39.60 To old quarter sec. cor. which I find in bad condition, the post gone and the mound and pits scarcely discernable.

Boundary line of San Gabriel Forest Reservation  
T.5 N., R.10 W., S.B.M.

To re-establish same, I set cedar post 2 1/2 ft. long, 4 inches square with marked stone 24 inches in the ground, marked 1/4 S. on N. face, dug pits 18x18x12 inches E. and W. of post, 3 ft. distant and raised mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, W. of corner, also marked post

S.G.F.R. on S. face

Thence W. on a true line between Secs. 19 and 30, over rolling brushy mesa

- 22.20 Leave mesa, bears N. and S. Descend
- 26.45 Wash, 15 lks. wide, 50 ft. below mesa, course N. 60° E. Ascend
- 27.60 Top of spur, 50 ft. above wash, bears N. 10° E. and S. 10° W. Descend.
- 39.60 The corner to Secs. 19, 24, 25 and 30.  
From the quarter sec. corner I continue E.
- 38.34 To a point 45 lks. S. of corner to Secs. 19, 20, 29 and 30., which is a post badly decayed, in small mound of earth, no trace of old bearing trees. I destroyed old corner and to re-mark same, set a sandstone, 24 x 6 x 6 inches, 18 inches in the ground, marked with 2 notches on S. and 5 notches on E. edges and raised a mound of stone, 1 1/2 ft. high, 2 1/2 ft. base, W. of corner.  
Pits impracticable.  
A house bears N. 20° E., 2.00 chains distant.  
Also marked stone S.G.F.R. on S. face  
Thence S. 89° 20' W. on a true line between Secs. 19 and 30  
Descend over rolling, brushing mesa.
- 4.94 Dry wash, 25 lks. wide, course N. 10° E.
- 8.84 Dry wash, 50 lks. wide, course N. 10° E.
- 19.44 Dry arroyo, 75 lks. wide, course N.
- 26.44 Wagon road, bears N.W. and S.E.
- 38.34 The quarter section corner.

Boundary line of San Gabriel Forest Reservation  
T.5 N., R.10 W., S.B.M.

Land mountainous and rolling

Soil second and third rate, stony

Scattering juniper timber

Dense undergrowth of sage and yucca 77.94 chs.

Mountainous land, 17.40 chs.

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From the corner to Secs. 19, 20, 29 and 30.

I run

E. on a random line between Secs. 20 and 29

40.00 After diligent search, being unable to find any trace of old  
1/4 Sec. corner, I set temporary 1/4 sec. corner and continue  
E.

80.00 After diligent search, being unable to find any trace of old  
corner to Secs. 20, 21, 28 and 29, I set temporary Sec. corner  
and continue

E. on a random line between Secs. 21 and 28.

40.10 To a point 30 lks. N. of old quarter sec. corner, where I find  
a badly decayed stake, in a small earth mound, with traces of  
pits. I destroyed same and to remark corner, set a juniper  
post, 4 ft. long, 4 inches square, with marked stone 24 inches  
in the ground, marked S.G.F.R. on S. face, 1/4 S. on N. face,  
dug pits 18x18x12 inches E. and W. of post, 3 ft. distant, and  
raised a mound of earth, 1 1/2 ft. high, 2 ft. base, N. of  
corner.

A house bears E. 30° E. 15.00 chains distant.

From corner I run

N. 89°51' W. on a true line between Secs. 21 and 28,  
over rolling, brushy mesa.

1.60 Cross irrigating ditch, course N.

7.20 Cross irrigating ditch, course N.

15.35 Cross irrigating ditch, course N.

16.60 Enter wash, course N. 10° E.

18.60 Leave wash, course N. 10° E.

30.10 Enter plowed ground bears N. and S.

Boundary line of San Gabriel Forest Reservation  
T.5 N., R. 10 W., S.E.M.

- 38.80 Leave plowed ground, bears N. and S.
- 38.95 Wagon road bears N. and S.
- 39.13 Irrigation ditch, 2 ft. wide, 8 inches deep, course N.
- 40.10 The true point for corner to Secs. 20, 21, 28 and 29 falling in County Road, bears W. and N.  $89^{\circ}$  E.
- I run due S. 50 lks. and set a juniper post 3 ft. long, 4 ins. square with marked stone 24 inches in the ground on S. side of County Road, for witness corner to Secs. 20, 21, 28 and 29, marked W.C.T. S. 21 on N.E.
- S.G.F.R. R. 10 W., S. 28 on S.E.
- S. 29 on S.W. and
- S. 20 on N.W. faces with 2 notches on S. and 4 notches on E. edges; dug pits 18x18x12 inches in each sec. 5 1/2 ft. dist. and raised a mound of earth 4 ft. base, 2 ft. high, W. of corner.
- A house bears N.  $30^{\circ}$  E. 4.00 chs. distant.
- Soil second and third rate
- Land rolling
- Scattering juniper timber
- Undergrowth of cane and yucca, 31.40 chs.
- Plowed land, 8.70 chs.
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- N.  $89^{\circ}$  51' W. on a true line between Secs. 20 and 29.
- Along County Road.
- 40.05 The true point for quarter sec. corner falling in County Road, not a suitable place to mark, I run due S., 25 lks. to S. side of road and set a juniper post, 3 ft. long, 3 inches square, with marked stone 24 inches in ground for witness corner to quarter section corner marked S.G.F.R. on S. face,
- W.C. 1/4 S. on W. face, dug pits 18x18x12 inches E. and W. of post, 3 ft. deep and raised a mound of earth, 1 1/2 ft. high, 2 ft. base, N. of corner.

Boundary line of San Gabriel Forest Reservation  
T.5.N., R.10 W.

Carters house bears N. 30° E. 1.00 chs. distant.

- 48.10 Road to Big Rock Creek branches at this point bears S.45° E.  
60.10 Wash 20 lks. wide, course N. 10° E.  
66.10 Wash 15 lks. wide, course N. 10° E.  
79.00 Leave County Road, bears E. and N.W. and over brushy mesa.  
80.10 The corner to Secs. 19,20,29 and 30.

Land rolling

Soil 2nd and 3rd rate.

Scattering juniper timber

Undergrowth of same and yucca 1.10 chains and on both  
side of road.

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From the quarter section corner between Secs. 21 and 28

I run

E. on a random line between Secs. 21 and 28

- 39.95 To a point 10 lks. N. of old corner to Secs. 21,22,27 and 28  
which I find nearly destroyed, the post decayed and the mound  
gone. I destroyed old post and to remark corner and establish  
Corner No. 48 on boundary of San Gabriel Forest Reservation,  
I set a square, hollow iron post, filled with cement, etc., 3  
ft. long, the sides 4 inches wide at the top, increasing to  
12 inches wide at bottom, 12 inches in the ground, marked

T.5 N., S. 22 on N.E., S.G.F.R.

R.10 W., S. 27 on S.E.

S.G.F.R. 48 S.28 on S.W. and

S.21 on N.W. faces, dug pits 36x36x12 inches in S. and W.  
of post, 4 ft. distant and raised a mound of earth 1 1/2 ft.  
high, 5 ft. base, around post.

Corner set on top of spur, bears E. and W.

Thence I run

- N. 89° 51' W. on a true line between Secs. 21 and 28. Descend.  
99.55 Irrigation ditch, course N.W.

Boundary line of San Gabriel Forest Reservation  
T. 5 N., R. 10 W.

18.05 Base of spur, 200 ft. below section corner, and over rolling brushy mesa.

39.95 The quarter section corner

Land mountainous and rolling

Soil 2nd and 3rd rate

Scattering juniper timber

Dense undergrowth of cane and yucca, 39.95 chains.

Mountainous land, 18.05 chains.

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From the corner to Secs. 21, 22, 27 and 28,

I run

S. on a random line between Sections 27 and 28.

40.05 To old quarter sec. cor., which is a badly, decayed post, in earth mound, with traces of pits. I destroy old corner and to remark same, set a juniper post, 3 ft. long, 4 inches square, with marked stone 24 inches in the ground, marked 1/4 S. on W. face, dug pits 18x18x12 inches N. and S. of post, 3 ft. distant, and raised a mound of earth 1 1/2 ft. high, 2 ft. base, W. of corner. Also marked post

S.G.F.R. on W. face

Thence I run

N. on a true line between Secs. 27 and 28.

Descend.

35.45 Irrigating ditch, course W. Ascend.

40.05 The corner to Secs. 21, 22, 27, 28.

From the quarter sec. cor. I continue S.

40.00 To a point 8 lks. E. of cor. to Secs. 27, 28, 33 and 34, where I find a portion of an old post and traces of earth mound and pits. I destroyed old corner and to remark same; and to establish Cor. No. 49 on bdy. of San Gabriel Forest Reservation I set a square, hollow, iron post, filled with cement, etc., 3 ft. long, the sides 4 inches wide at the top, increasing to 12 inches wide at the bottom, 12 inches in the ground, marked

Boundary line of San Gabriel Forest Reservation  
T. 5 N., R. 10 W.

T. 5 N., S. 27 on N.E.

R. 10 W., S. 34 on S.E.

S.G.F.R. 49 S. 33 on S.W. and

S. 28 on N.W. faces, dug pits, 36x36x12 inches N. and E.  
of post, 4 ft. distant, and raised an earth mound, 1 1/2 ft.  
high, 5 ft. base, around post.

Thence I run

N. 7' E. on a true line between Secs. 27 and 28,

Over rolling, brushy mesa.

6.35 Wagon road, bears N.W. and S.E.  
10.05 Leave rolling mesa, bears E. and W. Ascend  
39.55 Top of spur, 150 ft. above mesa, bears E. and W. Descend  
40.00 The quarter section corner.

Land mountainous and rolling

Soil 2nd and 3rd rate

Scattering juniper timber

Dense undergrowth of same and yucca, 80.05 chains.

Mountainous land, 70.00 chs.

- - - - -

From the corner to Secs. 27, 28, 33 and 34.

I run

E. on a random line between Secs. 27 and 34.

39.60 To a point 25 lks. S. of old quarter sec. cor., the locus of  
which I determine from the following bearing trees viz.,

A cedar 8 inches diam., S. 83° W. 50 lks. distant  
marked 1/4 S.B.T. which I mark S.G.F.R. on S.

A cedar 8 inches diam. N. 51° W. 86 lks. distant  
marked 1/4 S.B.T. No. other trace of cor.

To re-establish corner, I set a juniper post, 2 1/2 ft. high,  
4 inches square, with marked stone 24 inches in the ground,  
marked 1/4 S. on N. face, dug pits 18x18x12 inches E. and W.  
of post, 3 ft. distant, and raised a mound of earth 2 ft. high,

*see also*

Boundary line of San Gabriel Forest Reservation  
T.5 N., R.10 W.

3 1/2 ft. base, N. of corner. I also marked post S.G.F.R. on S. face.

Thence I run

S. 89° 39' W. on a true line between Secs. 27 and 34

Descend through dense brush.

39.60 The corner to Secs. 27, 28, 33 and 34.

From the quarter sec. cor. I continue E.

39.60 To a point 3 lks. S. of corner to Secs. 26, 27, 34 and 35, which is a badly decayed post in small earth mound with traces of pits. I obliterated old corner and to remark same, set a juniper post 3 1/2 ft. long, 5 inches square, with marked stone, 24 inches in the ground marked

T. 5 N., S. 26 on N.E. S.G.F.R.

R.10 W., S.35 on S.E.

S. 34 on S.W. and

S. 27 on N.W. faces, with 1 notch on S. and 2 notches on E. edges; dug pits 18x18x12 inches in each sec., 5 1/2 ft. distant, and raised a mound of earth, 2 ft. high, 4 ft. base, W. of corner.

Thence I run

S. 89° 57' W. on a true line between Secs. 27 and 34. Ascend

8.00 Wagon road bears N.E. and S.W.

28.25 Top of spur, 200 ft. above Sec. cor. bears N. and S. Descend.

39.60 The quarter sec. cor.

Land mountainous.

Soil 2nd and 3rd rate, sandy loam.

Scattering juniper timber

Dense undergrowth of cane and yucca.

Mountainous land, 79.20 chs.

October 6, 1896.

Boundary line of San Gabriel Forest Reservation  
T.5.N., R.10.W.,

Oct. 7 at 8h.00m A.M., 1.m.t. I set off  $34^{\circ}29'$  N. on the lat. arc,  $5^{\circ}50'$  S. on the decl. arc and mark a true meridian at the corner to Secs. 26, 27, 34 and 35 previously described.

From the corner to Secs. 26, 27, 34 and 35.

I run

E. on a random line between Secs. 26 and 35.

40.22

To a point 16 lks. S. of old quarter sec. cor. where I find an old post, in a small earth mound, with traces of pits. I destroyed old post and in its place set a juniper post, 3 ft. long, 3 inches square, with marked stone, 24 inches in the ground, marked  $1/4$  S. on N. face, redug pits  $18 \times 18 \times 12$  inches E. and W. of post, 3 ft. deep and raised a mound of earth,  $1\frac{1}{2}$  ft. high, 2 ft. base, N. of corner, I also marked post S.G.F.R. on S. face.

Thence I run

S.  $89^{\circ}46'$  W. on a true line between Secs. 26 and 35.

Descend gradually over brushy mesa

0.22

Road bears N. and S.

15.22

Leave mesa and ascend

20.22

Top of spur bears N. and S., 100 ft. above mesa, descend.

33.22

Ravine, 15 lks. wide, 150 ft. below top of spur, course N. Ascend.

40.22

The corner to Secs. 26, 27, 34 and 35.

From the quarter sec.cor. I continue E.

40.02

To a point 9 lks. S. of old corner to Secs. 25, 26, 35, 36, which is a decayed post in small earth mound; I destroy old corner, and in its place, set a juniper post, 4 ft. long, 4 inches square, with marked stone, 24 inches in the ground, marked

T.5 N., S. 25 on N.E. S.G.F.R.

R.10 W. S.36 on S.E.

S. 35 on S.W. and

S. 26 on N.W. faces; with 1 notch on S. and E. edges, dug pits  $18 \times 18 \times 12$  inches in each Sec.  $5\frac{1}{2}$  ft. distant and raised a mound of earth, 2 ft. high,  $3\frac{1}{2}$  ft. base, W. of corner.

Boundary line of San Gabriel Forest Reservation  
T. 5 N., R. 10. W.

Thence I run

S. 89° 52' W. on a true line between Secs. 26 and 35, over  
succession of dry washes, general course N., crossing brushy mesa.

30.24 A reservoir bears N. 150 lks. distant.

30.74 Enter dry arroyo, bears N. and S.

33.24 Leave arroyo and descend.

36.49 Ravine, 20 lks. wide, course N. and continue descent over mesa.

37.24 Irrigating ditch, 20 lks. wide, course N.

38.74 A house bears N. 8.00 chs. distant.

40.02 The quarter section corner.

Land hilly.

Soil 3rd rate

Scattering juniper timber

Dense undergrowth of sage and yucca.

Mountainous land, 80.24 chs.

- - - - -

From the corner to Secs. 25, 26, 35 and 36.

I run

E. on a random line between Secs. 25 and 36.

39.65 To a point 10 lks. N. of old quarter sec. cor. where I find  
a decayed post, with remains of earth mound and pits. I  
destroyed old corner and to remark same set a juniper post,  
3 ft. long, 4 inches square, with marked stone 24 inches in the  
ground, marked 1/4 S. on N. face, dug pits 18x18x12 inches  
E. and W. of post, 3 ft. distant, and raised a mound of earth  
1 1/2 ft. high, 2 ft. base, N. of corner, I also marked post  
S.G.F.R. on S. face.

Thence

S. 89° 51' W. on a true line between Secs. 25 and 36.

Descend over brushy mesa.

8.05 Irrigating ditch, 10 lks. wide, course N.

31.15 Irrigating ditch, 10 lks. wide, course N.

Boundary line of San Gabriel Forest Reservation  
T.5 N., R. 10 W.

- 35.65 A house bears N. 12.00 chs. distant.
- 39.65 The corner to Secs. 25, 26, 35 and 36.  
From the quarter sec. corner, I continue E.  
To a point 12 lks. S. of corner to Secs. 25, 30, 31 and 36, on E. bdy. of twp, where I find a portion of old mound, but no other trace of corner.  
To remark same and to establish corner No. 50 on bdy. of San Gabriel Forest Reservation, I set a square, hollow, iron post, filled with cement, etc., 3 ft. long, the side 4 inches wide at top, increasing to 12 inches wide at the bottom, 12 inches in the ground, marked  
T. 5 N., S. 30 on N.E.  
R. 9 W., S. 31 on S.E.  
S.G.F.R. 50 R. 10 W., S. 36 on S.W. and  
S. 25 on N.W. faces, dug pits, 36x36x12 inches S. and W. of post, 4 ft. distant and raised an earth mound, 1 1/2 ft. high, 5 ft. base, around post.  
Thence I run  
S. 89° 50' W. on a true line between Secs. 25 and 36.  
Descend over brushy mesa, over a succession of dry washes, course N.
- 39.65 The quarter section corner.  
Land mountainous  
Soil 3rd rate  
Scattering juniper timber  
Dense undergrowth of same and yucca.  
Mountainous land, 79.30 chs.
- - - - -

Boundary line of San Gabriel Forest Reservation  
Along E. Bdy. of T.5 N., R. 10 W.

From the corner to Secs. 25, 30, 31 and 36 on E. bdy. of  
T.5 N., R. 10 W.

I run

S. on a random line between Secs. 31 and 36.

39.95 To a point 10 lks. west of old quarter section corner where  
I find a portion of an old post, in a small mound, with traces  
of pits. I destroyed old corner, and to remark same set a  
juniper post, 3 ft. long, 3 inches square, with marked stone,  
24 inches in the ground, marked 1/4 S. on W. face, dug pits  
18x18x12 inches N. and S. of post, 3 ft. distant and raised  
a mound of earth, 1 1/2 ft. high, 2 ft. base, W. of corner. I  
also marked post S.G.F.R. on W. face.

Thence I run

N. 0° 09' W. on a true line between Secs. 31 and 36.

Descend gradually

33.15 Irrigating ditch, 10 lks. wide, course W.

39.95 The corner to Secs. 25, 30, 31 and 36.

From the quarter sec. cor. I continue S.

40.05 To a point 35 lks. west of old corner to Twp. 4 and 5 N.,  
R. 9 and 10 W., where I find a badly decayed post, with traces  
of earth mound and pits. I destroyed old corner and to remark  
same and establish corner No. 57 on bdy. of San Gabriel Forest  
Reservation, I set a square, hollow, iron post, filled with  
cement, etc., 3 ft. long, the sides 4 inches wide at top,  
increasing to 12 inches wide at bottom, 12 inches in the  
ground, marked

T.5 N., S. 31 on N.E.

R.9 W., S. 6 on S.E.

S.G.F.R. 51 T.4.N., S. 1 on S.W. and

R.10 W., S. 36 on N.W. faces, dug pits 36x36x12 inches N. &  
E. of post, 4 feet distant, and raised a mound of earth, 1 1/2  
ft. high, 5 ft. base, around post.

Boundary line of San Gabriel Forest Reservation  
Along E. Bdy. of T.5 N., R.10 W.

Thence I run

N. 0° 30' W. on a true line between Secs. 31 and 36.

Descend

14.00 A mining shaft, 10 ft. square, 50 ft. deep, bears E., 1.00  
chs. distant, copper ledge visible.

40.05 The quarter section corner.

Land mountainous.

Soil 3rd rate

Scattering juniper timber

Dense undergrowth of same and yucca.

Mountainous land 80.00 chs.

- - - - -

Boundary line of San Gabriel Forest Reservation.  
Along N. Bdy. T.4 N., R.9 W., S.B.M.

From the re-established corner to T.4 and 5 N., R. 9 and 10 W.,  
I run

E. on a random line between Secs. 6 and 31.

40.30 To a point 79 lks. north of quarter section corner, where I  
find a decayed post, lying on the ground, with traces of earth  
mound and pits, which I destroy. To remark corner, I set a  
juniper post, 3 ft. long, 4 inches square, with marked stone,  
24 inches in the ground, marked 1/4 S. on N. face, dug pits  
18x18x12 inches E. and W. of post, 3 ft. distant, and raised  
a mound of earth, 1 1/2 ft. high, 2 ft. base, N. of corner.  
I also marked post S.G.F.R. on S. face.

Thence I run

N. 88° 53' W. on a true line between Secs. 6 and 31.

Ascend gradually.

40.31 The corner to T.4 and 5 N., R. 9 and 10 W.

From the quarter section corner I continue E.

Boundary line of San Gabriel Forest Reservation  
Along N. Bdy. T.4 N., R.9 W., S.B.M.

- 39.80 To a point 2.00 chs. N. of corner to Secs. 5, 6, 31, and 32,  
Where I find a post lying on the ground with marks legible,  
but no other trace of corner. No trees with marks on them.  
To remark corner I set a juniper post, 3 1/2 ft. long, 4  
inches square, 24 inches in the ground marked  
T.5 N., S. 32 on N.E. S.G.F.R.  
R.9 W., S. 5 on S.E.  
T. 4 N., S. 6 on S.W. and  
S. 31 on N.W. faces, with 5 notches on E. and 1 notch  
on W. edges; from which bears a juniper post, 10 inches  
diam., S. 16 1/2° E. 80 lks. distant which I marked  
T.4 N., R. 9 W., S.G.F.R. S.5 B.T.  
A juniper 8 inches diam., S.80° W., 83 lks. distant which I  
marked  
T. 4 N., R. 9 W., S.G.F.R. S.6 B.T.  
No other trees within limits; dug pits 18x18x12 inches, in  
Secs. 31 and 32, 5 1/2 ft. distant and raised a mound of earth  
2 ft. high, 4 ft. base, W. of corner.  
Thence I run  
N. 87°07' W. on a true line between Secs. 6 and 31. Descend  
0.10 Road, bears N.80° W., and S. 80° E.  
8.60 Road, bears N. 80° W. and S. 80° E.  
10.00 Descend bluff, 50 ft. high.  
15.10 Rio del Llano, 20 lks. wide, 10 inches deep, course N. Ascend.  
23.00 Irrigating ditch, 3 lks. wide, course N.  
39.85 The quarter section corner.  
Land mountainous  
Soil 3rd rate  
Scattering juniper timber  
Dense undergrowth of same and yucca.  
Mountainous land, 80.15 chains.

Boundary line of San Gabriel Forest Reservation  
Along N. Bdy. T.4 N., R.9 W., S.E.M.

From the corner to Secs. 5, 6, 31 and 32

I run

E. on a random line between Secs. 5 and 32

39.98

To a point 5 lks. S. of old quarter section corner, where I find a badly decayed post, set firmly in the ground, but no trace of bearing trees. I destroyed old post and in its place set a juniper post 3 ft. long, 4 inches square, with marked stone, 24 inches in the ground, marked  $1/4$  S. on N. face, dug pits 18x18x12 inches E. and W. of post, 3 ft. distant and raised a mound of earth, 1  $1/2$  ft. high, 2 ft. base, N. of corner.

I also marked post S.G.F.R. on S. face.

Thence I run

S.  $89^{\circ}56'$  W. on a true line between Secs. 5 and 32.

Over rolling brushy mesa

38.48

Leave mesa, bears N. and S. Descend.

39.98

The corner to Secs. 5, 6, 31 and 32.

From the quarter section corner, I continue E.

40.14

To a point 6 lks. S. of old corner to Secs. 4, 5, 32 and 33, which is a decayed post, in a small earth mound, which I destroyed.

To remark corner I set a juniper post, 4 ft. long, 4 inches square, with marked stone, 24 inches in the ground, marked

T.5 N., S.33 on N.E., S.G.F.R.

R.9 W., S.4 on S.E.

T. 4 N., S.5 on S.W. and

S.32 on N.W. faces with 4 notches on E. and 2 notches on W. edges; dug pits 18x18x12 inches in each sec. 5  $1/2$  ft. distant, and raised a mound of earth 2 ft. high, 3  $1/2$  ft. base, W. of corner.

Thence I run

S.  $89^{\circ}55'$  W. on a true line between Secs. 5 and 32.

Boundary line of San Gabriel Forest Reservation  
Along N. Ely. T. 4 N., R. 9 W., S. B. M.

Over rolling mesa,

.06

Wood road bears N. and S.

40.14

The quarter section corner.

Land mountainous and rolling

Soil 2nd and 3rd rate

Scattering juniper timber

Dense undergrowth of same and yucca 80.12 chs.

Mountainous land 1.50 chs.

October 7, 1896.

Oct. 8th at 8h 00m A.M., l.m.t., I set off  $34^{\circ}25'$  N. on the lat. arc,  $6^{\circ}13'$  S. on the decl. arc and mark a true meridian, with the solar, at the corner to Secs. 4, 5, 32 and 33, previously described.

From the corner to Secs. 4, 5, 32 and 33,

I run

E. on a random line between Secs. 4 and 33.

40.03

To old quarter section corner, where I find a badly decayed post, marks legible, but no other traces of corner, I destroyed same and in its place, set a juniper post,  $2\frac{1}{2}$  ft. long,  $3\frac{1}{2}$  inches square, with marked stone, 24 inches in the ground, marked  $\frac{1}{4}$  S. on N. face, and raised a mound of stone,  $1\frac{1}{2}$  ft. high, 2 ft. base, N. of corner.

Pits impracticable.

I also marked post S.G.F.R. on S. face.

Thence I run

W. on a true line between Secs. 4 and 33, over rolling, brushy mesa.

1.03

Wood road bears N.W. and S.E. in wash, course N.W.

40.03

The corner to Secs. 4, 5, 32 and 33.

Boundary line of San Gabriel Forest Reservation  
Along N. Bdy. T.4 N., R.9 W., S.B.M.

From the quarter section corner I continue E.

39.95 To a point 35 lks. N. of old corner to Secs. 3, 4, 33 and 34, where I find a small earth mound and traces of pits, but no other signs of corner.

To remark same, and to establish corner No. 52 on Bdy. of San Gabriel Forest Reservation, I set a square, hollow, iron post, filled with cement, 3 ft. long, the sides 4 inches wide, at the top, increasing to 12 inches at the bottom, 12 inches in the ground, marked

T.5 N., S. 34 on N.E.

R. 9 W., S. 3 on S.E.

S.G.F.R. 52 T.4 N., S. 4 on S.W. and

S.33 on N.W. faces, dug pits, 36x36x12 inches N. and S. of post, 4 ft. distant, and raised a mound of earth, 1 1/2 ft. high, 5 ft. base, around post.

Thence I run

N. 89°27' W. on a true line between Secs. 4 and 33, over rolling, brushy mesa. Descend.

39.95 The quarter section corner.

Land rolling

Soil 3rd rate

Scattering juniper timber

Dense undergrowth of same and yucca, 79.98 ahs.

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From the corner to Secs. 3, 4, 33 and 34

I run

E. on a random line between Secs. 3 and 34.

40.05 To a point 35 lks. N. of old quarter section corner where I find a badly decayed post, set firmly in the ground, but no other trace of corner or bearing trees. I destroy old post and to remark corner, set a juniper post, 3 ft. long, 4 inches square, with marked stone 24 inches in the ground, marked

Boundary line of San Gabriel Forest Reservation

Along N. Bdy. T. 4 N., R. 9 W., S. B. W.

1/4 S. on N. face, dug pits 18x18x12 inches E. and W. of post, 3 ft. distant, and raised an earth mound, 1 1/2 ft. high, 2 ft. base, N. of corner. I also marked post

S.G.F.R. on S. face

Thence I run

N. 89° 30' W. on a true line between Secs. 3 and 34

Descend over rolling, brushy mesa

20.05 Wash, 20 lks. wide, course N.

40.05 The corner to Secs. 3, 4, 33 and 34.

From the quarter section corner I continue E.

39.95 To a point 5 lks. N. of corner to Secs. 2, 3, 34 and 35, which is a badly decayed post, in small earth mound, from which bears

A cedar 10 inches diam., N. 65° W., 35 lks. distant,  
marked T. 5 N., R. 9 W., S. 34 B.T.

I destroyed old post and in its place set a juniper post, 2 1/2 ft. long, 3 inches square, 24 inches in the ground, marked  
T. 5 N., S. 35 on N.E. S.G.F.R.

R. 9 W. S. 2 on S.E.

T. 4 N., S. 3 on S.W. and

S. 34 on N.W. faces, with 2 notches on E. and 4 notches on W. edges, from which bears a cedar 10 inches diam.; S. 40° W, 91 lks. distant, which I marked T. 4 N., R. 9 W., S.G.F.R. S. 3 B.T. No other trees within limits; raised a mound of stone 1 1/2 ft. high, 2 ft. base, W. of corner.

Pits impracticable.

Thence I run

N. 89° 56' W. on a true line between Secs. 3 and 34, over rolling, brushy mesa.

5.00 Wash, 25 lks. wide, course N.

16.00 Wash, 100 lks. wide, course N.

39.95 The quarter section corner.

Boundary line of San Gabriel Forest Reservation

Along N. Edy. T. 4 N., R. 9 W., S.B.M.

Land rolling

Soil 2nd and 3rd rate

Scattering juniper timber

Dense undergrowth of same and yucca, 80.00 chs.

- - - - -

From the corner to Secs. 2, 3, 34 and 35

I run

E. on a random line between Secs. 2 and 35

40.02

To a point 45 lks. N. of old quarter section corner which is badly decayed post in a small earth mound which I destroy. To remark corner I set a juniper post 3 ft. long, 4 inches square, with marked stone 24 inches in the ground, marked 1/4 S. on N. face, and raised a mound of stone, 1 1/2 ft. high, 2 ft. base, N. of corner.

Pits impracticable.

I also mark a post S.G.F.R. on S. face

Thence I run

N. 89° 21' W. on a true line between Secs. 2 and 35.

Descend gradually over mesa covered with dense undergrowth of juniper, yucca, etc.

5.02

Wash, 100 lks. wide, course N.

20.52

Wash, 100 lks. wide, course N.

40.02

The corner to Secs. 2, 3, 34 and 35.

From the quarter section corner, I continue E.

39.99

To a point 1 lk. S. of corner to Secs. 1, 2, 35, 36 which is a post in small earth mound, no marks visible. I destroy same and to remark corner, set a juniper post, 4 inches square, with marked stone 24 inches in the ground, marked

T. 5 N., S. 36 on N.E. S.G.F.R.

R. 9 W., S. 1 on S.E.

T. 4 N., S. 2 on S.W. and

Boundary line of San Gabriel Forest Reservation

Along N. Bdy. T. 4 N., R. 9 W., S.B.M.

S. 35 on N.W. faces, with 1 notch on E, and 5 notches on W. edges, and raised a mound of stone 1 1/2 ft. high, 2 ft. base, W. or corner.

Pits impracticable.

Thence I run

S. 89° 59' W. on a true line between Secs. 2 and 35

Over rolling, brushy mesa

0.51 Dry wash, 100 lks. wide, course N.

30.26 Dry wash, 100 lks. wide, course N.

39.99 The quarter section corner.

Land rolling

Soil 2nd and 3rd rate

Scattering juniper timber

Dense undergrowth of sage and yucca, 80.00 chains.

- - - - -

From the corner to Secs. 1, 2, 35 and 36

I run

E. on a random line between Secs. 1 and 36.

39.92 To a point 6 lks. S. of old quarter section corner, the locus of which I establish from the following bearing tree viz:-

A cedar 8 inches diam., N. 65° E., 125 lks. distant  
marked 1/4 S.B.T.

I find no other trace of corner, and to remark same set a juniper post, 2 1/2 ft. long, 3 inches square, 24 inches in the ground marked 1/4 S. on N. face, dug pits 18x18x12 inches E. and W. of post, 3 ft. distant, and raised a mound of earth 1 1/2 ft. high, 2 ft. base, N. of corner.

Also marked post S.G.F.R. on S. face.

Thence I run

N. 89° 55' W. on a true line between Secs. 1 and 36

Boundary line of San Gabriel Forest Reservation

Along N. Bdy. T. 4 N., R. 9 W., S.B.M.

Descend gradually over brushy mesa

13.42 Road bears N. 20° W. and S. 20° E. in wash, 100 lks. wide  
Course N. 20° W.

33.42 Dry wash, 30 lks. wide, course N. 20° W.

39.92 The corner to Secs. 1, 2, 35 and 36.

From the quarter section corner, I continue E.

40.08 To a point 4 lks. S. of old corner to Twp. 4 and 5 N.,  
R. 8 and 9 W., where I find a badly decayed post, but no other  
trace of corner. I destroyed same and to remark corner and  
establish Corner No. 53 on bdy. of San Gabriel Forest  
Reservation, I set a square, hollow, iron post, filled with  
cement, etc., 3 ft. long, the sides 4 inches wide at top,  
increasing to 12 inches wide at the bottom, 12 inches in the  
ground, marked,

T. 5 N., S. 31 on N.E.

R. 8 W., S. 6 on S.E.

S.G.F.R. S. 3, T. 4 N., S. 1 on S.W. and

R. 9 W., S. 36 on N.W. faces; dug pits 36x36x12 inches,  
S. and W. of post, 4 ft. distant and raised an earth mound,  
1 1/2 ft. high, 5 ft. base, around post.

Thence I run

S. 89° 57' W. on a true line between Secs. 1 and 36

Over rolling mesa, covered with dense undergrowth of juniper  
and yucca.

5.25 Dry wash, 100 lks. wide, course N.W.

24.00 Dry wash, 100 lks. wide, course N.W.

40.08 The quarter section corner.

Land rolling

Soil 2nd and 3rd rate

Scattering juniper timber

Dense undergrowth of same and yucca - 80.00 chs.

October 8, 1896.

Boundary line of San Gabriel Forest Reservation

Along N. Bdy. T. 4 N., R. 9 W., S.B.M.

October 9th at 7h 30m A.M., l.m.t., I set off  $34^{\circ} 30'$  N. on the lat. arc,  $6^{\circ} 36'$  S. on the decl. arc and mark a true meridian with the solar, at the corner to Twp. 4 and 5 N., R. 8 and 9 W., previously described.

From the corner to Twp. 4 and 5 N., R. 8 and 9 W.,  
I run

S. on a random line between Secs. 1 and 6.

40.00 To a point 6 lks. E. of quarter section corner the locus of which I determine from the following bearing trees, being unable to find any other trace of corner, viz:-

A cedar 10 inches diam., N.  $13^{\circ}$  E. 86 lks. distant, marked  $\frac{1}{4}$  S.B.T.

A cedar 8 inches diam., S.  $50^{\circ}$  W. 41 lks. distant, marked  $\frac{1}{4}$  S.B.T.

To remark corner, I set a juniper post, 3 ft. long, 4 inches square, 24 inches in the ground, marked  $\frac{1}{4}$  S. on W. face, and raised a mound of stone 1  $\frac{1}{2}$  ft. high, 2 ft. base, W. of corner.

Pits impracticable.

Also marked post S.G.F.R. on W. face.

Thence I run

N.  $0^{\circ} 05'$  E. on a true line between Secs. 1 and 6.

Descend slowly, over rolling land, covered with a dense undergrowth of juniper and yucca.

40.00 The corner to T. 4 and 5 N., R. 8 and 9 W.

From the quarter section corner, I continue S.

40.02 To corner to Secs. 1, 6, 7 and 12 where I find a badly decayed post in a small earth mound, with traces of pits.

I destroy post and in its place, set a juniper post, 3 ft. long, 4 inches square, with marked stone, 24 inches in the ground, marked

T. 4 N., S. 6 on N.E.

R. 8 W., S. 7 on S.E. S.G.F.R.

R. 9 W., S. 12 on S.W. and

Boundary line of San Gabriel Forest Reservation

Along N. Bdy. T.4 N., R. 9 W., S.B.M.

S. 1 on N.W. faces, with 5 notches on S. and 1 notch on N. edges and raised a mound of stone, 1 1/2 ft. high, 2 ft. base, W. of corner.

Pits impracticable.

Thence I run

N. on a true line between Secs. 1 and 6.

Over rolling land

40.02 The quarter section corner

Land rolling

Soil 2nd and 3rd rate

Dense undergrowth of juniper and yucca, 80.02 chs.

No timber.

- - - - -

From the corner to Secs. 1, 6, 7 and 12

I run

S. on a random line between Secs. 7 and 12

40.10 To a point 3 lks. west of quarter section corner, I find a portion of an old post, on the ground, near a small earth mound, I destroyed same and to remark corner set a juniper post, 2 1/2 ft. long, 3 inches square, with marked stone, 24 inches in the ground, marked 1/4 S. on W. face and raised a mound of stone 1 1/2 ft. high. 2 ft. base, W. of corner.

Pits impracticable.

Also marked post S.G.F.R. on W. face.

Thence I run

N. 0°03' W. on a true line between Secs. 7 and 12.

Descend gradually over rolling land covered with dense brush.

40.10 The corner to Secs. 1, 6, 7 and 12.

From the quarter section corner I continue S.

39.91 To a point 7 lks. W. of old corner to Secs. 7, 12, 13 and 18, where I find a portion of an old mound, but no other trace of corner.

Boundary line of San Gabriel Forest Reservation

Along N. Bdy. T. 4 N., R. 9 W., S.B.M.

To remark same, I set a juniper post, 4 ft. long, 4 inches square, with marked stone, 24 inches in the ground, marked

T. 4 N., S. 7 on N.E.

R. 8 W., S. 18 on S.E.

R. 9 W., S. 13 S.G.F.R. on S.W. and

S. 12 on N.W. faces with 4 notches on S. and 2 notches on N. edges and raised a stone mound, 1 1/2 ft. high, 2 ft. base, W. of corner.

Pits impracticable.

Thence I run

N. 0°06' W. on a true line between Secs. 7 and 12.

Over rolling land

39.91 The quarter section corner

Land rolling

Soil 2nd and 3rd rate

Dense undergrowth of juniper and yucca, 80.01 chains.

No timber

- - - - -

From the corner to Secs. 7, 12, 13, 18

I run

S. on a random line between Secs. 13 and 18

17.00 To a pitch pine tree, 30 inches diam., marked as described by the Surveyor General;

Thence I run

N. on a true line between Secs. 13 and 18. Descend

3.00 Base of mountain, bears E. and W.

8.00 Wash, 50 lks. wide, course N.W. Ascend.

10.50 Top of spur, 90 ft. above wash, bears N.W. and S.E. Descend.

14.50 Base of spur, 105 ft. below top and over rolling brushy mesa.

17.00 The corner to Secs. 7, 12, 13 and 18.

Boundary line of San Gabriel Forest Reservation

Along N. Bdy. T.4 N., R. 9 W., S.B.M.

From the pitch pine tree above noted

I run

S. on a true line between Secs. 13 and 18. Ascend

Counting distances from section corner.

40.00 Set a juniper post 3 ft. long, 4 inches square, 24 inches in the ground for quarter section corner, marked 1/4 S. S.G.F.R. on W. faces, from which bears a pine 10 inches diam., N. 14° W. 72 lks. distant, marked 1/4 S. S.G.F.R. B.T.  
No other trees within limits; raised a stone mound 1 1/4 ft. high, 2 ft. base, W. of corner.

Pits impracticable.

62.00 Top of spur, bears N. 50° W., and S. 5° E., 500 ft. above quarter section corner. Descend.

80.00 Set temporary corner to Secs. 13, 18, 19 and 24.

Land mountainous and rolling

Soil 2nd and 3rd rate.

Scattering juniper timber.

Dense undergrowth of same and yucca, 80.00 chs.

Mountainous land 77.50 chs.

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Boundary line of San Gabriel Forest Reservation

Along E. Bdy., T.4 N., R.8 W., S.B.M.

I now proceed to corner of Secs. 13, 18, 19 and 24 on E. Bdy. of T. 4 N., R.8 W., where I find a decayed post in a large stone mound, I destroyed post and to remark corner and to establish corner No. 56 on bdy. of San Gabriel Forest Reservation, I set a square, hollow, iron post, filled with cement, 3 ft. long, the sides 4 inches wide at the top, increasing to 12 inches wide at the bottom, 12 inches in the ground, marked T.4.N., S. 18 on N.E.,

Boundary line of San Gabriel Forest Reservation

Along E. Bdy. T. 4 N., R. 8 W., S.B.M.

R. 7 W., S. 19 on S.E.

S.G.F.R. 56 R. 8 W., S. 24 on S.W. and

S. 13 on N.W. faces and dug pits, 36x36x12 inches S. and W. of post, 4 ft. distant and raised a mound of earth, 1 1/2 ft. high, 5 ft. base, around post.

Thence I run

W. on a random line between Secs. 13 and 24

40.00

After diligent search, failing to find any trace of old quarter section corner, I set temporary quarter section corner and continue W.

73.71

To old witness corner to Secs. 13, 14, 23 and 24, where I find a portion of an old mound; from which bears

A pine 10 inches diam., N. 19° E., 65 lks. distant, marked T. 4 N., R. 8 W., S. 13 W.C. B.T.

A pine 22 inches diam., S. 6° W., 33 lks. distant, marked T. 4 N., R. 8 W., S. 23 W.C. B.T.

Thence I run

E. on a true line between Secs. 13 and 24. Descend.

27.71

Road bears N. 20° E. and S. 20° W.

33.71

Set a juniper post 3 ft. long, 4 inches square, 24 inches in the ground for quarter section corner, marked 1/4 S. on N. face and S.G.F.R. on S. face, from which bears

A cedar 8 inches diam., N. 40° E., 20 lks. distant

marked 1/4 S.B.T. No other tree within limits; dug pits 18x18x12 inches west of post, 3 ft. distant and raised an earth mound, 1 1/2 ft. high, 3 ft. base, N. of corner.

37.21

Wash, 100 lks. wide, course N. 20° E., continue descent.

67.96

Gulch, 30 lks. wide, course N. 20° E, 300 ft. below witness corner. Ascend.

73.71

The corner to Secs. 13, 18, 19 and 24.

Boundary line of San Gabriel Forest Reservation

Along E. Edy. T. 4 N., R. 8 W., S.B.M.

From the witness corner, I run

W. on a true line between Secs. 13 and 24, counting distance from corner to Secs. 13, 14, 23 and 24.

74.00 Top of spur, bears N. 40° W., and S. 40° E. Descend.

80.00 The true point for corner to Secs. 13, 14, 23 and 24, falling on a steep slide not suitable place to mark, I continue W.

82.00 Base of spur, 200 ft. below top.

83.00 Center of wash, 50 lks. wide, course N.W. Continue descent.

(84.00) Set a pine post 3 ft. long, 4 inches square, with marked stone, 24 inches in the ground, for witness corner to Secs. 13, 14, 23 and 24, marked

W.C. T. 4 N., S. 13 on N.E.

R. 8 W., S. 24 on S.E.

S. 23 S.G.F.R. on S.W. and

S. 14 on N.W. faces, with 1 notch on E. and 3 notches on S. edges and raised a mound of stone, 1 1/2 ft. high, 2 ft. base, W. of corner.

Pits impracticable.

Corner set 4.00 chains W. of true point.

Land mountainous and broken

Soil 2nd and 3rd rate

Timber of juniper and cedar.

Dense undergrowth of sage and yucca, 84.00 chains.

Mountainous land, 26.00 chains.

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Counting distances from true point for Corner to Secs. 13, 14, 23 and 24,

I run

W. on a true line between Secs. 14 and 23, Descend abruptly.

2.00 Base of spur, 200 ft. below top of same.

3.00 Center of wash, 50 lks. wide, course N.W. Continue descent.

4.00 The witness corner to Secs. 13, 14, 23 and 24.

Boundary line of San Gabriel Forest Reservation

E. Bdy. T. 4 N., R. 8 W., S.E.W.

- 5.00 Center of dry wash, 100 lks. wide, course N.  
9.00 Ascend abruptly.  
29.00 Top of spur, 400 ft. above wash, bears N. and S. Descend.  
40.00 Set a pine post, 3 ft. long, 4 inches square, with marked stone, 24 inches in the ground, for quarter section corner marked  $1/4$  S. on N. face and S.G.F.R. on S. face and raised a mound of stone, 1  $1/2$  ft. high, 2 ft. base, N. of corner.  
Pits impracticable.  
42.00 Canada, 50 lks. wide, 100 ft. below top of spur, course N.W. Ascend.  
48.00 Top of spur, 200 ft. above Canada, bears N. and S. Descend.  
74.00 Wash, 100 lks. wide, 200 ft. below top of spur, course N.W., and over brushy, rough washes.  
80.00 Set a cedar post, 3 ft. long, 4 inches square, with marked stone 24 inches in the ground for corner to Secs. 14, 15, 22, 23, marked

T. 4 N., S. 14 on N.E.

R. 8 W., S. 23 on S.E.

S. 22 S.G.F.R. on S.W. and

S. 15 on N.W. face with 2 notches on E. and 3 notches on S. edges and raised a mound of stone, 3 ft. high, 5  $1/2$  ft. base, W. of corner.

Pits impracticable.

Land mountainous.

Soil 3 rd rate.

Timber of juniper and pine.

Dense undergrowth of same and yucca.

Mountainous land 80.00 chains.

October 9, 1896.

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Boundary line of San Gabriel Forest Reservation.

T. 4 N., R. 8 W., S.B.M.

Oct. 10th at 8h 00m A.M., l.m.t., I set off  $34^{\circ} 25'$  N. on the lat. arc,  $6^{\circ} 56'$  S. on the decl arc and mark a true meridian with the solar, at the corner to Secs. 14, 15, 22 and 23.

W. on a true line between Secs. 15 and 22 over brushy, mountainous land.

25.00

Ascend.

40.00

Set a pine post 3 ft. long, 4 inches square with marked stone, 24 inches in the ground, for quarter section corner marked  $1/4$  S. on N. face and S.G.F.R. on S. face and raised a mound of stone  $1\frac{1}{2}$  ft. high, 2 ft. base, N. of corner.

Pits impracticable.

59.00

To rolling table land, bears N. and S. covered with dense brush.

80.00

Set a square, hollow iron post, filled with cement, etc., 3 ft. long, the sides 4 inches wide, at the top, increasing to 12 inches wide at the bottom, 12 inches in the ground for corners to Secs. 15, 16, 21 and 22 also to mark corner No. 55 on bdy. of San Gabriel Forest Reservation, marked

T. 4 N., S. 15 on N.E.

R. 8 W., S. 22 on S.E.

S.G.F.R. 55 S. 21 on S.W. and

S. 16 on N.W. faces, dug pits  $36 \times 36 \times 12$  inches N. and S. of post, 4 ft. distant and raised a mound of earth,  $1\frac{1}{2}$  ft. high, 5 ft. base, around post.

Land mountainous and rolling.

Soil 3rd rate.

Scattering pine and juniper timber.

Dense undergrowth of same and yucca, 80.00 chains.

Mountainous land 59.00 chains.

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Boundary Line of San Gabriel Forest Reservation

T. 4 N., R. 8 W., S. B. M.

W. on a true line between Secs. 16 and 21.

Descend over rough, mountainous land.

6.00 Dry bed of Hessel Creek, 200 lks. wide, course N.

12.00 A house bears S. 36° W. 4.00 chains distant.

A house bears S. 4.50 chains distant.

A corral bears N. 1.50 chains distant.

15.00 Commence ascent.

26.65 Top of spur, 300 ft. high, bears N. and S. Descend.

38.00 Steep bluff, 75 ft. below top of spur, bears N. and S. Ascend.

40.00 A pine tree, 18 inches in diam., which I marked 1/4 S. on N. side and S.G.F.R. on S. side for quarter section corner, dug pits 18x18x12 inches E. and W. of tree, 4 ft. distant, and raised a mound of earth around tree.

49.00 Top of ridge, 800 ft. above foot of bluff, bears N. and S. and over rough mountainous land.

80.00 The true point for corner to Secs. 16, 17, 20 and 21 falling on E. side of steep spur, not a suitable place to mark, I continue W. and at

86.16 On top of spur, 200 ft. high, bears N. and S. 6.16 chains W. of true point, I set an oak post 3 ft. long, 4 inches square, with marked stone, 24 inches in the ground for witness corner to Secs. 16, 17, 20 and 21 marked

W.C. T. 4 N., S. 16 on N.E.

R. 8 W. S. 31 on S.E.

S. 20 S.G.F.R. on S.W. and

S. 17 on N.W. faces with 3 notches on S. and 4 notches on E. edges and raised a mound of stone 2 1/2 ft. base and 1 1/2 ft. high, W. of corner.

Pits impracticable.

Land mountainous.

Soil 3rd rate.

Scattering of pine and juniper timber.

Dense undergrowth of same and yucca.

Mountainous land, 86.16 chains.

Boundary line of San Gabriel Forest Reservation

Through T. 4 N., R. 5 W., S. 8 N.

From the true point for corner to Secs. 16, 17, 20 and 21,

I run

W. on a true line between Secs. 17 and 20. Ascend.

- 6.16 Witness Corner to Secs. 16, 17, 20 and 21 as previously described, on top of spur, thence over broken washes and rough land.
- 14.40 Top of white granite spur, bears N. 5° W. and S. 5° E. Descend.
- 27.00 Bed of canon, 300 ft. below top of spur, course N. Ascend.
- 40.00 The true point for quarter section corner falling on E. side of steep spur, not a suitable place to mark, I continue W. and at
- 47.88 On top of spur, 400 ft. above canon, bears N. and S., 7.88 chains W. of true point for quarter section corner, set a pine post 3 ft. long, 4 inches square, with marked stone, 24 inches in the ground, alongside a granite boulder, 10 ft. square, for witness corner to quarter section corner, marked W.C. 1/4 S. on N. face, S.G.F.R. on S. face and raised a mound of stone, 1 1/2 ft. high, 2 ft. base, N. of corner.

Pite impracticable.

Thence over a succession of rough washes and sharp spurs.

- 73.00 Summit of ridge, 400 ft. above quarter section corner, bears N.W. and S.E. Descend.
- 80.00 Set an oak post 3 1/2 ft. long, 4 inches square, with marked stone 24 inches in the ground for corner to Secs. 17, 18, 19, 20, marked

T. 4 N., S. 17 on N.E.

R. 5 W., S. 20 on S.E.

S. 19 S.G.F.R. on S.W. and

S. 18 on N.W. faces with 3 notches on S. and 5 notches on E. edges and raised a mound of stone 1 1/2 ft. high, 2 ft. base W. of corner.

Boundary line of San Gabriel Forest Reservation

Through T.4 N., R. 8 W., S.B.M.

Pits impracticable.

Land mountainous.

Soil 3rd rate

Scattering pine and oak timber

Dense undergrowth of same.

Mountainous land 80.00 chains.

- - - - -

W. on a true line between Secs. 18 and 19. Descend.

9.50 Bed of dry arroyo, 300 ft. below last ridge, course N.

A spring of clear water bears N. 2.00 chains distant.

10.50 Ascend.

30.00 Summit of ridge, 500 ft. above arroyo, bears N. and S. and along same.

38.50 Commence descent.

40.00 Set an oak post 2 1/2 ft. long, 3 inches square, 24 inches in the ground for quarter section corner marked 1/4 S. on N. face and S.G.F.R. on S. face from which bears

A white oak, 11 inches diam., N. 50° W., 22 lks. distant marked 1/4 S.B.T.

No other trees within limits; raised a mound of stone 1 1/2 ft. high, 2 ft. base, N. of corner.

Pits impracticable.

80.30 Intersect W. bdy of Twp., 2 lks. S. of temporary corner to Secs. 13, 18, 19 and 24 previously set by me and to mark closing corner to Secs. 18 and 19 also to establish Cor. No. 54 on

Bdy. of San Gabriel Forest Reservation, I set a hollow iron post filled with cement, etc., 3 ft. long, the sides 4 inches wide at top, increasing to 12 inches wide at bottom, 12 inches in the ground, marked

T. 4 N., R. 8 W. on E.

C.C. on W.

Boundary line of San Gabriel Forest Reservation

Through T. 4 N., R. 8 W., S.B.M.

S. 18 on N. and

S.G.F.R. 54 S. 19 on S. faces;

from which bears: A pine 36 inches diam., N. 57° E., 88 lks.  
distant, marked T.4 N., R.8 W., S. 18 B.T.

No other tree within limits, dug pits 36x36x12 inches N. and  
E. of post, 4 ft. distant, and raised a mound of earth, 1 1/2  
ft. high, 5 ft. base, around post.

Land mountainous.

Soil 4th rate

Scattering pine and oak timber.

Dense undergrowth of same

Mountainous land, 80.30 chains.

Oct. 10, 1896.

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Oct. 12 at 8h 00m A.M. p.m.t., I set off 34°25' N. on the  
lat. arc, 7° 43' S. on the decl. arc and mark a true line  
with the solar, at the corner to Secs. 13, 18, 19, 24 on E. Bdy.  
T.4 N., R. 8 W., previously described.

From the corner to sections 13, 18, 19 and 24 on the East  
boundary of T. 4 N., R. 8 W., S.B.M. previously established  
by me I run

S. on a random line between Sections 19 and 24.

40.02

To old 1/4 section corner where I find decayed post in stone  
mound, I destroy post and in its place set a juniper post  
3 1/2 ft. long, 4 inches square, with marked stone 24 inches  
in the ground marked 1/4 S. on W. face and rebuild stone  
mound around same.

Pits impracticable.

Also marked post S.G.F.R. on W. face

Thence I run

N. on a true line between sections 19 and 24.

Descend over rolling land.

3.77

Dry arroyo 30 lks. wide, course N.E.

Boundary line of San Gabriel Forest Reservation

Through T.4 N., R. 8 W., S.B.M.

Ascend over rolling land.

40.02 The corner to sections 13, 18, 19 and 24.

From the 1/4 section corner I continue south

40.01 To a point 3 lks. E. of the old corner to Secs. 19, 24, 25 and 30, which is a partly decayed post in small stone mound which I destroy to re-mark corner I set a juniper post 3 ft. long, 4 inches square, with marked stone 24 inches in the ground, marked

T. 4 N., S. 19 on N.E.

R. 7 W., S. 30 on S.E.

R. 8 W., S. 25 S.G.F.R. on S.W. and

S. 24 on N.W. faces, with 2 notches on the S. and 4 notches on the N. edges and raised mound of stone 1 1/2 ft. high, 2 ft. base, W. of corner.

Pits impracticable.

Thence I run

N. 0° 03' E. on a true line between Sections 19 and 24

Descend over rolling land

40.01 The 1/4 section corner.

Land rolling

Soil 3rd rate.

Scattering juniper timber.

Dense undergrowth of cane and yucca, 50.03 chains.

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From the corner to sections 19, 24, 25 and 30,

I run,

S. on a random line between sections 25 and 30

40.00 To a point 6 lks. S. of old 1/4 section corner, which is a granite stone set firmly in the ground marked S.G.F.R. 1/4 on W. face,

Boundary line of San Gabriel Forest Reservation  
Through T. 4 N., R. 8 W., S.E.M.

From which bears a

Pine 10 inches diam., S. 60° W., 20 lks. distant  
marked 1/4 S.E.T.

I raised stone mound 1 1/2 ft. high, 2 ft. base, W. of corner.  
Pits impracticable.

Thence I run

N. 0° 05' E. on a true line between sections 25 and 30  
Descend over rolling land.

10.00 East bank of gulch 35 ft. deep.

22.05 West bank of gulch, course N. 20° E.

Continue descent.

40.00 The corner to sections 19, 24, 25 and 30.

From the 1/4 section corner

I run

S. on a random line along east boundary of Twp. setting  
temporary corners at every 40.00 chains and at 119.70 chains  
arrive at the point 15 lks. E. of old corner to T. 3 and 4 N.,  
R. 7 and 8 W., which is a granite stone set firmly in the  
ground marked with 6 notches on the N, E, and W. edges,  
From which bears,

Mahogany 8 inches diam., N. 9° E., 10 lks. distant  
marked T. 4 N., R. 7 W., S. 31 B.T.

Nut pine 15 inches diam., S. 41 1/4° E., 22 lks. distant  
marked T. 3 N., R. 7 W., S. 6 B.T.

Nut Pine 7 inches diam., S. 17 1/2° W., 38 lks. distant  
marked T. 3 N., R. 8 W., S. 1 B.T.

To establish corner No. 57 on boundary of San Gabriel Forest  
Reservation, I set a square, hollow iron post filled with  
cement, etc., 3 ft. long, the sides 4 inches wide at the top  
increasing to 12 inches wide at the bottom, 12 inches in the  
ground, marked

Boundary line of San Gabriel Forest Reservation

Through T. 4 N., R. 8 W., S.E.N.

T. 4 N., S. 31 on N.E.

R. 7 W., S. 6 on S.E.

S.G.F.R. 57, T. 3 N., S. 1 on S.W. and

R. 8 W., S. 36 on N.W. faces

dug pits 36x36x12 inches N. and E. of post, 4 ft. distant,  
and raised mound of earth, 1 1/2 ft. high, 5 ft. base around  
post which is set along side the old corner stone.

Thence I run

N. 0° 04' E. on a true line between section 31 and 36

Ascend along side of canon.

8.70 Edge of canon 120 ft. above Twp. corner, course N.E. and  
over rough, broken mountain.

Descending.

28.15 The true point for 1/4 section corner falling at this point  
which is 11.85 chains S. 0° 04' W. from true point, I marked  
a pine tree 36 inches diam., S.G.F.R., W.C. 1/4 S. on W. face  
for witness corner to 1/4 S. corner and raised mound of stone.  
Pits impracticable.

39.70 True point for 1/4 section corner.

54.50 North bank of deep gorge 125 ft. deep, course N. 60° W. and  
continue descending.

79.80 Set a pine post 3 1/2 ft. long, 5 inches square, with marked  
stone 24 inches in the ground for corner to sections 25, 30, 31  
and 36 marked

T. 4 N., S. 30 on N.E.

R. 7 W., S. 31 on S.E.

R. 8 W., S. 36 S.G.F.R. on S.W. and

S. 25 on N.W. face, with 1 notch on the S. and 5 notches  
on the N. edges and raised a mound of stone 1 1/2 ft. high,  
2 ft. base, W. of corner.

Boundary line of San Gabriel Forest Reservation

T. 4 N., R. 8 W., S.B.M.

Pits impracticable.

Land mountainous.

Soil 3rd rate.

Scattering pine and juniper timber.

Undergrowth of same.

Mountainous land 79.70 chains.

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N. 0°04' E. on a true line between sections 25 and 30. Descend.

28.00

Base of Sierra Madre Mts. bears E. and W. and descend.

39.90

The 1/4 section corner.

~~Land~~ Land mountainous.

Soil 3rd rate

Scattering pine and juniper timber.

Dense undergrowth of same and yucca, 80.00 chains.

Mountainous land 25.00 chains.

Lewis Outting.

Oct. 12, 1896.

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Along N. Bdy. T. 3 N., R. 7 W., S.B.M.

At the corner of T. 3 and 4 N., R. 7 and 8 W., in Lat. 34°23'

N., Long. 117° 40' W., at 5h 33m A.M., l.m.t., I observe

Polaris at Western elongation in accordance with instructions

in the Manual and marked a line, thus determined by task in

wooden plug set in the ground 5 chains N. of my station.

Oct. 13 at 7h 30m, I lay off the azimuth of polaris 1°30' E.

and mark a true meridian, thus determined by cutting a mark

on a stone set firmly in the ground, west of point established  
last night.

Boundary line of San Gabriel Forest Reservation

Along N. Bdy. T.3 N., R.7 W., S.B.M.

The magnetic bearing of said true meridian is N.14° 56' W., giving by reduction the mean magnetic decl. 14° 54' E.

At 8h 00m A.M., l.m.t., I set off 34° 25' N. on the Lat. arc and 8° 06' S. on decl. arc and mark a true meridian with the solar at corner to T.3 and 4 N., R. 7 and 8 W., previously described.

From the corner to Twp. 3 and 4 N., R. 7 and 8 W.,

I run

E. on a random line between Secs. 6 and 31.

40.10

To a point 3 lks. N. of old quarter section corner which is a limestone 16x25x4 inches above ground marked as described by Surveyor General but no trace of mound.

To further mark corner I set a pine post 3 ft. long, 4 inches square, 24 inches in ground alongside of stone marked 1/4 S. on N. face, from which bears

A pine 8 inches diam., S. 22° W., 22 lks. distant marked 1/4 S.B.T.

No other tree within limits, raised a mound of stone 1 1/2 ft. high, 2 ft. base, N. of corner.

Pits impracticable.

Also marked post S.G.F.R. on S. face

Thence I run

N. 89° 57' W. on a true line between Secs. 6 and 31. Descend.

8.10

Gulch 25 lks. wide, 200 ft. below quarter section corner, course N.W. Ascend.

12.10

Top of spur, 150 ft. above gulch, bears N.W. and S.E. Descend.

22.10

Gulch 50 lks. wide, 175 feet below top of spur, course N.W. Ascend.

40.10

The corner to Twps. 3 and 4 N., Rs. 7 and 8 W.

From the quarter section corner I continue E.

Boundary line of San Gabriel Forest Reservation.

Along N. Bdy. T. 3 N., R. 7 W., S.B.M.

39.95 To a point 5 lks. N. of corner to Secs. 5, 6, 31, 32, which is limestone marked and witnessed as described by Surveyor General, from which bears

A pine 12" diam., N. 10° W. and 15 lks. distant, marked  
T. 4 N., R. 7 W., S. 31 B.T.

No other tree within limits.

Marked stone S.G.F.R. on S. face

Thence N. 89° 56' W. on a true line between Secs. 6 and 31.

Ascend.

16.05 Top of spur 400 ft. above section corner, bears N. 10° E. and  
S. 10° W.

Descend abruptly.

29.10 Gulch 25 lks. wide, 300 ft. below top of spur, course N. 20° W.  
Ascend abruptly.

39.95 The quarter section corner on top of spur 500 ft. above gulch,  
bears N.W. and S.E.

Land mountainous.

Soil 4th rate

Scattering pine timber

Dense undergrowth of sage and manzanita.

Mountainous land, 80.05 chains.

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