

FIELD NOTES

Township 4 North, Range 12 West.  
Copied from notes loaned by Mr. Douglas, Forest Ranger, Saugus.

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

*The attached notes are for lines  
shown red.*

S. E. T. 5 N., R. 12 W. S. B. M.

From the cor. to secs. 3, 4, 33 & 34, which I find standing and agreeing with field notes, I run East on S.E. of sec. 34.

Va. 14°25'E.

Descend  
40.00 Set post 4 in. dia. 1 ft. in earth 1 ft. above stone mound 4 ft. in dia. at base by 2 ft. in height for  $\frac{1}{4}$  sec. cor.  
64.50 Enter valley, brs. N. & S.  
76.00 Leave valley and ascend  
80.00 Set post 4 in. sq. 1 ft. in earth 1 ft. above stone mound  $4\frac{1}{2}$  ft. in dia. at base by 2 ft. in height for cor. to secs. 2, 3, 34 & 35.  
Land mountainous, soil 2nd. & 3rd. rate.  
Timber & undergrowth of oak & cedar.

East on S.E. of sec. 35

Va. 14°25'E.

Ascend  
22.50 Summit of spur brs. N.E. & S.W. & descend  
40.00 Set post 4 in. dia. 1 ft. in earth 1 ft. above stone mound 4 ft. in dia. at base by 2 ft. in height for  $\frac{1}{4}$  sec. cor.  
53.50 Cross gulch 25 lks. wide course S.W. & ascend  
80.00 Set post 4 in. sq. 1 ft. in earth 1 ft. above stone mound  $4\frac{1}{2}$  ft. in dia. at base by 2 ft. in height for cor. to secs. 1, 2, 35 & 36.  
Land mountainous, soil 2nd. rate.  
Timber & undergrowth of oak & cedar

East on S.E. of sec. 36.

Va. 14°25'E.

Along S. slope  
40.00 Set post 4 in. dia. 1 ft. in earth, 1 ft. above stone mound 4 ft. in dia. at base by 2 ft. in height for  $\frac{1}{4}$  sec. cor.  
57.00 Cross ravine 15 lks. wide course S.W. & ascend.  
80.00 Set post 4 in. sq. 1 ft. in earth 1 ft. above stone mound  $4\frac{1}{2}$  ft. in dia. at base by 2 ft. in height for cor. to Tps. 4 & 5 N. Rs. 12 W. S. B. M.  
Land mountainous, soil 2nd. & 3rd. rate.  
Timber & undergrowth of oak & cedar.

Vol. 162-34  
G.B.J.

Nov. 7, 1879  
W.H. Norway

E. B. T. 4 N., R. 12 W. S. B. M.

I begin at the post of iron filled with cement and set in a mound of earth from pits dug in each sec. having letters and figures raised thereon designating the cor. of Tps. 4 & 5 N., Rs. 11 & 12 W. together with the marks S.G.F.R. 44 also molded in the iron for post No. 44 of the bdy. of the San Gabriel Forest Reservation; shown me as such cor. & bdy. post by J. Victor Jesse, Compassman, for surveyors then locating said bdy.

Thence I run by prolonging the meridian found as above stated South bet. secs. 1 & 6.

Through scattering pines now mostly cut & removed

Ascend & over spurs of Mts. which rise to the S.E.

0.50 Top of spur brg. N.W. +30  
2.75 Bottom of valley brg. N.W. -10  
4.75 Top of spur brg. N.W. x150  
9.00 Descend bluff brg. nearly W.  
13.00



55.00	Leave wash.	
56.40	Cross N. point of a spur bet. ravine	x 10
58.40	Ravine & wash 50 lks. wide course W. thence ascend	-10.
59.50	Top of bluff, edge of mesa, enter thick brush	x15
63.30	Leave mesa, descend	-10
64.50	Foot of N. bluff, ravine (wash) 100 lks. wide course W.	-20
66.60	Top of S. bluff, edge of mesa gently ascending to S.E.	x20
	Enter dense brush, greasewood	
80.00	Set a stone 26 x 12 x 10 ins. in the ground for cor. to secs. 7, 12, 13 & 18; cut 2 notches on the N. & 4 notches on the S. edges; T. 4 N., R. 12 W., on N.W. & R. 11 W. on N.E. faces; raised a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.	x45
	Land mountainous & mesa, soil loam & stone, 2nd. & 3rd. rates.	
	Timber pines & oak of a scrubby sort.	
	Mountainous land, dense brush 80 chs.	
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	South bet. secs. 13 & 18.	
	Over mesa inclining to the N.W. & through close short brush.	
10.00	Enter scattering pines	
15.70	Top of low ridge or swell of land	x100
20.20	Bottom of ravine & foot of mountain, course W. of N. & then N.W.	-20
	Ascend through considerable pine with some oak	
32.20	Top of ridge E. & W. connecting Mts. About 100 lks. of the saddle or lowest point of ridge, & about 50 lks. E. of a branchy pine 18 ins. dia. which is placed; raised a mound of stone in the line.	
		Va. 14° 55' E'
	Thence descend steep stony slope of the mountain, brg, only an occasional tree & little brush	
40.00	Set a stone 30 x 14 x 2 in. 24 ins. in ground & mound of stones for 1/4 sec. cor., cut 1/4 on W. face, and raised a mound of stones W. of cor., from which a Pine 8 ins. dia. brs. N. 11° W. 66 lks. dist. marked 1/4 S.B.T.	-200
		Va. 16° E.
42.00	Bottom of ravine course W.	-75
	Ascend through open brush & scrub	
42.95	Top of spur brg. W.	x25
43.90	Bottom of ravine, course W.	-30
	Enter scattering pines	
45.40	Top of spur brg. W.	x25
47.70	Bottom of ravine course W.	-30
52.00	Top of spur brg. W.	x60
56.30	Bottom of ravine course W.	-40
	More pines with some oak.	
60.00	Top of spur brg. W.	x70
61.70	Bottom of ravine course W.	-40
	Ascend steep side of mountain, covered with coarse loose sliding soil of disintergrating rocks, through considerable oak and pine, and scrub of rank growth.	
72.50	Top of rocky ridge or angle of the mountain descending to the N.W.	x350

Sept. 15, 1896.

Va. 18° E.

	Thence along rocky W. slope of the mountain, through scattering brush & scrub of heavy growth; leave timber.	
77.50	Out X in line with 3 grooves N. & 3 grooves S. of same & W.O. on top of rock in place 5 ft. high & about 6 x 4 out of ground for witness cor. of secs. 13, 18, 19 & 24, also cut T. 4 N., R. 12 W. on W. face of the rock.	

Needle unsteady, cause unknown  
Begin steep descent.

80.00

Set oak post 3 ft. long 4 ins. sq. in a mound of stones for cor. of  
secs. 13, 18, 19 & 24, marked T. 4 N., S. 18 on N.E., R. 11 W. S. 19 on S.E.  
S. 24 on S.W. & T. 12 W., S. 13 on N.W. faces; with 3 notches on each  
the N. & S. edges; being 2.50 chs. S. of the aforesaid witness cor.  
chiseled on the rock.

This slope appears to be covered with large detached rock and  
inconstant.

Land mountainous, soil mostly stony 3rd. & 4th. rates.

Timber inferior pine and scrubby oak N. slopes.

Mountainous land 80.00 chs.

Sept. 16, 1896.

South bet. secs. 19 & 24.

Va. ---

5.00

Descend steep stony slope of Mt. through open brush  
Bottom of narrow channel bet. Mt. spurs, course W.-N.W.

-200

~~13.55~~

~~XX~~

15.55

Ascend precipitous rocky slopes through scrubby oaks.  
Top of mountain spur brg. W., raised a mound of stones  
on the line.

x250

29.00

Descending rounding slope. No wood growth thereon.

Bottom of gorge course W.

-200

31.80

Ascend through scattering scrub and brush

Cross cliff of rocks E. & W.

x100

38.75

Top of boulder ledge-ridge of spur brg. W.

x80

40.00

Set stone 28 x 8 x 6 ins. in a mound of stones on reef of  
rock on the top of spur, bearing W. for  $\frac{1}{4}$  S. cor. Cut  $\frac{1}{4}$  on  
W. face; raised a large mound of stone W. of cor., from which  
the house of J.M. Pearson brs. S. 66° W. about 41.00 chs. dist.  
Leave scrub brush; descend

x20

46.00

Bottom of ravine, course W.

-175

49.30

Top of spur brg. S.W.

x100

59.00

Bottom of ravine course W. of S., soon W.

-100

60.40

Top of spur brg. S.W.

x60

62.80

Bottom of ravine course S.W.

-50

64.70

Top of spur brg. S.W.

x40

66.25

Bottom of ravine brg. S. of W.

-60

70.50

Top of spur brg. S.W.

x95

Descend through greasewood

79.00

Bottom of slope into "Box Canon" course W.S.W. and  
into dense oak brush and willows.

-150

80.00

Set a stone 24 x 12 x 5 ins. 20 ins. in the ground bounded by  
stones at 20 lks. N. of N. bank of arroyo and wash of the canon,  
for cor. to secs. 19, 24, 25, and 30, cut 4 notches on the N. & 2  
notches on the S. edges and R. 11 N. on N.E. & T. 4 N., R. 12 W. on N.W.  
faces, raised a mound of stones 2 ft. base  $1\frac{1}{2}$  ft. high W. of cor.  
from which a

Blk. scrub oak 3 ins. dia. brs. N. 72° 30' W. 7 lks. dist.

marked T. 4 N., R. 12 W. S. 24 B.T. ✓

A Prong. of Blk. scrub oak 6 ins. dia. on the S. Bank of arroyo

brs. S. 23° E. 108 lks. dist. marked T. 4 N., R. 11 W. S. 30 B.T. ←

Land mountainous, soil stony 3rd. & 4th. rates.

Timber scrub oak. Mountainous land 80.00 chs.

Oct. 14-1896.

South bet. 23-40





T. 4 N., R. 12 W., S.B.M.

Pursuant to special instructions given me by the Surveyor-General, I run an offset south boundary of Auxiliary Base, E. and W. through the middle of the Township as follows:- At a point 2.39 ft. S. of the cor. of secs. 13 and 24 in the E. bdy. of the Twp. in lat.  $34^{\circ}25'N.$ , Long.  $118^{\circ}05'W.$  from pointing N. over the line run for the true Meridian I turn off an angle of  $89^{\circ}58'$  towards the west and now run N.  $89^{\circ}58'W.$  on a secant through the township as a random line for the required south boundary, setting temporary  $\frac{1}{4}$  sec. and sec. cors. at intervals of 40.00 chs. Sept. 17; to prove and correct my course, at 76.00 chs. (in the <sup>1st</sup> ~~last~~ mile) at the top of a hillock chosen as a suitable situation for the observation (the point for next corner falls on low brushy ground very inconvenient for the observation); at 7h 27m P.M. Pacific time by watch, which is 8 min. slow of local time, I observe Polaris at E. elongation and mark the direction thus determined on a picket set 5.00 chs. N. of my station. Sept. 18. I measure the angle bet. the azimuth marked last night and the secant to the E. and find  $88^{\circ}31'$  - hence the back line run is N.  $89^{\circ}58'$  x; the deviation is less than probable errors of observation and I consider the line satisfactory. At 6h. 30m. A.M. the mag. bearing of the Azimuth of Polaris elongation is N.  $16^{\circ}07'W.$ ; hence the mean, Var.  $14^{\circ}35'E.$   
Tabular Azimuth of Pol. - E. elong. N.  $1^{\circ}31'E.$   
" " " secant end of 1st. mile N.  $89^{\circ}58'8'W.$

Hence from the Azimuth of direction of the star marked last night, I turn off  $91^{\circ}30'$  toward the west to continue the secant. At 477.60 chs. intersect the W. bdy. of the twp. 416.2 lks. south of corner to secs. 13 and 24 in T. 4 N., R. 13 W. said corner is the post of iron and cement lately set in the ground and a mound of stones with pits

*Continued middle Sht. 10*

N.89°59'E. on the secant through sec.17.

Va.14°20'E.

	Ascend through thick brush	
4.50	Enter wash over N.bank arroyo, course nearly W.	
7.10	Leave wash, regain N. bank	
25.00	Foot of steeper slope of Mt.	
31.50	Top of S. point of Mt. brg. N.	x250
	Descend through light brush	
40.00	S. 8.10 ft. from the secant	
	Set a stone 20 x 10 x 9 ins. on bedrock 15 ins. in the ground & mound of earth for $\frac{1}{4}$ sec. cor.; cut $\frac{1}{4}$ on N. face; raised a mound of stones 2 ft. base $1\frac{1}{2}$ ft. high N. of cor.	
44.00	Foot of mountain, bottom of ravine, course N.	-100
	Over rolling ground, in low brush.	
60.00	Top of flat ridge brg. N.	
		Va.14°25'E.
63.00	Ravine course N. & old placer workings.	
71.30	Edge of mesa, brg. S. & N. of E.	
	Descend a stony bluff into canon of Gleason Crk.	
72.00	Bottom of canon covered with boulders, through small sycamore.	-15
73.00	Dry arroyo, course from S. to NE.	
	The general course of Gleason Canon is nearly N.	
78.00	Foot of E. bluff bearing S.S.W. & N.	
78.80	Top of bluff, enter plain & dense brush	x15
79.50	Road N. & S.	
80.00	S. 1.37 ft. from the secant.	
	Set a stone 26 x 12 x 6 ins. in a mound of stones & earth for cor. to secs. 16, 17, 20 & 21; cut 3 notches on S. & 4 notches on E. ledges; T. 4 N. on NE. & R. 12 W. on SE. faces & raised a mound of stones 2 ft. base $1\frac{1}{2}$ ft. high W. of cor.	
	Land mountainous & broken plains.	
	Soil loose loam, hard pan & stony, 2nd. & 4th. rates.	
	No timber except a few sticks in Gleason Bottom.	
	The ground is covered with brush, mostly greasewood.	
	Mountainous land & canons 50.00 chs.	

N.89°5'E. on the secant through sec.16.

	Over a plain gently ascending to SE., through dense brush.	
0.25	W. edge of boulder 10 x 8 x 5 ft. above ground in W. edge of arroyo	
0.35	Bottom of arroyo course N.N.W.	
14.10	Bottom of arroyo 20 lks. wide 3 ft. deep course NW.	
	Enter open brush	
28.10	Bottom of arroyo 20 lks. wide 4 ft. deep course NW. at base of Mt. to the SE.	x50
40.00	S. 1.72 ft. from the secant	x100
	Set stone 16 x 10 x 8 ins. 12 ins. in ground on N.W. slope of Mt. spur for $\frac{1}{4}$ sec. cor., cut $\frac{1}{4}$ on N. face; raised a mound of stones 2 ft. base $1\frac{1}{2}$ ft. high N. of cor.	
42.00	Top of spur slopes N.N.W.	x20
		Va.15°05'E.
47.10	Bottom of narrow ravine course W. of N.	-80
51.00	Top of spur brg. W. of N.	x30
53.00	Bottom of ravine course W. of N.	-35
55.50	Top of spur brg. W. of N.	x40
60.00	Bottom of ravine course NW.	-10
64.50	Top of spur brs. NW.	x50
70.20	Bottom of ravine course NW.	-10
	Ascend precipitous rocky slope	
74.00	Top of spur brg. N.	-200



80.00	Thence along the N. side of an extension of Gleason Mt. S. 1.83 ft. from the secant. set a stone 16 x 14 x 6 ins. 12 ins. in ground for cor. to secs. 15, 16, 21, & 22; cut 3 notches on each the S. & E. edges. T. 4 N. on NE. & R. 12 on SE. faces, raised a mound of stones 2 ft. base 1 1/2 ft. high W. of cor. Land mountainous & even. No timber, brush mostly greasewood on the lower land, some oak brush on the Mts. Mountainous land & dense brush 65.00 chs.	
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2.50	East on the secant through secs. 15 Ascend through dense brush Top of ridge or angle of the Mt., descending to the NE. Descend mountain	x25
19.00	Bench with spur, brg. NE.	-250
33.30	Foot of mountain, Jones' irrigating ditch in bottom of Jones' or Bear Canon, course N. The line passes a little N. of Jones' gardens. Over bottom through small sycamore & tangle	-200
34.60	Stream (water) 3 lks. wide course N.	
34.90	Across bottom, ascend steep stony bluff.	
36.80	Cross irrigation ditch at top of bluff & W. edge of mesa brg. N. & S. nearly.	x25
37.00	Road Jones' ranch to Acton brg. N. & S.	
37.25	Cross fence, enter Mc. Caslin's inclosure brg. N. & S. about 60 lks. N. of SW. cor. of field.	
39.50	Leave Mc. Caslin's field & enter dense brush.	
40.00	S. 1.72 ft. from the secant. Set stones 27 x 10 x 5 ins. 18 ins. in ground bounded by stones, for 1/4 sec. cor., cut 1/4 on N. face; & raised a mound of stones 2 ft. base 1 1/2 ft. high N. of cor., from which the house of J. H. Jones (sec. 22) brg. S. 1°30'E. 11.50 chs. dist., & the house of Mc. Caslin brg. N. 44°40'W. 10.00 chs. dist.	
46.25	Bottom of ravine 20 ft. deep course N.	
63.00	Enter Jones' clearing & thence along N. edge, descend rolling ground.	
65.60	Bottom of Arroyo course N.	-15
68.00	Ridge brg. N. & S.	x10
71.00	Bottom of Arroyo	-20
80.00	S. 1.31 ft. from the ascent Set a stone 24 x 12 x 12 ins. in a mound of same & stones on bedrock, for cor. to secs. 14, 15, 22 & 23, cut 3 notches on S. & 2 notches on E. edge, T. 4 N. on NE., R. 12 W. on SE. faces; raised a mound of stones 2 ft. base 1 1/2 ft. high W. of cor. Land mountainous & level; soil loose loam & hard pan, 2nd. & 4th. rates. No timber, except, a few poles at Jones' creek; ground mostly covered with brush. Mountainous land, dense brush 40.00 chs.	x15
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11.00	S. 89°59'5 E. on the secant through secs. 14. Over broken ground through open brush. Enter mesa & dense brush	x40
17.00	Leave same, descend	
22.60	Bottom of ravine course N.	-20
26.00	Top of spur brg. N. N. W.	x20
29.60	Bottom of ravine course NNW.	-25
30.70	Top of divide or spur brg. NNW.	x30
34.00	Bottom of arroyo, course NNW.	

37.00 Bottom of arroyo course NNW. -20  
40.00 S. 8.10 ft. from the secant  
Set a stone 20 x 14 x 8 ins. 14 ins. in the ground for  $\frac{1}{4}$  sec. cor.  
cut  $\frac{1}{4}$  on N. face & raised a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high  
N. of cor.  
41.00 Ridge brg. N. & S. Descend x25  
49.40 Dry bed of Aliso creek course W. of N. -25  
56.30 Top of principal slope, enter mesa & dense brush x35  
57.90 Road from Tejunga Mines to Acton brg. SSE. & NNW.  
62.60 N. 1 ft. from the secant x R. is cut on S. point of a boulder, a ref- Va. 14°35'E.  
erence mark in a survey of a new road bet. the above named points.  
63.60 Edge of mesa, descend.  
71.10 Bottom of ravine course NW., soon joins another from the E. -30  
Thence over low point of dense oak & scrub oak brush.  
80.00 Set a stone 24 x 12 x 12, 18 ins. in ground & mound of stones to bed-  
rock, for cor. of secs. 13, 14, 23 & 24; cut 3 notches on S. & 1 notch on  
E. edges; T. 4 N., on NE. & R. 12 W. on SE. faces; raised a mound of stones  
2 ft. base  $1\frac{1}{2}$  ft. high W. of cor.  
Land broken & mountainous, soil loam & stony, 2nd. & 3rd. rate.  
No timber, mostly covered with thick brush.  
Mountainous & dense brush 80.00 chs.

0.20 S. 89°59'E. on the secant of sec. 13.  
Bottom of arroyo at mouth of ravine course NW. Ascend.  
4.00 Top of knoll, NW. end of spur x30  
Over rolling country, through dense greasewood brush  
10.00 Top of spur brg. NW. x25  
14.00 Bottom of ravine course NW -10  
16.60 Top of spur brg. N.W. x20  
18.30 Bottom of ravine, general course NW. - up the arroyo of same.  
20.00 Leave arroyo now from SE. Ascend the Mt. through open brush.  
34.50 Top of bench of spur brg. NW. x100  
40.00 N. 1.03 ft. from the secant x25  
Set a stone 20 x 10 x 5 ins. 15 ins. in the ground on the N. slope  
of a Mt. spur, for  $\frac{1}{4}$  sec. cor., cut  $\frac{1}{4}$  on N. face & raised a mound of  
stones & earth 3 ft. base 2 ft. high N. of cor.  
Ascend W. slope of a mountain.  
50.00 Top of Mt. brg. N. & S. x175  
N. 1.35 ft. from the secant  
Set a long stone in a mound of stones on true line, near the  
beginning of the slope of N. end of Mt.  
Descend steep slope in open brush.  
53.00 Enter scrub & scattering pines.  
56.00 Bottom of ravine, foot of mountain, ascend easy slope -175  
61.00 Top of cape - base of mountain spur to SE. x25  
66.10 Bottom of ravine or channel bet. mountains, course W.N.W. -50  
Ascend steep stony slope of a Mt. through open brush & scrub.  
80.00 Int. E.B. of the Tp. 2.29 ft. S. of cor. to secs. 13, 18, 19 & 24  
Already described.  
Land mountainous, soil loose loam & stony; 2nd. & 3rd. rates.  
Timber, small pine & oakwood. Mountainous land 80.00 chs.  
Sept. 23-1896