

FIELD NOTES

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

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

The attached notes are for lines
shown red.

S. B. 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.B. 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.B. of sec.35

Va. 14°25' E.

Ascend

22.50 Summit of spur brs. N.E. & S.W. & descend

40.00 Set post 4in.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.B. of sec. 36.

Va. 14°25' E.

Along S.slope

40.00 Set post 4 in.dia: lift.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 Crosses 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.12W.S.B.M.

Land mountainous, soil 2nd.& 3rd.rate.

Timber & undergrowth of oak & cedar.

NOV. 7, 1879

W.H. Norway

Vol. 162-34

G.B.J.

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 Bp.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 betsecs. 1 & 6.

Through scattering pines now mostly cut & removed

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

Top of spur brg. N.W.

+30

Bottom of valley brg. N.W.

-10

Top of spur brg. N.W.

x150

13.00 Descend bluff brg.nearly W.

19.00	Bottom of valley & at foot of high mountain just to the E.	-50
22.60	Enter washes at junction, course W.	-10
25.00	Leave wash & ascend	
31.10	Top of bluff bearing W. N.W.	x100
36.40	Top of ridge brg. W. N.W.; descend broken slopes of Mt.	x 10
40.00	Set a stone 24 x 14 x 5 ins. ^{6ins} in mound for $\frac{1}{4}$ sec.cor., cut $\frac{1}{4}$ on W.face; from which a	-25
	Pine 10 ins.dia. N.47°10' E. 51 lks. dist.	
	marked $\frac{1}{4}$ S.B.T.	
	Pine 8 ins.dia.brs.N.80°25' W. 56 lks. dist.	
	marked $\frac{1}{4}$ S.B.T.	
46.60	Bottom of ravine 100 lks. wide coarse N.W.	-20
49.20	Top of spur brg. W.	x50
	Va.14°30' E.	
57.70	Descend into broken valley	
65.90	Bottom of deep rocky ravine 150 lks.wide course W.	-125
78.25	Top of spur brg. W. at 3 lks. E.of a blazed pine 12' dia.	x150
80.00	Rock bottom of a crooked ravine 100 lks. wide $\frac{125}{25}$ ft.deep. -100 course W. N.W.	-100
	Set a stone 32 x 18 x 12 ins.in a mound of stones & the ground for cor.of secs. 1,6,7 & 12,cut 1 notch on the end & 5 notches on the S.edges;& R.11 W.on the S.E.& T.4N.,R.12 W.on the S.W.faces, from which a	
	Pine 20 ins.dia.brs. N.11°5' E. 139 lks.dist.	
	marked T.4 N.,R.11W. S. 6 B.T.	
	Pine 6 ins. dia. brs. S.82°15' E.77 lks.dist.	
	marked T. 4 N.,R.11 W. S. 7 B.T.	
	Pine 12 ins. dia. brs. S.4°05' W. 64 lks.dist.	
	marked T. 4 N.,R.12 W. S.12 B.T.	
	Pine 5 ins. dia.brs. N.50°10' W. 51 lks. dist.	
	marked T. 4 N.,R.12 W. S.1 B.T.	
	Land mountainous & broken,soil gravelly & stone, 3 rd.rate.	
	Timber scattering pines and cedars,mostly removed.	
	Mountainous land, 80 chs.	

S	South betsecs. 7 and 12.	
	Ascend through large brush & pine & oak openings.	
3.20	Top of spur brg. W.	x50
5.10	Bottom of ravine course W.	-40
14.45	Top of stony mountain ridge brg. E.& W.	x250
21.50	Descend broken side of Mt. leave timber	
27.80	Bottom of ravine course S. of W.	-150
38.00	Bottom of ravine course S.W.	
40.00	N. bank of a broad crooked ravine course S.W.	-100
	Set stone 18 x 12 x 5 ins. 12 ins.in ground on a bench of the bank for $\frac{1}{4}$ sec.cor.,cut $\frac{1}{4}$ on W.face;raised a mound of stone 2 ft.base $1\frac{1}{2}$ ft.high W.of cor.	
41.40	Bottom of ravine course S.W.	-15
44.40	Top of S.bank of the ravine & S.W. point of spur	-15
		x15

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48.20	Thence over broken valley	-25
	Bottom of ravine course W.	
	This and the proceeding 3 ravines soon meet another channel in steep Mt.valley running S.,here about 1.00 ch. W.	
51.70	Top of spur near its W. end.	x15
52.80	Foot of hills-enter wash & the arroyo of Canada	-15
	coming from the pass into Santiago Canon about $1\frac{1}{2}$ miles E.	
54.00	Road to Santiago Canon brg. E. & W.	

-15-

16
15

55.00	Leave wash.	
56.40	Cross S.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
68.00	Enter dense brush,greasewood	
69.00	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.4N.,R.12 W.,on N.W. & R.11 W.on N.E.faces;raised a mound of stone	
	2 ft.base 1 $\frac{1}{2}$ 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.	
	South betsecs. 13 & 18.	
10.00	Over mesa inclining to the N.W.& through close short brush.	
15.70	Enter scattering pines	
20.20	Top of low ridge or swell of land	x100
	Bottom of ravine & foot of mountain,course W.of N.&	-20
	then N.W.	
32.40	Ascend through considerable pine with some oak	
	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 plazed;raised a mound of stone in the line.	
	Va.14°55'E'	
40.00	Thence descend steep stony slope of the mountain,brg,only an occasional tree & little brush	
	Set a stone 30 x 14 x 2 in. 24 ins.in ground & mount of	-200
	stones for $\frac{1}{2}$ sec.cor., cut $\frac{1}{2}$ 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 $\frac{1}{2}$ S.B.T.	Va.16°E.
42.00	Bottom of ravine course W.	-75
42.95	Ascend through open brush & scrub	
43.90	Top of spur brg. W.	x25
	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	x350
	the N.W.	

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77.50	Va.18°E.
	Thence along rocky W.slope of the mountain,through scattering brush & scrub of heavy growth;leave timber.
	Cut 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.

Va. 16° E'

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. 39 & 34.

Va. ---

5.00 Descend steep stony slope of Mt. through open brush
 18.63 X Bottom of narrow channel bet. Mt. spurs, course W.N.W. -200
~~Top of cliff~~

15.55 Ascend precipitous rocky slopes through scrubby oaks.
 Top of mountain spur brg. W., raised a mound of stones x250
 on the line.
 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 x20
 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
 Bottom of ravine, course W. -175
 49.30 Top of spur brg. S.W. x100
 59.00 Bottom of ravine course W. of S., near 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
 Bottom of slope into "Box Canon" course W.S.W. and -150
 into dense oak brush and willows.
 79.00 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 $\frac{1}{4}$ 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. ✓

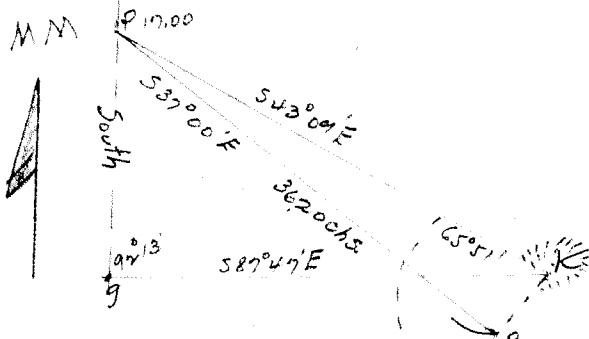
A Prong. of Blk. scrub oak 6 ins. dia. on the S. Bank of arroyo
 brs. S. 23° E. 108 lks. dist. marked T. 4 N., R. 11 W. S. 30 B.T. ✓
 Land mountainous, soil stony 3rd. & 4th. rates.
 Timber scrub oak. Mountainous land 80.00 chs. .

Oct. 14-1896.

200 ft. 23 - 40°

	South bet.secs. 25 & 30.	Va. $14^{\circ}15' E.$
0.25	Enter wash of Box Canon course W.S.W.	
1.30	Leave wash ascend steep hill in dense brush and scrub.	
4.50	Top of S.W. point of Mt.	x80
11.00	Foot of Mt. & bottom of Aliso creek course N.W.	-75
11.90	Road Tejunga Mines to Acton, brg. S. & NNW.	
14.00	Re-enter Aliso creek course E.SE.	
17.00	Across a bend of same course W.of N.on W.bank; intersect water pipe line survey.	
17.50	Set a stone 19 x 7 x 7 ins. 10 ins. in the ground for a mining monument marked M.M. on top end. 17.50 on N., R.12 on W. and R.11 on E. faces; and raised a mound of stones 3 ft. base and 2 ft. high against the N.side.	
	Through dense brush and thorn thickets.	
30.00	Ascend mountain through thickets, oak wood & scattering pines.	
40.00	The slope & surface here are such as appear to not keep a cor. in place permanently.	
43.53	Cut X.on the top and $\frac{1}{4}$ W.C. on N.face of a rock 4 x 2 x 2 ft. out of ground at brow of steep slope for witness cor. to $\frac{1}{4}$ sec. cor., from which a	
	Pine 24 ins.dia.brs. N. $35^{\circ}15'$ W. 97 lks. dist.	
	marked W.C. $\frac{1}{4}$ S.B.T.	
	An Oak 16 ins.dia.brs. S. 13° E. 15 lks. dist.	
	marked W.C. $\frac{1}{4}$ S.B.T.	x400

Notes The steep slope and thorn thickets make this Mt. side quite inaccessible and I find the last dist. as follows:



Log. base 36.20	1.558709
" sin 108°00'	9.978206
acl " 65° 51'	<u>0.039778</u>
Dog Pk.	1,576693
" sin 44°38'	9.846688
acl " 92°13'	<u>0.000325</u>
	1.423706
26.53	1.423737

From the intersection of the pipe line survey 17.00 chs. S.of the sec.cor., called P. I set a flag S.at top of the lat.slope at point "g" also from P I run S. $37^{\circ}00'$ E.along the pipe line trail in the valley 36.20 chs. by chain to point "p" for a measured base. I thence set a flag at top of knoll at point "K" brg. N. $71^{\circ}00'$ E. from K, P. brg. N. $43^{\circ}09'W.$ & "g" brs. N. $89^{\circ}47'W.$ Hence Pg= 26.53 chs., which add to 17.00 chs. & we have the whole dist.run on Tp.bdy. 43.53 chs. as given & marked W.C. to $\frac{1}{4}$ sec.cor.; thence continue measurements by chs.along the slope of E.end of Mt.Gleason.

Va. $14^{\circ}15' E.$

50.00	Through scattering pines & open brush	x50
51.70	Ridge slopes E.	-25
53.50	Bottom or arroyo in ravine, descend E.S.E.	
54.50	Another arroyo descends E.& soon meets.	x25
55.75	Top of ridge brg. E.	-20
60.00	Gully descending E.	
72.00	Top of ascent; leave pines in brush	x50
73.50	Begin descent.	-10
75.40	Slope increases	
77.75	Bottom of gully, descend S.of E. & E.to the tunnels of the Gold Note Mile	-75
	Top of ridge sloping E.	x25

Continued Shf.19

T. 4 N., R. 12 W., S.P.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 ^{1st} 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,

Tabular Azimuth of Pol.-E. elong. N. $1^{\circ} 31'E.$

Var. $14^{\circ}35'E.$

* * * secant end of 1st. mile N. $89^{\circ}58'8W.$

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. 19

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

Va.14°20'E.

4.50	Ascend through thick brush	
7.10	Enter wash over N.bank arroyo, course nearly W.	
25.00	Leave wash, regain N. bank	
31.50	Foot of steeper slope of Mt.	x250
	Top of S.point of Mt.brg. N.	
40.00	Descend through light brush 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.	-100
44.00	Foot of mountain,bottom of ravine, course N.	
60.00	Over rolling ground,in low brush. 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.	
72.00	Descend a stony bluff into canon of Gleason Crk.	-15
	Bottom of canon covered with boulders.	
73.00	Through small sycamore. Dry arroyo, course from S.to NE.	
78.00	The general course of Gleason Canon is nearly N.	
78.80	Foot of E. bluff bearing S.S.W.& N.	x15
79.50	Top of bluff,enter plain & dense brush	
80.00	Road N.& S. 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 Eledges;T.4 N. on NE.& R.12W.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 SW.,through dense brush.
W.edge of boulder 10 x 8 x 5 ft.above ground in W.edge of arroyo

0.25	Bottom of arroyo course N.N.W.	
0.35	Bottom of arroyo 20 lks.wide 3 ft.deep course NW.	
14.10	Enter open brush	
28.10	Bottom of arroyo 20 lks.wide 4 ft.deep course NW.at base of Mt.to the SW.	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
74.00	Ascend precipitous rocky slope Top of spur brg. N.	-200

Va. $15^{\circ}15' E.$

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 NW. & R.12 on SE.faces,raised a mound of stones 2 ft.base 1 $\frac{1}{2}$ 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.	
2.50	East on the secant through secs. 15 Ascend through dense brush	x25
19.00	Top of ridge or angle of the Mt.,descending to the NE.	-250
33.30	Descend mountain Bench with spur,brg. NE.	-200
	Foot of mountain,Jones'irrigating ditch in bottom of Jones'or Bear Canon,course N. The line passes a little N. of Jones' gardens.	
34.60	Over bottom through small sycamore & tangle	
34.90	Stream(water) 3 lks.wide course N.	
36.80	Across bottom,ascend steep stony bluff.	x25
	Cross irrigation ditch at top of bluff & W.edge of mesa brg. N. & S. nearly.	
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 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.,from which the house of J.H.Jones(sec.22)brs. S. $1^{\circ}30' E. 11.50$ chs.dist,& the house of MC.Caslin brs.N. $44^{\circ}40' W. 10.00$ 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.,NE.,R.12 W.on SE.faces;raised a mound of stones 2 ft. base 1 $\frac{1}{2}$ ft.high W.of cor.	x15
	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.	
	S. $39^{\circ}59'5$ E.on the secant through secs.14.	
	Over broken ground through open brush.	
11.00	Enter mesa & dense brush	x40
17.00	Leave same,descend	
22.60	Bottom of ravine course N.	-20
26.00	Top of spur brs. 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 NW.	-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 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 reference mark in a survey of a new road bet.the above named points.	Va. 14°35'E.
63.60	Edge of mesa,descend.	
71.10	Bottom of ravine course NW.,soon joins another from the E. -30	
80.00	Thence over low point of dense oak & scrub oak brush. 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.4N.,on NE.& R.12 W.on SE.faces;raised a mound of stones 2 ft. base 1 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.	
4.00	Bottom of arroyo at mouth of ravine course NW. Ascend.	
10.00	Top of knoll,NW.end of spur	x30
14.00	Over rolling country,through dense greasewood brush	
16.60	Top of spur brg. NW.	x25
18.30	Bottom of ravine,general course NW.-up the arroyo of same.	-10
20.00	Leave arroyo now from SE.Ascend the Mt.through open brush.	x20
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.	
50.00	Ascend W. slope of a mountain.	
	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.	
53.00	Descend steep slope in open brush.	
56.00	Enter scrub & scattering pines.	
61.00	Bottom of ravine,foot of mountain,ascend easy slope	-175
66.10	Top of cape - base of mountain spur to SE.	x25
80.00	Bottom of ravine or channel bet.mountains,course W.N.W.	-50
	Ascend steep stony slope of a Mt.through open brush & scrub.	
	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

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

From the cor. to Tps. 4 & 5 N. of Rs. 12 & 13 W. I run
East on a random line to the S.B. of Sec. 31, T 5 N..

40.89	Fall 43 lks. S. of $\frac{1}{4}$ sec.cor.	Va. 14°45' E.
81.05	Int. the N. & S. line at 72 lks. S. of cor. to secs. 5, 6, 31, 32 a marked post in mound of earth, described at page 45 of subdivisions.	
	From the last named cor. I run on true course bet. secs. 6 & 31. S. 89°36' W.	
17.00	Road bearing NE. & SW.	Va. 14°35' E.
19.65	Bottom of arroyo 30 lks. wide 3 ft. deep course NW.	
27.10	Bottom of arroyo 10 lks. wide 3 ft. deep course NW.	
27.20	Wire fence brs. NW. & SE. enter inclosure of Belknap Bros.	
38.65	Wire fence brs. N. & S. Leave inclosure.	
40.16	The $\frac{1}{4}$ sec.cor., a new post in mound of stones, marked $\frac{1}{4}$ S. on N. & S.G.F.R. on S.faces, thence S. 89°23' W.	
2.34	Foot of bluff into wash of the Soledad-road just S. of line brg. E. & W. in S.edge of wash.	Va. 14°35' E. -25
40.89	Cor. to Tp. 4 & 5 N., Rs. 12 & 13 W. Land level, soil mesa land E. $\frac{1}{2}$ mile 1st.rate; wash W. $\frac{1}{2}$ mile 3rd. rate. No timber.	
39.87	East on a random line on S.B. of sec. 32, T.5 N., R. 12 W.	
80.20	Fall 30 lks. N. of the $\frac{1}{4}$ sec.cor.	
83.75	Fall 2 lks. N. of C.O. for secs. 4 & 5; therefore 80.20 is the length of the N.B. of sec. 5 T. 4 N.	
3.55	Fall 3 lks. S. of the cor. to sees. 32 & 33, described on page of subdivisions.	
8.55	From last named cor. I run on the true course of S.B. sec. 32 S. 89°14' W.	Va. 17°15' E.
15.00	Descend over brushy stony ground.	
35.25	The C.O. to secs. 4 & 5 T.4 N., described at page subdivisions	-20
36.75	Bottom narrow ravine, course SW. leave brush & ascend Top of ridge - spur brg. S.	-40
43.88	Arroyo, course NW. foot of spur Margin of good mesa land brg. Mly. & Sly. - some brush & cedar (stumps). The $\frac{1}{4}$ sec.cor. in S.bdy. of sec. 32, T5 N., a new post marked $\frac{1}{4}$ on N. & S.G.F.R. on S.faces, set together with the old post in a mound of earth with pits.	x80
8.27	Thence N. 89°16' W.	-100
8.67	Leave mesa land & descend bluff, brg. W. of N.	
8.82	Into wash of Aliso Canon	-15
13.22	Road, from Tejunga Mines to Acton brg. E. of S. & W. of N.	
21.37	Leave wash bottom of Aliso Canon, course NNE. & ascend steep rocky side of Mt.	
29.72	Top of mountain ridge brg. N. & S.	x300
39.87	Descend mountain. Enter clearing, at foot of steep slope, in sec. 5 T.4 N. brg. N. & S. The cor. to secs. 5, 6, 31 & 32 at foot of mountain Land mountainous & rolling. Soil 1st. & 4th. rate. Timber some cedar wood, now partially cut away. Mountainous & brushy land 68.00 chs.	-300

East on a random to the S.B.of sec. 33, T. 5 N., R.12 W.

39.30 Fall 5 lks. N.of the $\frac{1}{2}$ sec.cor.in S.E. of sec.33 Va.17°15' E.
76.65 Fall 123 lks. N.of C.O.to secs.3 & 4; hence the length of the N.B. of sec.4, T.4 N., is the sum of 3.55 chs. S.B.sec.32 & 76.65 chs. S.B. sec.33 making 80.20 chs.total.
78.33 Int.the N. & S.line at 128 lks.N.of cor.to secs.33,34 T.5 N., R.12 W., the iron post filled with cement,described at page ---of subdivisions.

Note: I had proved the position of this cor.prior to the reservation Survey;to wit, Sept.1st.1896.
I ran from the established cor.post of secs.27,28,33 & 34 T. 5 N., R.12 W. S.0°03' E. (corrected course)

40.00 Found top of old $\frac{1}{2}$ sec.post lying about in length E.of this line, but was unable to discern its mound or find its point in the ground. A large stone answering in dimensions to that set by Deputy Hancock as described by Surveyor General, but having no marks, now lying nearly at the bottom of the washed bank of a mountain arroyo, probably having fallen & slid from its place by the action of a torrent, which also removed its seat;about 15 lks.further,I found an old post also marked for the sec.cor.(not mentioned by Hancock, but I suppose left with the stone to bear the mark he mentions of the cor.)now out of ground, and thrust by some person into a bushy scrub oak later, to wit; Oct.3d.I find in same course,continued,at 79.98 chs.said iron post for the cor.
As it is believed the Reservation surveyors ran no connection N. from this cor.& made no note of my recital,as above,to them, this note is inserted to preserve facts corroborating the correctness of its replacement.
This cor.is made to govern a considerable extent of reservation bdy.as newly relocated,in T. 5 N., the Hancock cors.are largely extinct;others will soon become so,& already erroneous surveys are confusing claimants. This post is permanent & conspicuous,& no suspicion should rest upon it in the conflicts suggested by the false lines.

From the said iron cor.I run on the true course of the S.B.of sec.33, T.5 N., N. 88°12' W.

Va.14°30' E.

1.30 Descend through scattering timber.
1.68 N. bluff of deep ravine course W N W
2.00 C.O.betsecs. 3 & 4 T 4 N., Rescribed on page subdivisions.
4.60 Bottom of ravine brg. W.N.W.soon Sly. -30
5.00 Same ravine course S. or W.
5.75 Cross S.base of steep hill
19.40 Same ravine now brg.N.of W.head of broad broken valley to the NW. Deep ravine W.of N.ascend broken side of Mt.facing E.N.E. -50
39.03 The $\frac{1}{2}$ sec.cor.to sec.33,T.5 N., a new post marked $\frac{1}{2}$ S. on N. & S.G.F.R.on S.faces, set in a mound of stones.
Deputy Hancock's witness cor.appears to be lost x300
Thence N. 89°56' W.

Va.14°30' E.

3.07 Top of mountain ridge brg.W.of N. & E.of S. x75
descend across head of valley slopes N.of W.along Nly.side of spur.
24.97 Top of the spur brg.N.of W. -200

38.37	Foot of mountain-bottom of arroyo in deep ravine or mountain gully course S.	
39.30	Cor.to secs.32 & 33 at brow of W.bluff of ravine Land mountainous,soil 3rd.& 4th.rates,rocky. Timber,cedar,manzanita & pine,fit only for firewood. Mountainous land 78.33 chs.	-100 x25
		Oct.19,1896 & June 16,1897
39.60	East on a random to the S.B.of sec.34, T.5 N.	
78.30	Fall 6 lks. N.of $\frac{1}{4}$ sec.cor.for sec.34.	
	Fall 2 lks. S.of C.C.secs.4 & 5,hence the length of the N.E.of sec.4 T.4 N.is the sum of 1.68 chs. S.B.sec.33 & 78.30 chs. S.B. sec.34,making 79.98 chs. total.	
80.50	Fall 2 lks. S.of cor.to secs. 34 & 35,described on page-- subdivisions. From the last named cor.I run on the true course of the S.B.of sec.34, T.5 N. S.89°53'W.	
		Va.14°35'E.
2.20	Through brush & scattering cedars.	
2.50	The said C.C.to secs.2 & 3,described at page---subdivisions.	
4.60	Enter wash of canon brg.N. & S.	
9.20	Leave wash course E.of N.	
14.20	Foot of broken bluff - leave bottom of canon. T.Thompson's farm road brs.N.NE,& S.S.W.at top of bluff-enter cedar openings.	
14.50	Wire fence- Thompson's inclosure,brg.N.E.& S.W.	x30
24.90	Bottom of arroyo 20 lks.wide 5 ft.deep course NE.	
30.40	Bottom of arroyo 15 lks.wide 3 ft.deep course NNE.	
31.10	Bottom of arroyo 20 lks.wide 4 ft.deep course NNE.soon E. and joins last.	
33.35	Arroyo 10 lks.wide 4 ft.deep course NE.	
36.70	Rabbit wire fence brg.N. & S. Enter Thompson's orchard 60 lks. S.of NE.cor.	
39.75	Point 15 lks. S.S. of SW. cor.barn.	
40.10	Fence brs. NE. & S.W. Leave orchard.	
40.90	$\frac{1}{4}$ sec.cor.in S.B.sec.34, T.5 N.a post marked $\frac{1}{4}$ S.on N. & S.G.F.R.on S.faces,recently set in a mound of stones with stone mound alongside, at top of E.bluff of deep gulch- T.Thompson's house stands 60 lks.5 settlement made on sec. 24, T 5 N.	x75
1.60	Thence N. 89°55'W.	
16.85	Bottom of gulch course NE. Ascend mountain	-40
22.75	Top of slope of mountain,150 lks.SE.from peak	x200
	Saddle or divide brs. NE.& SW.	-50
28.10	Timber now includes scattering oak & pines	
34.10	Steep rocky gorge in N.side of Mt. course N.	-150
39.30	Steep spur descending NW.	x60
39.60	Arroyo at foot of spur course NW.	-200
	The iron post cor.to secs. 33 & 34 T. 5 N.,R.12 W.	
	Land valley mesa & mountainous,soil 2nd.& 4th.rates; some rocky slopes. Timber,cedar,oak,manzanita & scrubby pines.	
	Mountainous land 39.60 chs.	
39.10	East on a random line to the S.B.of sec.35 T 5 N.	
78.55	Fall 3 lks. S.of the $\frac{1}{4}$ sec.cor.for secs35,T 5 N..	
	Fall 13 lks.S.of cor.to secs.1,2,35 & 36 described on page---- of subdivisions,hence the length of the N.E.of sec.2 is the sum of 2.20 chs.in S.B.sec.34 & 78.55 chs.in S.B.sec.35 making 80.75 chs.total.	
	From last named cor.I run on true course of S.B.sec.35, T 5 N. R. 12 W. S.89°51'W.	

Va.14°20'E.

0.60	Along S.slope of broken mountain side,through open brush & cedars.
5.80	Spur bearing SE. x20
9.10	Mountain gully course SE. -20
17.60	Spur bearing SSE. x50
25.50	Rocky gully in cove of mountain,descends S.from saddle. -60
33.65	Top of ridge head of spur brg. S.about 100 lks. S.of E. & high Mt.summit brg.E.& W.along rolling top of Mt. x200
39.45	Spur brs. S. Descend
	The $\frac{1}{2}$ sec.cor. S.B.Secs.35, T 5 N., a post marked $\frac{1}{2}$ S.on N. & S.G.F.R.on S.faces,recently set in a mound of stones with mound of stones alongside,on steep W.slope of stony Mt. -100
	Thence S. $89^{\circ}57'$ W.
9.85	Va. $14^{\circ}30'$ E.
17.55	Arroyo course SW.,bottom of Mt.valley. -150
33.55	Ridge of Mt.spur brg.SW. x80
36.55	Foot of steeper slopes,enter valley N. & S. -200
39.10	Road from Ky. Springs to Acton & Vincent brs. N. & S.
	The cor.to secs. 34 & 35 T 5 N.
	Land mountainous,soil mostly 3rd,rate,some 5th.
	Timber scattering,cedar & manzanitas;a few poor pine at top of mountain. Mountainous land 73.00 chs.
	East on a random line to the S.B.of sec.36, T 5 N.
39.85	Va. $14^{\circ}20'$ E.
79.65	Fall 7 lks. S.of $\frac{1}{2}$ sec.cor.sec. 36
	Int.the E.B.of T.4 N.R 12 W.at $76\frac{1}{2}$ lks. S.of cor.to Ts.4 & 5N.
	Rs.11 & 12 W.,the iron post already described.
	From said Tp.cor.I run on true course of S.B.sec.36, T 5 N.
	S. $89^{\circ}00'$ W.
11.75	Va. $14^{\circ}45'$ E.
	Descend across head of canada,course SW.through brush & scrub oak.
	Leave bottom bearing SW. -30
	Over S.base of Mountain through openings of cedar,manzanita & scattering pines.
12.40	Spur bearing S. x20
13.40	Gully course S. -20
13.90	Spur brg.S. x15
14.50	Gully course S. -10
16.30	Spur brg. SE. x25
20.65	Gully course S. -15
25.00	Spur brs. SW. x10
27.00	Gully - ravine course SW. -25
29.90	Ridge a low divide,brs. S,soon SW. x15
32.25	Spur brg. S. x10
39.00=	Ravine course W.of S. -15
39.80	The $\frac{1}{2}$ sec.cor.in S.Bsecs. 36;a post marked $\frac{1}{2}$ S.on N. & S.G.F.R. on S.faces,recently set in mound of stones,with mound of stones alongside,at top of spur from E. & about 100 lks. N.of deep ravine course W. x10
	Thence S. $89^{\circ}54'$ W.
0.50	Ravine course SW. -15
3.45	Spur bearing SW. x10
6.95	Deep gulch course N. -100
8.30	Spur brg. N.
9.30	Ravine course E.of N.at junction of branch gully from W. up same
11.95	Leave ravine comes from SW. -50
	Ascend along N.side broad mountain
13.70	Top of ridge spur brg. NE. x100
20.95	Spur brg. NE. x60

26.20	Ridge, divide brs. E. of S. & W. of N.	x40
31.70	Deep narrow gulch course W. of S.	-100
43.45 32.45	Point of spur brs. SE.	x35
34.20	Branch gully course SE.	-25
38.55	Top of spur brs. SE.	x60
39.85	The cor. to secs. 1, 2, 35 & 36 on E. slope of mountain spur, bearing SE. Land mountainous, much broken, soil 3d, 4th. & 5th. rates. Timber cedar, manzanita with a little oak & pine, fit only for firewood. Mountainous land 79.65 chs.	

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G.B.J.

O.A. Ensign