



C. S. 9076 E. B. Sec. 1, 12, 13.
 C. S. 9086 All of W. Bdy. of Twp., S.B. Sec. 13, 14, 15, 16, 17, 18
 (not completed)
 C. S. 9095 N. & E. Bdy., E. & W. Sec. lines through center of Twp.

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

I commence at the cor. of secs. 13, 14, 23 and 24 on the auxiliary base line through the middle of this Tp. already described.
Thence I run
N. 0° 1' W. bet. secs. 13 and 14.
Through scattering cedars and brush.

0.20	Arroyo course NW.	
1.20	Top of point of spur brs. N.W.	x10
2.00	Ravine course from E. N. E. to W.	-15
	Ascend bluffs.	
5.00	Brow of upland; in arroyo, course S.	x50
14.00	Top of ridge E. & W. Descend.	x30
29.50	Bottom of ravine wash 20 lks. wide course N. of W.	-40
32.70	Into arroyo course W. cross point of foothill and ascend.	
33.00	Into arroyo wash 10 lks. wide course S. W. ascend.	
39.75	Ridge brs. SW. & NE.	x50
	Descend steep slope.	
40.00	Set stone 20 x 16 x 4 in. in mound of stone and ground to bedrock for $\frac{1}{4}$ S. cor. cut $\frac{1}{4}$ on W. face, raised a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high 10 lks. S. of cor. on a bench of slope from which cor. a pine 12 in. dia. brs. N. $11\frac{1}{2}$ ° W. 90 lks. dist. marked $\frac{1}{4}$ S. B. T.	
	Pine 7 ins. dia. brs. N. $60\frac{1}{2}$ ° W. 144 lks. dist. marked $\frac{1}{4}$ S. B. T.	
40.95	Bottom of arroyo course S. of W.	-50
44.00	Top of ridge brs. E. & W.	x50
46.00	Bottom of ravine E. & W. Ascend mountain.	-30
70.00	Top of mountain, ridge brs. E. N. E. & W.	x350
	Descend N. slope of mountain through scattered pines and oakwood.	-200
78.00	Ravine descending to NW.	
	Ascend to W. slope of mountain.	
80.00	Set stone 18 x 12 x 8 ins. bounded by stones 12 ins. in the ground for cor. to secs. 11, 12, 13 and 14, cut 4 notches on S. and 1 notch on E. edges; T. 4 N., R. 12 W. on NW. face, from which a pine 8 ins. dia. brs. N. 73 ° E. 65 lks. dist. marked T. 4 N., R. 12 W. S. 12 B. T.	x40
	A wild cherry 10 ins. dia. brs. N. $37\frac{1}{4}$ ° W. 17 lks. dist. marked T. 4 N., R. 12 W. S. 11 B. T.	
	Land mountainous, soil loose loam and gravelly, 3rd rate. A little pine and oak wood of a scrubby sort on N. slope of Mt.; a few cedars on 1st $\frac{1}{2}$ mile. Mountainous land 80.00 chs.	

East on a random line bet. secs. 12 and 13.

40.00	Set temp. $\frac{1}{4}$ sec. cor.	
79.96	Int. E.B. of Tp. 21 lks. N. of cor. to secs. 7, 12, 13, 18. Sept. 24, 1896.	

Thence I run
N. 89 ° $51'$ W. on a true line bet. secs. 12 and 13.
Over mesa land, through short thick brush.

6.50	Edge mesa, descend bluff.	
7.65	Bottom of ravine, course N.W., ascend and enter scattering pines and brush.	
9.60	Top of point of N. base of Mt. Descend.	x20
13.50	Bottom of ravine course N.	-30
18.00	Top of spur brs. W. of N.	x50
20.00	Bottom of ravine course NW.	-40
21.75	Top of spur brs. N.	x25

25.90	Bottom of ravine course N.	-30
27.50	Top of spur brs. NW.	x25
	Thence over rolling ground	
39.48	Beginning of steep loose slope into ravine. (As the true point for $\frac{1}{4}$ sec. cor. is liable to be removed by storm floods) At this point set a stone 24 x 15 x 5 ins. 20 ins. in ground for witness cor. to $\frac{1}{4}$ sec. cor. out W.C. $\frac{1}{4}$ on N. face, from which a Pine 36 in. dia. brs. S. 69 $\frac{1}{4}$ ° E. 55 lks. dist. marked W. C. $\frac{1}{4}$ S. B. T. Pine 6 ins. dia. brs. N. 8 $\frac{1}{2}$ ° E. 89 lks. dist. marked W. C. $\frac{1}{4}$ S. B. T.	-35
39.90	Bottom of ravine course N.	-35
39.98	Point for $\frac{1}{4}$ sec. cor. Ascend.	
	Var. 14° 30' E.	
44.60	Summit of hill or broad spur brs. NW.	x20
49.60	Bottom of ravine course NW.	-60
54.50	Top of spur brs. N.	x50
56.60	Bottom of ravine course N.	-30
64.40	Top of ridge at N. side of Mountain. Cross brushy valley.	x100
70.40	Top of ridge in NW. slope of mountain.	
79.96	The cor. to secs. 11, 12, 13 and 14. Land mountainous, rolling and level. Soil sandy loam, 2nd rate. Timber scattering pines and oaks, some scrub oak and cherry. Mountainous land 73.46 chs.	

	North 0° 01' W. bet. secs. 11 and 12. Descend through dense scrub (mostly oak)	
9.70	Bottom of arroyo course NW.	-100
12.60	Bottom of mountain slope and ravine brs. N. Along E. bank of same, leave scrub.	-50
13.20	Leave bottom of same course NW. Ascend through dense greasewood on the uplands.	
19.75	Top of spur W. of N.	x20
24.50	Enter wash 10 lks. wide course NW.	-25
26.30	Top of spur brs. NW.	x23
27.50	Road graded on side of bluff, brs. N. of W. and S. of E. Leave brush.	
27.80	Bottom of bluff and into Canada course NW.	-30
37.50	Leave bottom of same brs. NW.	
39.40	Top of W. end of spur (As the $\frac{1}{4}$ sec. cor. falls in a ravine liable to removal by storm floods) at this point set a stone 18 x 14 x 12 ins., 13 ins. in the ground for witness cor. to $\frac{1}{4}$ sec. cor. out W.C. $\frac{1}{4}$ on W. face & raised a mound of stone 3 ft. 2 ft. base & 1 $\frac{1}{2}$ ft. high W. of cor. Sept. 26, 1896.	x20
40.00	Point for $\frac{1}{4}$ sec. cor. on steep slope.	
40.25	Bottom of ravine course W.	-15
43.60	Top of spur brs. W.	x25
45.40	Bottom of ravine course W.	-15
48.00	Top of spur brs. W.	x30
51.00	Bottom of ravine course SW.	-25
53.90	Top of spur brs. W.	x50
	Var. 14° 53' E.	
70.30	Bottom of ravine course W. Enter scattering pines.	-75

79.00 Top of W. end of spur. x60
80.00 Set stone 20 x 12 x 8 ins. in a mound of stone on the N. slope
of Mt. for cor. to secs. 1, 2, 11 and 12, cut 5 notches on S. and
1 notch on E. edges, T. 4 N. on SE. and R. 12 W. on NE. faces;
from which a
Pine 18 ins. dia. brs. N. 63 $\frac{1}{2}$ ° E. 130 lks. dist.
marked T. 4 N., R. 12 W. S. 1 B. T.
Pine 4 ins. dia. brs. S. 66 $\frac{1}{2}$ ° E. 116 lks. dist.
marked T. 4 N., R. 12 W. S. 12 B. T.
Pine 12 ins. dia. brs. N. 21° W. 188 lks. dist.
marked T. 4 N., R. 12 W. S. 2 B. T.
A X with B. R. cut on a rock 2 ft. x 2 ft. x 8 ins. (out of
ground) brs. S. 63° W. 5 lks. dist.
Land mountainous, soil sandy loam and stony, 2nd & 3rd rates.
Timber scattering oak and scrub and a few pines.
Mountainous land 80 chs.

40.00 S. 89° 51' E. on a random line bet. secs. 1 and 12.
Set temporary $\frac{1}{4}$ sec. cor.
79.90 Int. E. B. of the Tp. 23 lks. N. of cor. to secs. 1, 6, 7, 12,
Thence I run
N. 89° 41' W. on the true line bet. secs. 1 and 12.
Over foothills, through scattering pines and brush.
5.60 Bottom of narrow ravine, course N. -50
7.90 Cross N. point of N. base of mountain. x30
10.46 Bottom of ravine course NW. -30
12.00 Cross point of N. base of mountain. x20
14.75 Bottom of ravine course NE. -40
17.70 Bottom of ravine course N. of E.
Ascend mountain along S. slope of spur brs. E.
39.95 Set stone 24 x 16 x 10 ins. 18 ins. in ground at E. brow of mountain
for $\frac{1}{4}$ sec. cor., cut $\frac{1}{4}$ on N. face, from which a
Pine 8 ins. dia. brs. S. 0° 30' E. 31 lks. dist.
marked $\frac{1}{4}$ S. B. T.
Pine 8 ins. dia. brs. N. 24 $\frac{3}{4}$ ° W. 67 lks. dist.
marked $\frac{1}{4}$ S. B. T. Var. 14° 25' E.
42.00 Summit of mountain is about 50 lks. S. x250
44.00 Descend along stony S. slope of ridge or spur of mountain, very
few trees, little brush.
72.50 Bottom of ravine at foot of mountain, course S. -350
73.75 Top of ridge brs. NE. & SW. x50
Along N. slope of low mountain.
79.90 The cor. to secs. 1, 2, 11 and 12.
Land mountainous and stony, soil loose loam and stony 3rd & 4th
rates. Timber scattering pines.
Mountainous land 79.90 chs.

The cor. to secs. 1, 2, 35 and 36 being plainly sighted, I run
for said cor.
40.00 N. 0° 19' E. on a random line bet. secs. 1 and 2.
Set temp. $\frac{1}{4}$ sec. cor.
Sept. 27, 1896.
78.50 Int. N. B. of Tp. at cor. to secs. 1, 2, 35 and 36, a post in amound
of stones and earth with pits in each sec. marked S. 36 on NE., T. 4
N. & R. 12 W. S. 1 on SE., S. 2 S.G.F.R. on SW. T. 5 N. S. 35 on NW.
faces with a mound of stones W. of cor., from which

The N. stem of a clump of cedar, 10 ins. dia. marked T. 4 N.
R. 12 W. S. 2 B. T. brs. S. 36° W. 61 lks. dist.
Thence I run
S. 0° 19' W. on a true line bet. secs. 1 and 2. Var. 14° 20' E.
Over rough foothills, with open brush.

5.70	Bottom of ravine course.	-50
8.50	Top of spur brs. E. of S.	x40
	Descend into canada.	
22.80	Foot of bluff, course W. S. W.	-100
25.00	Arroyo course W.	
27.25	Leave bottom course W. S. W. Ascend bluff and slope.	
33.80	Ridge brs. E. & W.	x75
37.20	Top of spur brs. E. of S.	x25
38.50	Set cedar post 3 ft. long 3 ins. sq. with marked stone 1 ft. in ground to bedrock on S. point of spur for $\frac{1}{4}$ sec.cor. marked $\frac{1}{4}$ S. on W. face, from which a Scrub white oak 8 ins. dia. brs. N. 9° 40' W. 60 lks.dist. marked $\frac{1}{4}$ S. B. T. and raised a mound of stone and gravel 2 ft. base 1 $\frac{1}{2}$ ft. high W. of cor. Descend into a canada.	-20
43.30	Foot of hill, brs. E. N. E. and W. S. W.	-50
46.00	Arroyo course S. of W. (heads about 5.00 chs. N.E. of NW.cor. of Tp.	
47.50	Leave bottom, ascend bluff brs. W. S. W.	
50.10	Top of narrow point of mesa bet. Canadas, about 4.00 chs. E. of forks.	x20
51.35	Foot of bluff brs. S. of W., bottom of canada.	-20
51.50	Arroyo course S. of W.	
55.30	Leave bottom of Canada, course about W. Thence through considerable brush.	
58.50	Top of spur brs. W.	x35
66.60	Bottom of ravine, course W. Ascend low mountain, soil loose loam and gravelly 3rd & 4th rate. Very little timber. Mountainous land 78.50 chs.	-40

Sept. 28, 1896.

From the cor. to secs. 14, 15, 22 and 23 in the auxiliary base line
thro the middle of the Tp. already described, I run N. 0° 01' W. bet.
secs. 14 and 15.

1.40	Ascend over broken slope. Top of bank of valley brs. E. & NW. Enter mesa of dense greasewood.	x10
6.50	Leave mesa and descend into open brush.	
11.10	Bottom of ravine course NNW.	-40
14.80	Top of brushy ridge brs. NNW. Descend into Aliso Canon.	x25
16.50	Bottom of bluff, enter wash 30 lks. wide course NW. & N.	-30
17.30	Enter wash course N.	
18.80	Leave wash course NW. Ascend.	
20.00	Top of bluff and edge of brushy mesa.	x20
24.50	Gentle slope N.	
35.00	Edge of plain at abrupt bluff of fork of Aliso brs. nearly W.	-20
35.70	Foot of bluff.	-30
	Thence across stony arroyo, 20 lks. wide course W. NW. thro willows.	
36.30	Road from Tejuanga Mines to Acton brs. E. & W.	
37.00	Ascend point of spur brs. SSE.	
39.00	Top of spur Thence along steep hillside sloping E. into short deep canon brs. S. Through open brush.	x40

40.00	Set stone 24 x 12 x 4 ins. 18 ins. in ground for $\frac{1}{4}$ sec. cor. out $\frac{1}{4}$ on W. face, and raised a mound of stones and gravel 3 ft. base, 2 ft. high W. of cor.	
42.40	Bottom of ravine course SE.	-20
46.20	Ravine near its head, brs. W. of S.	x20
49.55	Top of connecting ridge brs. NE. & SW.	x40
	Descend and cross broken valley covered with greasewood brush.	
56.70	Bottom of ravine course NW.	-75
60.40	Top of low spur brs. W.	x15
71.10	Bottom of ravine course W.	-20
72.60	Top of spur brs. W.	x25
74.90	Bottom of ravine course W.	-20
76.30	Top broad spur brs. W.	x20
79.00	Bottom of narrow ravine, course SW.	-15
	Ascend steep bluff.	
80.00	Set a stone 24 x 14 x 8 ins. 20 ins. in mound of stone and earth on bedrock, for cor. to secs. 10, 11, 14, 15, out 4 notches on S. and 2 notches on E. edges; T. 4 N., on NE., R. 12 W., on SE. faces, and raised a mound of stones 2 ft. base $1\frac{1}{2}$ ft. high W. of cor.	x42
	Land mountainous, and broken mesa.	
	Soil loose loam and gravelly 3rd rate.	
	No timber, mostly covered with greasewood brush.	
	Mountainous land 80.00 chs.	

Sept. 28, 1896

East on a random line bet. secs. 11 and 14.

Var. 14° 30' E.

40.00	Set temp. $\frac{1}{4}$ sec. cor.	
80.20	Int. N. & S. line 42 lks. N. of secs. 11, 12, 13 and 14, Thence I ran N. 89° 42' W. on true line bet. secs. 11 and 14.	
	Through open scrub and brush.	
	Descend W. slope of mountain.	
1.50	Bottom of ravine course N. of W.	-40
	Ascend S. slope of mountain.	
4.20	Top of ridge brs. N.	x25
	Descend through pines and cedar.	
5.25	Bottom of ravine course E. of N.	-15
12.00	Top of mountain spur brs. N.	x75
14.50	Bottom of steep ravine (near head) course N. & NW.	-20
17.25	Top of N. and end of stony spur brs. N.	x25
20.25	Bottom of ravine course W. of N.	-40
22.25	Top of spur brs. N.	x20
32.00	Bottom of arroyo course N. at foot of mountain slope.	-150
33.00	N. point of spur in valley.	x15
33.80	Bottom of ravine course E. of N.	-20
39.50	Top of mountain spur brs. N.	x100
	Thence along N. side of mountain, and through dense scrub oak manzanita and buckthorn.	
40.10	Set stone 28 x 16 x 5 ins. bounded by stones, 20 ins. in ground in slight valley descending N. for $\frac{1}{4}$ sec. cor., out $\frac{1}{4}$ on N. face, from which a	-10
	Scrub white oak 4 in. dia. brs. S. 89° W. 7 lks. dist. marked $\frac{1}{4}$ S. B. T.	
	Scrub white oak 6 in. dia. brs. S. 28 $\frac{1}{2}$ ° E. 11 lks. dist.	
	Raised a mound of stone 2 ft. base and $1\frac{1}{2}$ ft. high N. of cor.	

43.00	Top of ridge to side of mountain brs. N.	x50
	Thence over valley sloping N.	-25
52.75	Top of ridge or spur brs. N.	
54.25	Top of main spur brs. W. of N.	x30
	Descend rocky W. slope of mountain along S. slope of the spur which soon nearly brs. W. leave dense growths of brush and enter open brush.	
77.90	Foot of descend in bottom of ravine, course S. (general course W.S.W.)	-475
78.50	Top of bluff and stony mesa.	x15
80.20	The cor. secs. 10, 11, 14, 15. Land mountainous, soil loose loam and stony 2nd and 4th rates. Timber, scrub oak, some manzanita, a few pines and cedars. Mountainous land 80.20 chs.	

	North 0° 01' W. bet. secs. 10 and 11. Ascend over rough broken country.	
1.80	Top of spur brs. SW.	x15
3.00	Bottom of long ravine, from E. N. E. to SW.	-15
6.00	Top of spur brs. SW.	x30
8.40	Bottom of ravine course SW.	-10
16.20	Top of spur brs. SW.	x50
20.00	Bottom of ravine course S.S.W.	-10
21.95	Top of rocky spur brs. S.W. (the main spur of mountain to the E. N. E.)	x50
25.10	Bottom of ravine course SW.	-40
25.60	Road of Tejuanga Mines to Vincent brs. NE. & SW. at about 9.00 chs. S.W. from summit of pass in mountains.	
27.20	Top of point of spur brs. SW.	x30
34.10	Top of mountain brs. E. & W. Descend through open brush with an occasional pine.	x100
40.00	Set a stone 17 x 12 x 8 ins. 12 ins. in ground to bedrock on a ridge, brs. N. & S. for $\frac{1}{4}$ sec. cor., out $\frac{1}{4}$ on W. face, and raised a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor.	
42.00	Foot of mountain in saddle of a divide, brs. N. & S.	-100
45.25	Top of ridge brs. NW. & SE.	x30
48.15	Top of spur brs. E.	x10
53.30	Bottom of ravine course E.	-40
56.60	Top of spur brs. N. of E.	x40
61.40	Bottom of ravine course NE.	-30
63.70	Top of spur brs. N. of E.	x20
65.50	Bottom of main ravine 10 lks. wide course E. and then NE. comes from high mountains to NW. Ascend over S. slope of mountain.	-25
67.65	Top of spur brs. E.	x30
72.40	Bottom of ravine course SE.	-10
Sept. 29, 1896		
80.00	Set 18 x 12 x 5 ins. stone in mound of stones and ground to bedrock on S. slope of Mt. for cor. to secs. 2, 3, 10 and 11, 5 notches on S. and 2 notches on E. edges; R. 12 W. on NE. and T. 4 N. on S.E. faces and raised a mound of stones 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Land mountainous, soil loose loam and gravelly; 2nd & 3rd rate. Timber occasionally a pine of small growth. Mountainous land 80.00 chs.	

The cor. of secs. 1, 2, 11 and 12 being visible I run for said cor.
S. 89° 59' E. on a random line bet. secs. 2 and 11.

Var. 14° E.

40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.30 Int. N. & S. line at cor. to secs. 1, 2, 11 and 12.
Thence I run
N. 89° 59' W. on the true line bet. secs. 2 and 11.
0.50 Top of ridge descending N. about 100 chs. N. of W. end of Mt.
Descend through open brush.
14.50 Bench of denser brush. -150
15.30 Leave edge of mesa.
19.50 Bottom of ravine course NW. -20
Ascend broken slope.
33.00 Top of divide brs. N. & S. x40
35.00 Top of ridge or spur brs. N. & S. -50
36.30 Bottom of ravine course N. of W. -20
38.00 Top of spur brs. N. of W. x10
40.00 Foot of slope (brs. NW.) and bottom of canon from divide
to Santiago Canon T. 4 N., R. 11 W. -25
40.15 Set stone 18 x 10 x 8 ins. 12 ins. in ground for $\frac{1}{4}$ sec. cor.,
cut $\frac{1}{4}$ on N. face, from which a
Cherry 5 in. dia. brs. N. 66 $\frac{1}{2}$ ° E. 40 lks. dist.
marked $\frac{1}{4}$ S. B. T.
Cherry 5 in. dia. brs. S. 82 $\frac{1}{2}$ ° E. 22 lks. dist.
marked $\frac{1}{4}$ S. B. T.
Raised a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high N. of cor.
44.80 Leave bottom of canon.
47.00 Top of bluff brs. NW. x20
Enter mesa and dense brush (greasewood)
57.90 Edge of mesa, leave brush.
59.40 Road (S.S.E. to Cooper's house) in bottom of ravine course W.
of N. -25
60.90 Top of narrow spur brs. N. (soon terminates).
62.30 Feet of bluff bottom of Ky. Springs Canon, course N.
64.20 Road brs. N. & S. from Tejunga to Vincent.
64.30 Leave bottom. Ascend E. slope of mountain.
76.20 Top of ridge of angle E. end of Mt., descend S.E. Ky. Springs brs.
S. 29° 25' E., house of J.C. Cooper brs. S. 40° 23' E., about ____ chs.
dist. x225
Va. 13° 50' E.

Thence along S. slope of Mt.
60.30 The cor. to secs. 2, 3, 10 and 11.
Land mountainous, soil loose loam, 2nd rate.
No timber of line. A clump of large cottonwoods stands in
Ky. Springs about 15.00 chs. S. of line.
Mountainous land 80.30 chs.

North 0° 01' W. on random line bet. secs. 2 and 3.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
78.30 Int. N. E. of Tp. 220 lks. S. 89° 53' W. of cor. secs. 34 and 35,
of T. 5 N., A post in mound of stones and earth, lately built is
marked for cor. to secs. 2, 3, 34 and 35, and also S. G. F. R. for
bdy. of San Gabriel Forest Reservation.
As this falling is greater than the prescribed limits for closing
upon the cor. found, I obliterated the marks for secs. 2, 3, upon
the post and set stone 20 x 12 x 8 ins. 14 ins. in ground at said
point of intersection for closing cor. to secs. 2 and 3, cut C.C.
T. 4 N., R. 12 W. and 6 grooves on S. 2 grooves on E., 4 grooves
on W. face and raised mound of stones 2 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high S.
of cor.

Thence I run
 South 0° 01' E. on true line bet. secs. 2 and 3.
 Over bottom of Ky. Springs Canon.
 Through open brush.

12.30 Enter wash course W. of N.
 14.70 Leave wash course W. of N.
 29.00 Leave valley course W. of N.
 Ascend N. slope of Mt. spur.
 33.75 Top of stone spur brs. N.E. x50
 35.80 Foot of S. slope -25
 37.30 Bottom of arroyo 20 lks. wide course NE.
 Ascend bluff into scattering pines and oak.
 38.30 Set a stone 20 x 8 x 8 ins. in a mound of stone on a x20
 rock ledge, brs. NE. for $\frac{1}{4}$ sec. cor., cut $\frac{1}{4}$ on W. face and
 raised mound of stones 2 ft. base $1\frac{1}{2}$ ft. high S. of cor.,
 from which a
 Pine 12 in. dia. brs. S. 51° 50' W. 47 lks. dist.
 Ascend N. slope of Mt.

44.30 Top of slope. Var. 14° 25' E. -200
 Thence along E. slope.
 50.30 Mound of stone at N. side of large boulder 7 ft. high in reef
 of rocks spur sloping E.
 56.30 Foot of slope in bottom of arroyo 10 lks. wide and 2 ft. deep
 course E. in a cove in E. side of Mt. and opening into Ky.
 Springs Canon. -150
 61.00 Leave same and ascend N. slope of mountain.
 72.80 Top of slope. x250
 Thence along slope of E. end of spur.

73.30 About 1.00 ch. E. of shoulder of spur. Va. 13° 45' E.
 74.50 Top of mountain angle sloping SE. x250
 Descend S. slope.
 78.30 The cor. to secs. 2, 3, 10 and 11.
 Land mountainous and level.
 Soil loose loam and stony 3rd and 4th rate.
 Timber a few small pines.
 Mountainous land 49.50 chs.

Sept. 30, 1896.

 From the cor. to secs. 15, 16, 21 and 22 in the auxiliary base
 through the middle of the Tp. already described, I run
 North 0° 02' W. bet. secs. 15 and 16.
 Descend N. slope of Mt. through open oak scrub & greasewood brush
 16.30 Foot of mountain in deep ravine, course N. of E. -350
 Ascend steep bluff.
 25.65 Top of spur brs. N. of E. x100
 31.90 Bottom of ravine course SE. -35
 34.15 Top of spur brs. E. x40
 (Stewart and Schwartz stone cabin brs. N. 49° 10' E. about 29.00
 chs. dist.) Va. 14° 25' E.
 39.60 Bottom of ravine course N. of E. -100
 40.00 Set stone 24 x 12 x 4 in. in mound of earth and stones in
 ground to bedrock on S. slope for $\frac{1}{4}$ sec. cor., cut $\frac{1}{4}$ on W. face and
 raised a mound of stones 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 41.50 Top of spur brs. E. x25
 54.00 Foot of mountain in bottom of ravine course NE. -150

55.75	Top of bluff and edge of mesa gently inclines to NW.	x10
	Dense brush.	
60.70	Enter E. E. Owen's clearing brs. N. & S.	
67.00	Leave same.	
	(Owen's cabin brs. N. 86° W. about 25 chs. dist.)	
	Through dense brush.	
70.50	Edges of mesa W. bank of Jones' Cabin course E. of N.	-60
	Descend stony bluff.	
71.75	A stone in mound of stone marked R. on W. face for new road survey	
76.00	Foot of bluff.	
	Thence over stony bottom, through scattering sycamores and XXXXXX cottonwoods, bottom about 2.50 chs. directly across.	
76.90	Road Tejuanga Mines to Acton brs. NW. & SE. Enter Aliso canon brs. NW.	
78.27	A cottonwood 16 in. dia. in line, out 2 hacks on N. & S. sides.	
79.30	Leave bottom of canon, course NW. soon W.	
80.00	Cut X and 4 grooves on S. side and 3 grooves on E. side.	x20
	T. 4 N., R. 12 W. on top of a boulder 5 x 3 x 1 ft. out of ground in W. side of arroyo in SW. side of Mt. for cor. to secs. 9, 10, 15 and 16, from which a	
	Cottonwood 12 in. dia. brs. S. 10° 25' E. 150 lks. dist.	
	marked T. 4 N., R. 12 W. S. 15 B. T.	
	Cottonwood 16 in. dia. brs. S. 31° W. 77 lks. dist.	
	marked T. 4 N., R. 12 W. S. 16 B. T.	
	No trees in sec. 9 and 10 available for witness to this cor.	
	Raised a mound of stones 2 ft. base, 1½ ft. high on N. end of boulder.	
	Land mountainous, broken and level, soil light loam 2nd rate.	
	No timber, except a few cottonwood and sycamore trees in canons.	
	Mountainous land and dense brush 66.00 chs.	

	East on a random line bet. secs. 10 and 15.	Va. 14° 25' E.
40.00	Set temp. ¼ sec. cor.	
79.92	Int. N. & S. (Oct. 1, 1896) line 35 lks. S. of cor. to secs. 10, 11, 14 & 15,	
	Thence I run	
	S. 89° 45' W. on true line bet. secs. 10 and 15.	
	Over foothills spurs.	
	Through open brush.	
2.00	Top of rocky hillock.	x20
5.75	Bottom of ravine course SW.	-25
9.25	Top of spur brs. SW.	x10
10.70	Old trail brs. NE. & SW.	
11.50	Bottom of ravine course SW.	-15
13.75	Top of spur brs. SW.	x10
	Road from Tejuanga Mines to Vincent, brs. NE. & SW.	
15.50	Bottom of ravine course SW.	-15
18.25	Top of spur brs. W. of S.	x10
19.20	Bottom of ravine course W. of S.	-15
20.25	Top of bluff, brs. S. edge of mesa inclines to SE.	x15
24.25	W. edge of mesa brs. S. Descend bluff.	
25.10	Bottom of ravine course S.	x15
27.20	Top of spur brs. S.	-20
27.90	Bottom of ravine course S.	x25
30.30	Top of spur brs. S.	-20
31.90	Bottom of ravine course S. soon SE.	x25
32.60	Top of bluff edge of mesa inclines to SSE.	
38.75	W. edge of mesa brs. S. Begin descent.	

39.96	Set a stone 18 x 12 x 8 ins. bounded by stones 12 ins. in ground for 1/4 sec. cor., out 1/4 on N. face; raised a mound of stones, 2 ft. base 1 1/2 ft. high N. of cor. (The forks of the road from Tejunga Mines to Acton and Vincent in Aliso Canon brs. S. 5° W. about 30 chs. dist.)	
41.25	Bottom of ravine course SSW.	-30
43.75	Top of spur brs. SSW.	x20
46.00	Bottom of ravine brs. SSW.	-40
48.90	Top of spur brs. S.	x30
51.35	Bottom of ravine course W. of S.	-50
53.25	Top of spur brs. S.	x30
54.75	Bottom of ravine course S.	-40
58.75	Top of spur brs. SW.	x50
63.90	Bottom of ravine course S.	-60
65.10	Top of spur brs. S.	x30
66.00	Bottom of ravine course S.	-25
67.75	Top of spur brs. SE.	x25
71.75	Bottom of arroyo 20 lks. wide 2 ft. deep foot of bluff brs. S.	-60
73.80	Bottom of arroyo 10 lks. wide 3 ft. deep course S. Ascend.	
75.25	Top of spur brs. SSE. Descend.	x40
79.00	Slight ridge forming top of bluff which descends into Aliso Canon.	
79.92	The cor. to secs. 9, 10, 15 and 16. Land mountainous and broken foothills. Soil lean and hard pan 2nd and 3rd rate. No timber, open greasewood brush. Mountainous and very broken land, 79.92 chs.	-50

	North 0° 02' W. bet. secs. 9 and 10. Ascend over high spurs and along W. side of Mt. Through open small brush (mostly wild buckwheat).	
1.20	Top of spur brs. SW.	x30
4.90	Top of spur brs. W.	x100
5.50	Bottom of ravine course W.	-50
13.60	Top of spur or ridge SW. Side of Mt. about 2.50 chs. W. of a peak. Thence across sag or valley sloping W.	x300
		Va. 14° 30' E.
23.50	Ridge brs. E. & W. at about 4.00 chs. W. of another peak. Descend.	x125
		Va. 14° 30' E.
27.00	Bottom of ravine course SW.	-10
35.40	Top of spur brs. W. about 6.00 chs. W. of another peak	x150
		Va. 14° 15' E.
	Descend steep rocky slope, through open oak scrub.	
40.00	Set stone 30 x 12 x 8 ins. in mound of stones on bedrock for 1/4 sec. cor. cut 1/4 on W. face, raised a mound of stones 2 ft. base 1 1/2 ft. high W. of cor. Continue descent.	
44.20	Bottom of junction of rocky ravines from E. and SSE. Course W.	-150
	Ascend steep rocky bluff.	
46.00	Flat top of spur brs. W.	x40
49.00	Bottom of ravine course SW.	-50
52.40	Top of spur brs. W.	x100
	Raised a mound of stones on line.	
59.80	Bottom of ravine course W.	-125
62.10	Top of bluff brs. W.	x20
70.10	Bottom of ravine course SW.	-50
73.80	Top of bluff brs. SW. edge of mesa. Through dense greasewood brush.	x50
78.60	Enter arroyo 40 lks. wide 4 ft. deep course SW.	

80.00 Ascend gentle slope through open brush.
The SW. stem of a stool scrub oak 4 in. dia. for cor. to secs. 3, 4, 9 & 10, marked T. 4 N., S. 3 on NE., S. 10 on SE., S. 9 on SW., R. 12 W. S. 4 on NW. faces, raised a mound of stones 4 ft. base, 2½ ft. high 3 ft. W. of cor. x20
Land mountainous, soil poor loam and rocky 3rd & 4th rates.
No timber except a little scrub oak and occasionally a cedar;
some "bee feed" in 1st half mile.
Mountainous and dense brush 80.00 chs.

N. 89° 45' E. on a random bet. secs. 3 and 10. Va. 13° 15' E.

40.00 Set temp. ¼ sec. cor.
79.88 Int. N. & S. line at 17 lks. N. of cor. to secs. 2, 3, 10 and 11, Oct. 3, 1896.

Thence I run
S. 89° 52' W. on the true line bet. secs. 3 and 10.
Along the S. side of mountain in open brush.

2.10 Bottom of stony ravine course S. -20
4.00 Top of spur brs. S. Descend. x15
11.70 Enter wash 60 lks. wide course S. -10
A main storm water channel from high Mt. standing to NNW.
Its course curves to the E. & ENE. opening into Ky. Springs Canon.

17.90 Top of broad spur brs. S. the water shed. x40
20.80 Bottom of ravine course S. -50
23.30 Top of spur brs. S. x40
27.20 Bottom of ravine course S. -70
31.60 Top of spur or angle in side of mountain brs. S. x50
36.70 Bottom of rocky ravine course S. -80
39.10 Top of rocky spur descending from Mt. peak about N. brs. to S. x75
39.94 Set a stone 32 x 18 x 4 ins. in mound of stones near top of W. slope of spur for ¼ sec. cor., cut ¼ on N. face, raised a mound of stones 2 ft. base 1½ ft. high N. of cor.

44.30 Ravine 150 lks. wide 10 ft. deep on bench of W. side of mountain course S.

63.20 Bottom of ravine at foot of mountain course SW. -300
67.70 E. edge of mesa, inclined to the SW. through dense grease-wood brush. x10
72.90 Leave mesa, descend bluff brs. S. -10
73.70 Bottom of ravine brs. S. -20
74.50 Top of bluff edge of mesa land. x20
78.10 Enter arroyo 40 lks. wide 3 ft. deep course SSW. soon SW.
79.88 The cor. secs. 3, 4, 9 and 10.
Land mountainous and broken plain, soil sandy loam and stony 2nd and 4th rates. No timber.
Mountainous land 74.50 chs.

North 0° 02' W. on a random line bet. secs. 3 and 4.

40.00 Set temp. ¼ sec. cor.
78.35 Int. N. B. of Tp. 168 lks. N. 88° 12' W. of the cor. to secs. 33 & 34, T. 5 N., an iron post set in a mound of stones and earth with a large stone at N. side, is marked for cor. secs. 3, 4, 33, 34, also S.G.F.R. 43 for iron post N. 43 bdy. San Gabriel Reservation. As this falling is beyond the prescribed limits for closing on the old cor. at the point of intersection, I set a stone 26 x 16 x 12 ins. 18 ins. in ground on the slope near top of N. bank of the ravine for closing cor. secs. 3 and 4, cut C.C. and 6 grooves on S. 3 grooves on E. 3 grooves on W. from which a
Pine 10 in. dia. brs. S. 4° E. 124 lks. dist.
marked T. 4 N., R. 12 W., S. 3 B. T.
Pine 10 in. dia. brs. S. 75½° W. 125 lks. dist.
Marked T. 4 N., R. 12 W., S. 4 B. T.

Raised mound of stone 2 ft. base $1\frac{1}{2}$ ft. high S. of cor.
 Thence $0^{\circ} 02'$ E. on true line bet. secs. 3 and 4.
 0.45 Bottom of ravine course NW. -20
 0.85 Top of S. bank of ravine x25
 Ascend N. slope of mountain through scattering pines & scrub oak.
 19.35 Top of mountain ridge, at base of peak rising to S. -400
 56 $\frac{1}{2}^{\circ}$ E. ridge brs. N. $70\frac{3}{4}^{\circ}$ W.
 Thence along W. side of mountain on steep slope.
 23.00 Bottom of rocky ravine, near its head course W. -30
 23.65 Cross rocky bluff brs. W. x20
 31.35 Top of narrow mountain ridge and ledge of rocks brs. x50
 N.E. & S.W. on which raised a mound of stones on which mound of
 stones on line, from which a mining prospect brs. S. 35° W. 2.00 chs.
 dist. and Olympia Nyssias "prospect tunnel" across mountain valley
 brs. $48\frac{1}{4}^{\circ}$ W. about 25.00 chs. dist.
 Descend along the E. slope of the mountain; rocky broken surface,
 no timber, very little brush.
 37.55 At brow of steep slope of loose stones. -100
 As true point for $\frac{1}{4}$ sec. cor. is on unstable surface, set stone (here)
 30x16x10 ins. in a mound of stones on bench of bedrock for witness
 cor. to $\frac{1}{4}$ sec. cor., cut W. C. $\frac{1}{4}$ on W. face, raised mound of stones 3
 ft. base 2 ft. high W. of cor.
 Descend steep slope.
 38.35 True point for $\frac{1}{4}$ sec. cor.
 40.55 Bottom of rocky ravine course E. -50
 43.10 Ridge in E. slope in side of mountain. x30
 50.15 Top of spur brs. SE. -150
 55.75 Bottom of ravine course E. -150
 59.35 Top of spur brs. E. x50
 64.75 Foot of mountain brs. NE. & WSW. -75
 Over plain inclining SW. through open brush.
 78.35 The cor. to secs. 3, 4, 9 and 10. -30
 Land mountainous and plains, soil rocky and sandy loam, 2nd
 and 5th rates. Timber small pines and scrub oaks.
 Mountainous land 66.50 chs. Oct. 3, 1896.

 From the cor. secs. 16, 17, 20 and 21 in the auxiliary base line E.&W.
 through the middle of the Tp. already described I run
 North $0^{\circ} 02'$ W. bet. secs. 16 and 17.
 Over plains gently descending N. through dense greasewood.
 1.60 Enter bottom of arroyo course from E. of S. to N. -10
 2.55 Int. old road brs. E. of N. and W. of S.
 3.60 Leave arroyo course E. of N.
 7.90 Edge of plain E. bank of Gleason Canon coming from W. of S. -20
 Thence along the bank.
 9.00 Descend into a cove in bank.
 11.00 Bottom E. side of canon. -25
 13.50 Regain top of bluff. x20
 21.00 Bottom of canon in cove in E. bank. -50
 37.50 Regain top of bank and point of plain; opposite springs x30
 in canon. x30
 40.00 Set stone 36 x 14 x 12 ins. in mound of stones and earth near
 top of E. bluff of Gleason Canon for $\frac{1}{4}$ sec. cor., cut $\frac{1}{4}$ on
 W. face, from which a
 Cottonwood 30 in. dia. brs. N. $83^{\circ} 50'$ W. 25 lks. dist.
 marked $\frac{1}{4}$ S. B. T.
 Sycamore 6 in. dia. brs. S. $16^{\circ} 40'$ W. 67 lks. dist.
 marked $\frac{1}{4}$ S. B. T.

Raised a mound of stones 3 ft. base $1\frac{1}{2}$ ft. high W. of cor.
 Thence descend stony bluff to bottom and cross canon through
 cottonwood and alders and thicket of undergrowth.
 42.30 Stream 5 lks. wide course E. of N. -75
 45.00 W. side of bottom of foot of stony bluff
 47.25 Top of bluff, W. Bank of the Gleason Canon. x20
 Thence over rolling plain, through rank greasewood and
 Occasionally a cedar. Oct. 6, 1896.
 67.10 Enter wash 15 lks. wide course NE.
 69.20 Enter wash 15 lks. wide course NE.
 80.00 Set stone 20 x 16 x 10 ins. bounded by large stones 14 ins. in the
 ground in a sag or valley, course NE. for cor. to secs. 8, 9, 16 &
 17, cut notches on S. & E. edges and T 4 N on NE. and R. 12 W. on
 SE. faces, from which a
 Prong of stool cedar 6 in. dia. brs. N. 71° E. $11\frac{1}{2}$ lks. dist.
 marked T 4 N, R 12 W. S. 9 B. T.
 Prong of stool cedar 8 in. dia. brs. S. 22° 20' W. 29 lks. dist.
 marked T 4 N, R 12 W. S. 17 B. T.
 No other trees available for witnesses to this cor.
 Raised mound of stones 2 ft. base $1\frac{1}{2}$ ft. high E. of cor.
 (The seat of mound at W. side would be subject to wash by storm)
 Land, plains broken by the Gleason Canon.
 Soil, sandy loam, 2nd rate.
 Timber, some cottonwood, sycamore and alder in the canon;
 a few cedars and manzanita on upland. A rank growth of greasewood
 brush generally covers the plains.
 Dense brush and undergrowth 80 chs.

East on a random line bet. secs. 9 and 16. Va. 14° 15' E.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.90 Int. N. & S. line 24 lks. N. of cor. of secs. 9, 10, 15 and 16,
 Thence I run
 N. 89° 50' W. on true line bet. secs. 9 and 16.
 Descend into bottom of Aliso Canon and through scattering
 cottonwoods.
 0.90 Foot of bank into wash 30 lks. wide course N. of W. -20
 3.25 Road Tejunga Mines to Acton brs. NW. & SE. in wash at foot of the
 headland in the junction of Jones' and Aliso Canons.
 Ascend and along W. bank through dense scrub oak and brush.
 4.75 Top of point of bluff, brs. SE. & W.S.W. x15
 6.75 Bottom of canon. -20
 Leave thicket, enter scattering cottonwoods.
 12.00 Middle of wash, dry bed of storm stream 30 lks. course S.W. -10
 15.25 Road brs. E.N.E. and W.S.W.
 Leave all timber.
 16.00 Ascend spur through greasewood.
 20.75 Top of spur N. side of canon brs. S. Descend. x35
 24.50 Foot of ridge. -20
 31.50 Top of bluff. Descend bank of canon.
 32.75 Bottom of canon course NW. -30
 Through scattering cottonwood.
 35.50 Road SE. & NW. Tejunga to Acton.
 37.75 Arroyo 20 lks. wide course N. of W. (contains some water pools).
 38.00 Ascend S. bluff of Aliso Canon, leave trees.
 38.30 Top of bank and bench in angle of branch canon. x10
 Enter dense greasewood.
 39.95 Set stone 28 x 18 x 16 ins. 20 ins. in ground for $\frac{1}{4}$ sec. cor.

	cut $\frac{1}{4}$ on N. face, from which a Cottonwood $\frac{1}{4}$ in. dia. brs. N. 10° E. 145 lks. dist. marked $\frac{1}{4}$ S. B. T. Cottonwood 6 ins. dia. brs. N. $30\frac{1}{2}^{\circ}$ E. 138 lks. dist. marked $\frac{1}{4}$ S. B. T.	
40.25	Descend into branch canon course N.	
40.90	Bottom of arroyo about 1.00 chs. wide course N.	-10
42.20	Top of stony bluff.	x20
	Thence over plains and through dense brush.	
53.45	Wood road brs. N. & S.	
61.00	Road (Owens to Acton) brs. N. N. W.	
62.90	Edge of mesa, top of bluff of Gleason Canon. Descend at mouth of branch from SE.	
63.50	Bottom of canons, course N.N.W.	-25
69.30	Dry arroyo course N. in scattering sycamore. Ascend steep W. bluff of canon.	
70.40	Top of bluff and edge of mesa. Re-enter brush, with occasionally a cedar.	x40
72.90	Edge of mesa, top of bank course N.	
76.60	Bottom of canon course N. wash 25 lks. wide	-20
78.00	Regain plain scattering cedars and open brush.	x20
79.90	The cor. to secs. 8, 9, 16 and 17. Land plains broken by deep channels formed by storm floods, descending N. from the Gleason Mt. Soil sandy loam, good 2nd rate. Timber, a few cottonwoods and sycamore in the canons and a very few cedars on upland. Dense brush 40.00 chs.	

0.12	North 0° $02'$ W. bet. secs. 8 and 9. Arroyo 5 lks. wide 1 ft. deep course NE. Thence ascend through dense greasewood.	
6.50	Ridge brs. NE. & SW.	x40
7.30	Summit of line on W. side of round hills about 2.00 chs. W. of its peak.	x10
10.50	Spur of ridge descending to NW.	-20
16.70	Foot of hill at top of steep bluff into Gleason Canon, course NW. Enter timber.	-30
18.55	Bottom of canon.	-40
19.00	Dry bed of stream 20 lks. wide course NW. a short dist. below are waterpools.	
21.20	Across bottom at angle of east bluff from SE. to nearly N. Thence ascend along the side of E. bluff.	x90
29.00	Top of bluff W. point of mesa.	x30
30.40	Descend side of bluff.	
32.50	Bottom of canon in a cove at E. side.	
35.50	Ascend the side of bluff curving to NW.	
36.70	Top of bluff, brs. NW. S. edge of grade of road brs. SE. to Owens place, sec. 16, and NW. descending point or headline at junction of canons.	x35
37.20	Across point of mesa. Descend precipitous bluff into Alise Canon brs. NW. & S. of E.	-45
38.80	Foot of bluff, bottom of canon brs. NNW.	
39.15	Bottom of arroyo bed, 20 lks. wide course NW.	
40.00	Point for $\frac{1}{4}$ sec. cor. falls in the road, Tejunga Mines to Acton bearing NW. & SE.	
40.10	As the $\frac{1}{4}$ sec. cor. falls upon the traveled roadway set stone 18x14x8 ins. 12 in. in ground on swell of surface in bottom of canon for witness cor. to $\frac{1}{4}$ sec. cor., cut $\frac{1}{4}$ W.C. on W. face, from which a	-10

Cottonwood 22 in. dia. brs. S. $33\frac{1}{4}^{\circ}$ E. 69 lks. dist.
marked $\frac{1}{4}$ S. B. T.
Cottonwood 24 in. dia. brs. N. $13^{\circ} 35'$ W. 74 lks. dist.
and the NE. cor. of the stone cabin brs. S. $87^{\circ} 50'$ W. 225 lks.
dist. raised a mound of stones 2 ft. base $1\frac{1}{2}$ ft. high W. of cor.
Oct. 6, 1896.

40.60 Across bottom at foot of bluff.
41.70 Top of bluff. x30
Thence over stony mesa through open brush.
41.95 Cut X in line on top of boulder 8 x 6 x 3 ft. out of ground.
Va. $13^{\circ} 15'$ E.
47.20 Cross rock ledge descending W.
Va. $13^{\circ} 30'$ E.
Thence descend into Aliso Canon.
50.80 Foot of bluff E. side of bottom of canon brs. from W. of S. to
W. of N. Ascend. -40
52.40 Regain top of bluff. x30
57.00 Arroyo 10 lks. wide and 2 ft. deep course W.
64.90 Top of spur brs. N. of W. x25
67.30 Bottom of ravine course W. -25
69.00 Top of spur brs. W. x20
71.00 Foot of bluff, enter wash, course W. 90 lks. wide -35
73.00 Top of N. bluff of canon, edge of mesa. x40
79.00 Enter open brush and stumps of cedar, wood road, brs. E. & W.
80.00 Set stone $16 \times 8 \times 8$ ins. 10 ins. in ground for cor. secs. 4, 5, 8 & 9,
cut 5 notches on S. edge, 4 notches on E. edge, 4 N. on N.E. face,
12 W. on SE. face, raised a mound of stones 2 ft. base $1\frac{1}{2}$ ft. high
W. of cor.
Land rough and hilly, soil lean and stony, 2nd & 4th rates.
Timber, cottonwood and sycamore in canons, and a few cedars,
on uplands. Mountainous land 80 chs.

40.00 S. $89^{\circ} 50'$ E. on a random line bet. secs. 4 and 9.
Set temp. $\frac{1}{4}$ sec. cor. Va. $14^{\circ} 20'$ E.
80.00 Int. N. & S. line 13 lks. S. of cor. to secs. 3, 4, 9 and 10.
Thence I run
N. $89^{\circ} 56'$ W. on a true line bet. secs. 4 and 9.
Over plains inclining SW. and through open brush and cedar stumps.
7.40 Edge of same. Descend.
8.30 Bottom of ravine course S. -30
Over rolling land.
19.75 Top of spur brs. SW. x20
25.30 Bottom of ravine course SW. -50
27.00 Top of spur course SW. x20
29.50 Bottom of ravine course NW. -25
31.25 Arroyo, 10 lks. wide 2 ft. deep in ravine course S. of W.
Ascend uneven surface.
40.00 Set stone 8 x 5 x 4 in. 12 in. in ground on S. slope for $\frac{1}{4}$ sec. cor.
out $\frac{1}{4}$ in N. face, raised mound of stones 2 ft. base $1\frac{1}{2}$ ft. high N.
of cor. x25
40.50 Ridge in S. slope of hill about 1.00 chs. S. of peak.
Descend.
50.75 Bottom of arroyo 1 ft. deep, wash 50 lks. wide course SW. -150
Thence over cedar plains.
71.50 Bottom of arroyo course NW. -10
80.00 The cor. to secs. 4, 5, 8 and 9.

Land plains and rolling, soil loam, good 2nd rate.
 Timber, a branchy juniper (cedar) mostly cut and removed.
 Dense brush and broken ground 50.00 chs.

40.00 North 0° 02' W. on a random line bet. secs. 4 and 5.
 79.59 Set temp. $\frac{1}{4}$ sec. cor.
 Int. N.B. of Tp. 3.55 chs. S. 89° 14' W. of cor. to secs. 32 & 33,
 T. 5 N., R. 12 W., the old post in a mound of stones on low spur
 which has been known and accepted as the cor. set by Dep. Hancock
 and described by the Surveyor General; the reservation surveyors
 have recently cut S.G.F.R. on it, confirming it as such cor. As
 the falling exceeds the prescribed limits for closing my line upon
 old cor. at said point of intersection I set a stone 20 x 14 x 14
 ins. 14 ins. in ground and mound of stones on NW. slope of low spur
 hill for closing cor. to secs. 4 and 5, cut C.C. 6 grooves and 4 N.
 12 W. on S. face, 4 grooves on E. face, 2 grooves on W. face; raised
 a mound of stones 2 $\frac{1}{2}$ ft. base 2 ft. high S. of cor.
 Thence I run
 South 0° 02' E. on true line bet. secs. 4 and 5.
 Va. 17° 15' E.
 Descend gentle slope of stony hillside through open brush and
 cedar land.
 6.30 Bottom of ravine course W. -35
 12.00 Top of rocky spur or ridge of Mt. brs. NW. x75
 17.30 Top of spur of Mt. brs. SW. at about 2.00 chs. W. from peak. x75
 Descend.
 26.90 Bottom of ravine course W. -140
 29.60 Top of spur brs. W. x20
 31.20 Bottom of ravine course N. of W. -10
 Ascend W. side of rocky mountain.
 39.59 Set stone 20 x 12 x 12 ins. 14 ins. in ground on NW. slope for $\frac{1}{4}$ sec.
 cor., cut $\frac{1}{4}$ on W. face, raised a mound of stone 2 ft. base 1 $\frac{1}{4}$ ft.
 High W. of cor.
 40.60 Top of ridgesloping NW. and about 5.00 chs. NW. of peak x140
 41.35 Cross reef of rock on which raised mound of stone on line.
 Descend rocky slope, no timber or brush.
 53.00 Bottom of deep ravine, at foot of mountain course W. -150
 54.10 Top of bluff and edge of mesa, brs. W. x40
 Thence through cedar and brush opening.
 58.00 Edge of mesa, at bluff of ravine.
 58.35 Bottom of ravine course W. -20
 60.30 Leave ravine ascend bluff.
 61.00 Edges of mesa brs. W. x25
 69.00 Leave mesa, descend.
 69.60 Bottom of ravine course W. -15
 70.60 Top of bluff, brs. W. x20
 73.60 Across narrow mesa. Descend.
 75.95 Bottom of ravine course NW. -15
 77.25 Top of bluff. x20
 79.59 The cor. of secs. 4, 5, 8 and 9.
 Land mountainous and broken, soil loam and rocky 2nd & 4th rates.
 Timber branching cedar (mostly cut and removed).
 Mountainous land 70.00 chs.

Oct. 7, 1896.

From the cor. of secs. 17, 18, 19 and 20 in the Auxiliary base E. & W.
 through the middle of the Tp. already described. I run North 0° 03' W.
 on the true line bet. secs. 17 and 18.
 Ascending over spur on the W. side of a mountain through open
 greasewood.

0.50	Witness cor., already described.	
6.00	Top of swell of foothill, sloping SW.	x45
7.60	Bottom of ravine course SW.	-30
11.40	Top of spur brs. SW.	x60
12.70	Bottom of ravine course SW.	-15
14.00	Top of spur brs. SW.	x45
18.30	Bottom of ravine course W.	-20
20.80	Arroyo 20 lks. wide, banks 2 ft. deep, course SW.	
24.00	Top of spur brs. W.	x45
25.40	Bottom of ravine course W.	-20
28.70	Top of reef of rock ridge of spur brs. W. peak of mountain stands SE., raised a mound of stones in line. Descend the N. slope.	x75
33.40	Bottom of ravine, course NW.	-80
36.50	Top of ridge or long spur brs. NW. Descend E. slope, through rank open greasewood and scattering manzanita.	x20
40.00	Set stone 21 x 12 x 5 ins. in mound of earth and stones to bedrock on N. slope of mountain, for $\frac{1}{4}$ sec. cor., cut $\frac{1}{4}$ on W. face, from which a Manzanita 6 in. dia. brs. N. $44\frac{1}{2}^\circ$ E. 13 lks. dist. Raised a mound of stones 2 ft. base $1\frac{1}{2}$ ft. high W. of cor.	
49.50	Bottom of ravine course W.	-80
51.50	Top of spur brs. W.	x20
52.75	Bottom of ravine course W. and valley bet. Mts.	-60
53.50	Top of N. bluff of ravine, edge of mesa, inclined to S. through low brush.	x40
58.50	Base of Mt. in XXX bottom of arroyo, 20 lks. wide, 5 ft. deep, course E. of S. Ascend steep rocky slope.	x50
71.00	Top of mountain 50 lks. E. of W. end. Descend N. slope through scattering cedars.	x300
78.00	Top and junction of spur brs. NW. Descend steep slope facing NE.	Va. $15^\circ 10'$ E. -75
80.00	Set stone 20 x 12 x 6 ins. 14 ins. in ground bounded by stones for cor. of secs. 7, 8, 17 and 18, cut 4 notches on S. edges, 5 notches on E. edge, T 4 N on NE. face, R 12 W on SE. face, from which a Cedar 10 in. dia. brs. S. 74° W. 44 lks. dist. marked T. 4 N. R. 12 W. S. 18 B. T. Cedar 5 in. dia. brs. S. $18\frac{1}{2}^\circ$ E. 31 lks. dist. marked T. 4 N., R. 12 W. S. 17 B. T. Land mountainous, soil sandy, loamy, stony, 2nd and 4th rates. Timber a few manzanita and cedars. Mountainous land 80 chs.	Va. 14° E.

40.00	East on random line bet. secs. 8 and 17. Set temp. $\frac{1}{4}$ sec. cor.	
79.80	Int. N. & S. line 19 lks. S. of cor. of secs. 8, 9, 16, 17. Oct. 8, 1896.	
Thence I run		
S. $89^\circ 52'$ W. on true line bet. secs. 8 and 17.		
0.10	Arroyo 5 lks. wide course NE. Ascend gentle rolling slope through close greasewood.	
11.00	Ridge brs. NE. & SW.	x50
14.70	Bottom of ravine course N.	-10
17.75	N. side of top of hillock	x20
21.50	Arroyo wash 12 lks. wide course NE. Ascend mountain along spur brs. E.	-15

39.90	Set stone 30 x 12 x 10 in. in mound of stone and earth to bedrock on N.E. shoulder of Mt. spur for $\frac{1}{4}$ sec. cor., cut $\frac{1}{4}$ on N. face, raised mound of stones 2 ft. base $1\frac{1}{2}$ ft. high N. of cor. along bench in spur.	x80
45.00	Foot of steep slope, soon leave brush.	
59.50	Top of mountain about 1.00 chs. NE. of peak, from which ridge runs NE. to other summits.	x150
	Va. 15° E.	
77.80	Descend along N. side of mountain, through scattering cedars. Deep ravine steeply descending NW.	+200
	Ascend steep slope.	
79.62	A cedar 10 in. dia. on line.	
79.80	The cor. to secs. 7, 8, 17 and 18. Land mountainous and rolling slopes. Soil, light loam and stony, 2nd and 3rd rates. Timber, scattering cedars, occasionally an oak scrub. Mountainous and brushy land 79.80 chs. West on random line bet. secs. 7 and 18.	
40.00	Set temp. $\frac{1}{4}$ sec. cor.	
79.70	Int. W. B. of Tp. 343 lks. S. 2° 03' E. of cor. secs. 12 and 13, T.4 N. R. 13 W., a new post in an old mound with remains of old stake on the NW. bank of gully described by the Surveyor General. The new post is marked for cor. to secs. 7, 12, 13 and 18, also S.G.F.R. for bdy. of San Gabriel Forest Reservations. The falling exceeding the prescribed limits for closing my line on the old cor., I obliterate the marks for cor. of secs. 7 and 18 and at said point of intersection - I set a stone 26 x 20 x 8 ins. in a mound of stones and the ground to bedrock on E. slope of a low spur, near its N. point. for closing cor. of secs. 7 and 18, cut C.C. 6 grooves, T. 4 N., R. 12 W. on E., 2 grooves on N., 4 grooves on S. faces, raised a mound of stones $2\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high E. of cor, Thence I run East on true line bet. secs. 7 and 18. Over foothills and through dense brush with scattering scrub oak and manzanita.	
0.50	Bottom of gully brs. NW.	-10
8.75	Top of rocky spur brs. N.	x50
11.75	Bottom of ravine course N.	-30
14.75	Top of spur brs. NW.	x30
19.00	Bottom of ravine course N. of W.	-20
21.25	Top of spur brs. N. of W.	x40
21.40	Trail brs. S. of E. & N. of W.	
22.40	Bottom of ravine course NW.	+25
24.25	Top of spur brs. S.	x40
30.60	Bottom of ravine course W. of S.	-10
33.75	About 1.00 chs. S. of peak on side of round hill.	x40
38.50	Foot of hill, enter wash 20 lks. wide brs. S. of W.	-30
39.70	Set a post 4 ft. long and 3 ins. sq. with charred point and a pint of charcoal, 20 ins. in ground, in valley for $\frac{1}{4}$ sec. cor. Marked $\frac{1}{4}$ S. on N. face; dug pits 18 x 18 x 12 ins. E. & W. of post, 3 ft. dist., raised mound of stones around post.	
49.75	Top of spur brs. N. of W.	x40
52.00	" " " " W.	
59.29	" " " " NW.	x50
63.00	" " long spur brs. SW.	x60
74.40	" " same " " W.S.W. curving to W. and SW.	x100
78.00	Top of shoulder of spur N. end of Mt. ridge. Descend.	x50
79.70	The cor. secs. 7, 8, 17 and 18. Land mountainous, soil loam and stony, 2nd and 3rd rates. Timber scattering oak scrub, cedar and manzanita. Greasewood brush. Mountainous land, dense brush 79.70 chs.	

Oct. 10, 1896.

North 0° 03' W. bet. secs. 7 and 8.
 6.00 Descend steep stony sides of mountain, few trees, very little brush.
 Bottom of steep ravine course NW. -100
 Ascend precipitous bluff.
 6.80 Top of ridge or spur brs. NW. x20
 7.10 Greely course N. of W. -10
 9.10 Top of spur brs. NW. x20
 Enter considerable brush. -80
 16.50 Foot of mountains, enter valley brs. E. & W.
 20.70 Arroyo 15 lks. wide 3 ft. deep course N. of W.
 24.50 Enter wash 20 lks. wide course N. of W. 400 ft. below- -20
 top of mountains S.
 26.75 Arroyo 15 lks. wide 3 ft. deep course S. of W.
 Ascend foot hill, leave brush.
 36.30 Top of E. end of long hill, brs. SW. connects Mts. to the NE. x100
 39.90 Bottom of steep ravine brs. NW. -40
 40.00 Set stone 20 x 7x4 ins. 14 ins. in the ground on N. bank of the
 gully for $\frac{1}{4}$ sec. cor., cut $\frac{1}{4}$ on W. face, raised mound of stones 2 ft.
 base $1\frac{1}{2}$ ft. high W. of cor.
 42.20 Top of steep mountain ridge, descending to NW. x40
 45.40 Bottom of ravine course S. of W. -70
 53.50 Top of long spur brs. W. S. W. x100
 57.20 Bottom of gully in side of Mt. course S.S.W. -30
 59.20 Cross rock cliff brs. E. & W. +50
 63.80 Top of spur brs. S. of W. x100
 67.60 Bottom of ravine course S. of W. -30
 74.00 Top of steep slope, edge of mesa sloping SW.
 Enter small brush and scattering cedars. x30
 80.00 Set stone 23 x 16 x 5 ins. 16 ins. in ground on W. slope of Mountain
 for cor. of secs. 5, 6, 7 and 8, cut 5 notches on each S. & E. edges
 and 4 N. 12 W. on top end; from which a
 Cedar 18 in. dia. brs. N. 26 $\frac{3}{4}$ ° E. 62 lks. dist.
 Raised a mound of stones 2 ft. base $1\frac{1}{2}$ ft. high W. of cor.
 Va. 15° E.
 Land mountainous and level, soil loam and stony & sandy,
 2nd, 3rd and 4th rates. Timber cedar.
 Mountainous land 70.00 chs.

Oct. 9, 1896

North 89° 52' E. on a random line bet. secs. 5 and 8.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.04 Int. N. & S. line 19 lks. S. of cor. of secs. 4, 5, 9 and 8.
 Thence I run
 S. 89° 44' W. on true line bet. secs. 5 and 8.
 Over mesa sloping W. through open brush and cedar stumps.
 10.75 Edge of mesa, thence descend. -50
 13.50 Foot of bluff, bottom of Aliso Canon, course NNW. with scattering
 cottonwood and sycamore.
 14.25 Irrigating ditch course NNW. (Geo. Blum's improvement).
 14.70 Road Tejuanga Mines to Acton brs. NNW. to SSE.
 17.50 Enter wash and boulders 60 lks. wide course W. of N. -15
 18.95 Top of bank enter brush, ascend. x10
 33.00 Top of steep stony Mt. spur, brs. NE. x200
 In oak and cedar opening, wood still standing.
 38.00 Bottom of ravine course NNW. -80
 Ascend steep slope.
 40.02 Set stone 18 x 12 x 8 ins. in mound of stones and earth on bench of
 bed rock near top of slope, for $\frac{1}{4}$ sec. cor. cut I on N. face, raised
 a mound of stones 2 ft. base $1\frac{1}{2}$ ft. high N. of cor.

41.50	House of Geo. Blum in Sec. 5 brs. N. 12 3/4° E. about 40 chs. dist.	
43.85	Top of flat spur brs. N. from which all wood has been removed.	-40
49.95	Bottom of ravine course N.	+30
50.95	Top of spur brs. N.	-25
51.45	Bottom of ravine.	x20
53.35	Top of spur brs. N.	-40
63.50	Bottom of ravine course NE.	x20
65.45	Top of spur brs. S.	-10
	Bottom of same ravine course SE. curves to E. & NE.	
	Ascend steep slope of Mt., little brush and timber.	
75.00	Brow E. slope of Mt. brs. N. & S. W.	x130
76.75	Summit in lines about 2.00 chs. S. of peak with oak and cedar.	x25
80.04	The cor. to secs. 5, 6, 7 and 8.	
	Land mountainous and plains, soil loam and stony, 2nd & 3rd rate.	
	Timber, cedar and oak opening, a very little small sycamore and cottonwood growth in the Alise.	
	Mountainous land 70.00 chs.	

Oct. 9, 1896.

40.00	West on a random line bet. secs. 6 and 7.	
80.80	Set temp. $\frac{1}{4}$ sec. cor.	
	Int. W. B. of Tp. 130 lks. S. 1° 20' E. of cor. to secs. 1 and 12, in T. 4 N., R. 13 W. a new post marked for cor. to secs. 1, 6, 7 and 12, also with S.G.F.R. for bdy. of San Gabriel Forest Reservation, set with the old post in a mound of stones and earth with a mound of stones W. of cor., which old post and former mound of stones has heretofore been known and accepted as the cor. of secs. 1 and 6, described by the Surveyor General.	
	As the falling exceeds the prescribed limits upon which to close my line, I remove the marks for cors. secs. 6 and 7, from old cor. and at said point on intersection, set a stone 20 x 8 x 8 ins. 14 ins. in ground bounded by stones, for closing cor. of secs. 6 and 7, cut C.C. 6 grooves and T. 4 N., R. 12 W. on E. face, 5 grooves on S. face, 1 groove on N. face, raised a mound of stones 3 ft. base 2 ft. high E. of cor., from which the house of I. S. Houseer brs. N. 5½° E. 26.75 chs. dist.	
	Thence I run	
	East on true line bet. secs. 6 and 7. Va. 13° 45' E.	
	Descend along stony N. side of Mt. through scattering scrub oak, and cedar stumps.	
10.40	Top of sloping ridge, brs. NE.	x50
	Descend precipitous bluff.	
11.20	Bottom of ravine course NE.	-40
12.90	Top of spur brs. NE.	x30
16.00	Bottom of ravine course NW.	-50
16.90	Point of spur brs. N.	x10
18.30	Bottom of ravine course N.	-15
18.90	Point of spur brs. N.	x10
19.90	Bottom of ravine course N.	-10
20.40	Point of spur brs. W. of N.	x10
21.90	Bottom of ravine course NW.	-10
26.90	Top of flat spur brs. NW.	x60
34.20	Bottom of ravine course W. of N.	-20
36.00	Point of long spur brs. SW.	x30
	Over rolling ground inclined to W.	
40.80	Set stone 18 x 10 x 4 ins. 12 ins. inground for $\frac{1}{4}$ sec. cor. cut $\frac{1}{4}$ on N. face, raised mound of stones 2 ft. base 1½ ft. high N. of cor.	
52.90	Top of spur brs. W. of S.	x50
60.50	Bottom of last named ravine course SW.	-40
65.50	Point of spur brs. N. of W.	x30
69.20	Bottom of last named ravine course N. of W.	-50
	Thence along same.	

72.70	Leave ravine from E. N. E.	x20
	Ascend steep side of Mt.	
80.80	The cor. of secs. 5, 6, 7 and 8.	-150
	Land mountainous, soil lean and stony, 2nd and 3rd rate.	
	Timber, scrubby oak and branchy cedar.	
	The latter has been largely removed.	
	Mountainous land 80.80 chs.	
	North 0° 03' W. on random line bet. secs. 5 and 6.	
40.00	Set temp. $\frac{1}{4}$ sec. cor.	
80.10	Int. the cor. to secs. 5, 6, 31 and 32 in N.B. of Tp. a marked post in a mound of earth with pits lately removed, also marked S.G.F.R. for bdy. of San Gabriel Forest Reservation, which cor. has been known and accepted for some years as that described by the Surveyor General.	
	Thence I run	
	S. 0° 03' E. on true line bet. secs. 5 and 6.	
	Over gentle ascent of prairie and along the improvements of the Belknap Bros.	
17.75	Enter arroyo 10 lks. wide 2 ft. deep course NW.	
20.25	Cross a trail NW. & SE. from Aliso Canon to Acton.	
20.70	Enter clearing brs. SE. & SW.	
22.00	Wagon trail brs. NW. & SE.	
29.50	Leave clearing brs. E. & W.	x50
	Ascend mountain through open brush and cedars.	
39.60	Bottom of ravine 6 ft. deep course NE.	
40.10	Set stone 18 x 18 x 4 ins. 12 ins. in the ground on E. bank of the arroyo for $\frac{1}{4}$ sec. cor. out $\frac{1}{4}$ on W. face, raised a mound of stones 2 ft. base 1 $\frac{1}{2}$ ft. high W. of cor. from which a Cedar 4 ins. dia. brs. E. 5 lks. dist. marked $\frac{1}{4}$ S. B. T.	x23
	No other trees within limits,	
	Ascend stony side of mountain.	
40.50	Bottom of junction of ravine 8 ft. deep from SE. & E. of S. course W. of N.	
42.30	Bottom of ravine course NE., thence in same.	
43.20	Leave same from W. of S.	x100
48.70	Re enter same ravine course W. of N.	
	Thence up same	
52.50	Leave ravine course N.	x50
67.50	Bottom of rocky gulch 100 lks. wide and 20 ft. deep brs. NE.	
75.00	Top of mountain brs. W. N. W. & E. S. E.	x100
	Descend stony slope of Mt.	
80.10	The cor. to secs. 5, 6, 7 and 8.	-50
	Land mountainous and prairie.	
	Soil lean and stony 2nd and 4th rates.	
	Timber branching cedar. Mountainous land 50.00 chs.	

	From the cor. of secs. 13, 14, 23 and 24 in the auxiliary base through the middle of Tp. I run	
	S. 0° 01' E. on true line bet. secs. 23 and 24.	
	Ascend low hill through dense brush, oak and greasewood.	
5.00	Top of hill on spur brs. NW.	x50
	Thence over rolling ground.	
12.60	Arroyo in valley course N. of W.	-15
14.90	Read Tejunga Mines to Acton brs. E. & W.	
	Thence ascend over W. side of hill.	
17.50	Rocky ridge of high bluff of Aliso Canon brs. N. of W. & S. of E. Descend.	x50
20.00	Bench of low bank.	
21.60	Enter flood channel of Aliso Creek 4 ft. deep course W. Thence through dense willows and tangle.	
22.60	Arroyo with water, course W.	

23.10 S. bank of channel 10 ft. high. Leave willows and enter brush
and scattering oak and scrub.

32.70 Bottom of arroyo 20 lks. wide and 3 ft. deep course NW.

39.00 Foot of steep mountains. x60

40.00 Set stones 15 x 10 x 5 ins. 10 ins. in ground for $\frac{1}{4}$ sec. cor. out $\frac{1}{4}$ on
W. face, raised a mound of stones 2 ft. base $1\frac{1}{2}$ ft. high W. of cor.

46.00 Top of spur brs. N. Enter scattering pines. x100

50.60 Bottom of rocky ravine course E. of N. -10

Ascend steep slope and sand of disintegrated rock.

57.50 Spur of Mt. Gleason brs. NE. x200

Thence descend easy slope along E. side of stony Mt.

70.25 Cut a X in line on E. point of rock ledge 12 ft. high on ridge
descending E., raised mound of stones at W. side of X.

75.70 Bottom of steep ravine course N. of E. -50

77.50 Ridge E. & W. x30

78.80 Bottom of gully descending N. of E. -30

Ascend to brow of stony spur sloping NE.

80.00 Set stone 20 x 6 x 6 in. in a mound of stone for x40
cor. of secs. 23, 24, and 26, cut 2 notches on S. edges,
1 notch on E. T. 4 N. on N. E. face and R. 12 W. on SE.
raised mound of stones 3 ft. base, 2 ft. high W. of cor.
Land mountainous, soil loam, gravelly and stony, 2nd & 4th rates.
Timber a few knotty pines. Mountainous land 80.00 chs.
Oct. 14, 1896.

East on random line bet. secs. 24 and 25.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.70 Int. E. B. of Tp. 15 lks. S. of cor. to secs. ^{25 30} 13, 18, 24 and 19,
already described. Oct. 14, 1896.

Thence I run

S. 89° 54' W. on true line bet. secs. 24 and 25.

Over foot hills sloping S. through dense greasewood brush.

8.75 Top of spur brs. SW. x40

14.75 Bottom of Alise Canon brs. NW. -60

15.80 Read Tejuanga Mines to Acton brs. E. S. E. & N. N. W.

18.20 Bottom dry bed of creek 10 lks. wide 4 ft. deep course NW.

29.75 Enter arroyo 30 lks. wide 6 ft. deep course N. at x25
foot of mountain.

Leave bottom of canon brs. NW.

Ascend through dense brush and oak scrub.

38.75 Top of spur brs. E.N.E. in a field of manzanitas. x125

39.85 Set stone 24 x 16 x 5 ins. in mound of stones and ground to bed rock
at W. brow of ridge, for $\frac{1}{4}$ sec. cor., but $\frac{1}{4}$ on N. face and raised
mound of stones N. of cor., from which
The middle stem of a triple white oak 12 ins. in dia. brs. S. 73 $\frac{1}{2}$ ° W.
107 lks. dist. marked $\frac{1}{4}$ S. B. T.
A red oak 5 ins. dia. brs. N. 77° E. 47 lks. dist. marked $\frac{1}{4}$ S. B. T.
Descend, enter opening of larger oaks and pines.

46.70 At N. side of large rock on end. x80

48.40 Bottom of rocky canon or cove in N. side of mountain, -40
course E. of N. Ascend.

56.50 Top of rocky spur brs. NNE. x200

Descend steep stony slopes and a precipitous rock bluff.

68.50 Bottom of gerge 25 lks. wide course from SW. to NNE. -250

Ascend precipitous rock bluff to

74.00 Brow of slope of mountain top. x100

79.90 The cor. to secs. 23, 24, 25 and 26. x50
Land mountainous, soil loam and stony, 2nd & 4th rates.
Timber pine, oak and manzanita.
Mountainous land 79.70 chs.
Oct. 15, 1896.

From the cor. to secs. 14, 15, 22 and 23 in the Auxiliary base through the middle of the Tp. already described, I run S. 0° 01' E. on true line bet. secs. 22 and 23.
Over valley in open brush.

0.17	Cross wire fence, brs. E. & W. & enter enclosure J. H. Jones.	
1.10	Bottom of ravine course E.	-25
3.10	Top of low spur brs. E.	x20
4.10	Bottom of ravine brs. E.N.E.	-20
5.00	Enter level land.	x10
8.85	Arroyo 10 lks. wide 2 ft. deep course NW.	
11.50	Arroyo 5 lks. wide 2 ft. deep course NNW.	
	Ascend gentle slope, dense brush.	
20.00	Foot of mountain brs. NW.	x30
32.50	Top of rocky ridge of low mountain brs. NW. & SE.	-70
	Raised a mound of stones in line.	
	Descend stone slope in open brush.	
40.00	Cut X and $\frac{1}{4}$ S. on top of a boulder 8 x 6 x 5 ft. out of ground on E. bank of arroyo course NNW., for $\frac{1}{4}$ sec. cor., raised mound of stones 3 ft. base 2 ft. high SE. of cor.	-100
	As the country beyond is rough mountains and no claims are initiated S. of this $\frac{1}{4}$ sec. line, I discontinue this line.	
	Land level and hilly, soil sandy loam and stony 2nd and 3rd rates.	
	No timber. Mountainous land 40.00 chs.	

Oct. 16, 1896.

From the cor. to secs. 15, 16, 21 and 22 in the Auxiliary base through the Tp. already described, I run S. 0° 02' E. on true line bet. secs. 21 and 22.
Ascend mountain through open brush of rank growth.

4.40	Top of mountain ridge or spur brs. NE.	x100
11.50	Bottom of ravine in E. side of mountain, course N. of E.	-100
	Ascend.	
20.00	Top of spur brs. E.	x150
	Set a manzanita stake marked 1/16 in a mound of stones on line. Descend.	
23.80	Bottom of ravine course E.	-50
37.60	Top of spur brs. E. Descend.	x100
40.00	Set a stone 18 x 12 x 4 ins. 12 ins. in ground on the S. slope of ridge of spur for $\frac{1}{4}$ sec. cor., cut $\frac{1}{4}$ on W. face, raised a mound of stones 3 ft. base 2 ft. high W. of cor.	
	As the country further on is rough and brushy and no land claims (except water rights held in Jones' or Bear Canon) are initiated S. of this $\frac{1}{4}$ sec. line, I discontinue this line.	
	Land mountainous, soil loam, 2nd rate. No timber.	
	Mountainous land 40.00 chs.	

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G. B. J.

Oct. 16, 1896
C. A. Ensign

Section 19, T. 4 N., R. 12 W., S. B. M.

Supplementary to the subdivision of the N. $\frac{1}{2}$ of the Tp.

June 8, 1900.

I begin at the established cor. of secs. 17, 18, 19 and 20 which is an elder post 3 ins. sq. standing 2 ft. above ground on the N. bank of an arroyo and is marked and witness as described by the Surveyor General. Placing my transit over this cor. I sight a picket set over the $\frac{1}{4}$ sec. cor. bet. secs. 18 and 19 as located and planted in the parallel of latitude run by me, and established for the Auxiliary base of

The N. $\frac{1}{2}$ of the Tp. surveys 1896; thence I turn off the angle $90^{\circ} 3'$ to the left by the Verniers, for the bearing S. $0^{\circ} 03'$ E. the course required bet. secs. 19 and 20.
The Magnetic Needle of this instrument shows,

Var. $15^{\circ} 10'$ E.

NOTE:

The needle of the Heller and Brightly transit used in 1896 showed a Var. of $14^{\circ} 15'$ E. This great difference of declinations, heretofore known to me, appears to be in the constitutions of the needles.

June 9, 1900

	S. $0^{\circ} 3'$ E. bet. secs. 19 and 20.	
.07	Over bank 5 ft. deep into wash of Arroyo course W.	
.57	Top of bluff bank 5 ft. high, across the wash; enter brush on ascending ground.	
3.00	Foot of Mt. spur pointing W.	+20
	Ascend steep slope even ground; measured 4.00 chs.	
	Slope 22° = Hor. dist. + 3.71 chs. (= 6.71)	
6.75	Ridge of spur brg. E. & W.	+100
	Descend broken slopes in open brush.	
12.20	V. Bottom of arroyo crs. W. S. W. Ascend.	-100
15.00	Top of W. end low spur or headland formed by water courses. Descend.	+30
17.00	V. bottom of arroyo crs. W. N. W. 20' deep.	
19.80	V. " " " " NW. 25' "	
27.00	V. " " " " NW. 25' "	
28.50	Top of NW. point of mesa.	+25
29.10	V. bottom of arroyo crs. NW. 10 ft. deep.	
30.60	V. bottom of arroyo crs. NW. 15 ft. deep.	
	Ascend slope of bluff.	
32.30	Top of bluff brg. NNW. & SSE.	+20
	Ascend Mt. thro heavy brush.	
35.40	Stony ridge of secondary spur descending N.W.	+70
36.10	V. bottom of arroyo descending swiftly to the NW.	-25
	Continue ascent of Mt.	
40.00	Set a granite stone 20 x 8 x 5 ins. 15 ins. in the ground on N. slope of the Mt. for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; rd sed a mound of stones $2\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high against E. side of cor. The $\frac{1}{4}$ sec. cor. bet. secs. 18 and 19, visible from this cor. brs. N. $45^{\circ} 9'$ W. (Var. of needle is 16° E. change caused by unknown local or temp. influences).	
	Continue ascend of Mt. over even surface.	
5.70	Chs. on slope $28\frac{1}{2}^{\circ}$ = Hor. dist. 5.01 chs. (=45.01)	
46.75	Top of N. slope with slight ridge which soon descends to the W.	+390
52.40	At E. end of reef of cleft rocks 4' high descending W., raised a mound of stones bet. 2 of the large rocks.	
55.20	Rocky point sloping W.	-20
58.40	Bottom of rocky gorge with precipitous descent to the W.	
	30 lks. W.	-50
61.55	Cross point of ridge sloping W.	-30
66.00	Shoulder of a stony ridge sloping W.	-20
69.00	Channel sloping W.	
69.70	" " "	-70
70.75	Stony ridge sloping W.	+15
	Enter scattering oaks and pines.	
73.00	Top of NW. point bet. arroyos	-50

73.40 Into Arroyo 6 lks. wide with springs crs. W. of N.
soon descending swiftly. -5
Ascend steep slope of Mt. brs. N.NW. thru thickets of
oaks and brush.

77.00 Top of ascent and along E. face of Mt. -100

80.00 Set a granite stone 18 x 8 x 8 ins. 12 ins. in ground bounded by
stones the closing angle of steep Mts. face E. & N. about 1.50 chs.
SW. of and 70 ft. above bottom of gulch, running to the N.NW., for
to secs. 19, 20, 29 and 30, marked with 2 notches on S. and 5 notches
on E. edges and 4/12 on top end and raised mound of stones 2 ft.
base 1 1/2 ft. high at W. side of cor., from which a
White oak 20 ins. dia. brs. S. 87° 47' E. 74 lks. dist.
marked T. 4 N., R. 12 W. S. 29 B. T.
White oak 10 ins. dia. brs. S. 6° 11' W. 62 lks. dist.
marked T. 4 N., R. 12 W. S. 30 B. T.
No other trees available.
Land broken and mountainous.
Soil, mostly rocky and hard-pan; 4th rate.
Timber, a few oak and pine trees at SE. cor. of the sec., mostly on
sec. 20. Brushy and mountainous land 79.50 chs.

West bet. secs. 19 and 30.
Ascend steep side of Mt. facing E. thro heavy brush; over even slope;
5.00 chs. slope 28° = hor. dist. +4.41 chs. +59
5.00 Top of narrow rock ridge brs. SE. & N.NW. at SE. base of hill
on long spur running to NW. x155
Descend broken slopes in open brush on SW. side of Mt.

9.50 Rock channel descending SW. -75
10.50 Rock ridge descending SW. x30
13.50 Descend steep slopes - measure
2.00 chs. --- slope 26° = 1.80
2.65 chs. " " 33° = 1.68
hor. dist. = + 3.48 = 52.

17.50 To bench on ridge descending to the W.SW. -160
20.20 Leave same and descend.
3.00 chs. slope 31 1/2° = 2.55
2.50 " " 23 1/2° = 2.30

Hor. dist. +4.85 chs.

25.50 Cross old "trail" to Mt. Gleason Mines" lying E. & W. along the side of
the spur, at a short dist. S. of a sharp turn of the trail to the E.

26.50 Descend along a ridge in thick brush; 4.00 chs. slope 22 1/2° =
3.70 chs. hor. dist. XXX + 3.70 chs. (+4.05)

34.25 Brink of stony bluff 20 ft. high, enter Canon of Arrastra creek
brs. N.NW.

34.50 Into creek and canon with scattering sycamores and cottonwoods -100
34.90 Cross dry water course W. bank 2' deep.
35.50 Wood road crs. N. & S.
35.90 1 ft. S. of cottonwood 24 in. dia.
36.10 Foot of Mt. spur leave wash ascend thro brush + 3.00 chs. slope
28 1/2° = hor. dist. + 2.60 chs.) = 38.73

40.00 1/4 sec. cor. falls on unstable slope.
40.35 Top of narrow reef of white rock on a short spur sloping N. +90
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40.40 Set a stone 25 x 8 x 4 ins. 20 ins. in a mound of stone against the W. side of the rock reef for witness to $\frac{1}{4}$ sec. cor.; marked W.O. $\frac{1}{4}$ on N. face; raised a mound of stones 2 ft. base $1\frac{1}{2}$ ft. high at E. side. Pits impracticable.
From this witness the $\frac{1}{4}$ sec. cor. bet. secs. 18 and 19 brs.
N. 0° 3' E. Descend gentle slope.

44.00 Bottom of valley formed by sliding of earth on side of Mt. in wet seasons. -25
Ascend steep brushy slope.

47.05 Ridge of secondary spur pointing N.NE. +105
Descending steep slope in heavy brush at 47.40 chs. run slope
+1.75 chs. slope 19° = 1.65 chs.
+2.00 " " 29° = 1.75 "
Hor. dist. = 3.40 " (+50)

51.30 V. bottom of arroyo bet. spurs crs. N. N. E. -120
Ascend over warped surfaces of the Mt. in open brush.

66.80 Kelly's (New) "trail" to Mt. Gleason "Mines" ascend to S.E. then to S., and descending to NW. and W. around base of a hill on this long Mt. spur coming from the SE.
Enter burnt brush.

67.00 Summit of this sec. line at NE. base of the hill. +400
Descend gentle slopes to the NW.

70.50 Into head of branch gulch course W.

75.00 Re-enter green (unburnt)

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78.26 Int. W.B. of the Tp. at 4.24 chs. S. 0° 20' W. of cor. to secs. 24 and 25 just established. -35
Set a stone 27 x 8 x 6 ins. 20 ins. in the ground, bounded by stones for closing cor. to secs. 19 and 30 marked with 2 hacks on the S. and 4 hacks on the N. and 6 hacks and C. C. on the E. faces raised mound of stones 2 ft. base and $1\frac{1}{2}$ ft. high at W. side.
Pits impracticable.
Land mountainous and brushy.
Soil mostly stony and poor, 4th rate.
Brushy and mountainous lines 78.26 chs.

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June 14, 1900
C. A. Ensign