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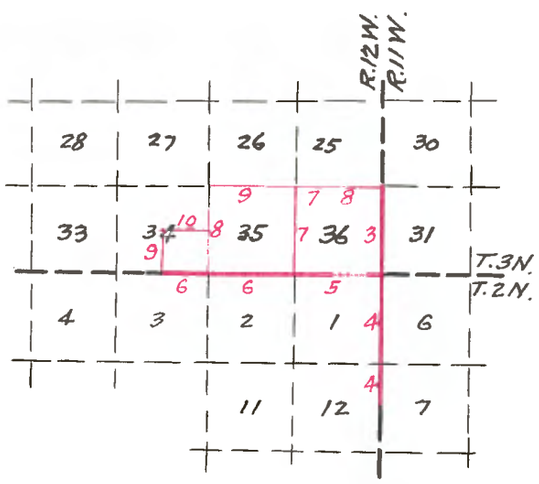

Resurvey of E.Bdy.of T.3 N., R. 12 W.,S.B.M.

Survey commenced November 6, 1903, and executed with a W.and L.E.Gurley light mountain transit, with solar attachment. The horizontal limb is provided with two double verniers, placed opposite to each other, reading to single minutes of arc; which is also the least count of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at San Francisco, found correct and was approved by the official examiner May 30th, 1901.

I examine the adjustment of the transit and correct the level and collimation errors and then to test the solar apparatus by comparing its indications, resulting from solar observation with an observation on Polaris, I proceed as follows:

At my camp near the center of Sec. 35, latitude 34°18'N.longitude 118°06'W. I set off 34°18' on lat.arc,15°50' S. on the decl.arc,and at 3h,0m, P.M.,l.m.t.,determine with the solar a meridian and mark a point thereof on a plug driven firmly in the ground 5 chs.W.of station.

At 8h,0m,P.M.,l.m.t.,I observe Polaris and mark the direction thus determined on a plug set firmly in the ground 5 chs.W.of station.

Astron.time of observation,Nov.6,			8h.00m.
Equivalent to time of Nov.5			32 00
Astron.time U.C.Polaris Nov. 1,	10h,44.3m.		
Reduction to Nov. 5	15 7		
Astron.time U.C.Polaris,Nov. 5		10	28.6
Hour angle of Polaris at observation,		21	31.4
Subtract from,		23	56.1
Time argument,		2	24.7
Azimuth of Polaris,at observation,		0°	52'E.

Nov.7-at 7h.45m.,A.M.,l.m.t.,I lay off the azimuth of Polaris 0°52' to the W.and find that the meridian thus established coincides with the meridian established yesterday with the solar.
The magnetic bearing of the true meridian at 8h.0m.,A.M.is N 15°W.
The angle thus determined gives the magnetic declination 15°E.

Resurvey of E. bdy.of Twps.2 & 3 N., R. 12 W.

Being unable to find the cor.to Townships 2 and 3 N,Ranges 11 and 12 W, I proceed to the summit of the mountain between the water sheds of the Tujunga and San Gabriel Rivers, where I am informed is the ¼ sec, cor. between secs. 7 and 12,T 2 N.,Rgs.11 and 12 W. The cor.has evidently disappeared,but I find the blazed line of the original survey,the stump of the pine bearing tree and the fallen trunk of the oak bearing tree.

From the stump of the Pine tree which has been nearly consumed by fire, I set a temp.cor. 2.48 chs.N. and then I find that the oak bears N.25½° 1.60 chs.W.instead of N. 25½° 1.58 chs.E.,as Deputy Norway noted it. The old blaze which has faced the temp.cor.is still discernible but the surface is so badly decayed, that I cannot make out any marks but if I should re-establish the cor.S.25½°W.it would throw it off the blazed line,I therefore conclude that there is an error in the departure letter of the bearing but as an additional precaution I shall run a short distance south along the blazed line,to see if I find the objects noted by Deputy Norway.

2.48 Stump of Norway pine where summit of mountain commences to descend toward N.W.

5.50 Trail on summit of mountain, course N.E. and S.W.

16.00 Cross same trail, course N.W. and S.E.

20.00 Summit of bald mountain, course E. and W.
The line here begins to descend into a rough canyon and as the objects have checked so closely,I do not deem it necessary to retrace it further.

I return to temp.¼ sec.cor.,and in its place I set a lilac post 3 ft. long,4 ins.sq.,24 ins.in the ground for ¼ sec.cor.bet.secs. 7 and 12, T.2 N.,Ranges 11 and 12 W.,marked 1-4 S 12 on W.face,and 7 on E.face, from which a live oak 24 ins.in diam.bears N 20°W 48 lks.dist.marked 1-4 S 12 B T dig pits 18x18x12 ins.,N.and S.of post,3 ft.dist.raise mound of earth 3½ ft.base,1½ ft.high W.of cor.

Nov. 7, 1903;at 2h,0.M.P.M.,l.m.t.,I set off 34°17'on lat.arc,16°07'S. on decl.arc.and determine a meridian with the solar at the ¼ sec.cor. bet.secs. 7 and 12.
Thence I run
North on random line bet.secs. 7 & 12.

40.00 Cor.called for cannot be found. Set temp.sec.cor. and run-
North on random line bet. secs. 1 and 6.

40.00 Cor. called for cannot be found
Set temp. ¼ sec. cor.

80.00 Cor. to Tps. 2 and 3 N, Rs.11 and 12 W. cannot be found. Set temp. cor. and run-

North on random line bet. secs. 31 and 36.

40.00 Cor.called for cannot be found.
Set temp. ¼ cor.

80.00 A point 30 lks.E.of old cor.to secs. 25,30,31 and 36,an old mound of rocks on steep side of hill facing S. I found no trace of post, but having found the objects noted by Deputy Norway so closely agreeing with my survey,I have no hesitation in identifying this as the original corner. Deputy Norway set his cor.on steep side facing S. This side hill is very steep and does not cover much area and is the only one answering the description for some distance in either direction.

I re-establish this cor.by rebuilding the mound of rocks 3½ ft.base by 2½ ft.high,and on E. side of mound,I set a rock 18x10x7 ins,12 ins. in ground for cor.to secs. 25,30,31 and 36,marked with 5 notches on N. and 1 notch on S.edges.

Thence I run -

S. 0°5'E on true line bet.secs. 31 and 36

Descend through brush.

1.00 Foot of steep side hill. Descend more gradually

12.00 Tujunga 100 ft.below sec.cor.,100 lks.wide.
Water in pools, course W.

Note: Deputy Norway made the dist. 13.00 chs.
Ascend dry bed of wash in Wildcat canyon,mostly on W. side.

40.00 An oak tree 6 ins.in diam.for ¼ sec.cor.,I mark 1-4 S 36 on W.side and 31 on E.side,from which -
An oak 6 ins.in diam.bears N 40°W 10 lks.dist.,marked 1-4 S 36 B T;raise mound of rocks around tree.

60.00 Leave canyon and ascend spur which bears N.and S.

75.50 Leave top of spur; descend toward head of small canyon.

80.00 Set rock 14x10x8 ins. 9 ins.in ground for cor.
T's 2 and 3 N.,Rs.11 and 12 W.,marked with 6 notches on N.S.E. and W.edges;raise a mound of rocks 3½ ft.base,1½ ft.high S.of cor. Pits impracticable.

This cor. is in low depression at head of small canyon,course N.W.
Land, mountainous.
Soil,rocky.
Scattering oak and sycamore timber.
Mountainous land through dense undergrowth 80.00 chs.

Nov.8,1903;at this cor.I set off 16°24'S.on decl.arc and 11 h 44m, l.m.t.,observe the sun on the meridian;the resulting lat.is 34°18'.
S. 0°5'E on true line bet.secs. 1 and 6, T 2 N,Rs.11 and 12 W.
Ascend through brush.

5.50 Top of same spur which now ascends toward S.E.
Descend along S.W. side.

20.00 Ravine in Wildcat canyon,200 ft.below top of spur 100 lks.wide, course N.W. Begin ascent of high mountain along N.E.side of spur.

40.00 Set a rock 18x10x8 ins,12 ins.in ground for ¼ sec.cor.marked 1-4 on W.face, from which-

A dead red fir 3½ ft.in diam.bears N 52½°W 175 lks.dist.,raise mound of rocks 3 ft.base, 2 ft.high W.of cor.

55.00 Top of spur 1000 ft.above Tujunga Creek,descending E. Descend

59.50 Gulch branch of Tujunga,course N.E. Ascend abruptly through dense brush.

Note: This is the exact distance at which Deputy Norway crosses this gulch.

65.50 Trail on top of spur descending N.W. The cor.to secs. 1-6-7 and 12, will fall on land too steep to set permanent cor. Therefore at this point I set a rock 18x12x8 ins,12 ins.in ground for witness corner to cor.to secs. 1-6,7 and 12,marked W.C.on N.E.face,with 1 notch on N.and 5 notches on S.edges;raise a mound of rocks 3 ft.base,2 ft.high W.of cor. Pits impracticable.

Descend steep side of canyon.

77.50 Deep canyon,course N.W.
Ascend abruptly.

80.00 Point for cor.to secs. 1-6-7 and 12 on steep side hill facing N.W.
Land,mountainous.
Soil,rocky.
Oak and sycamore timber along canyon.
Mountainous Land 80.00 chs.

S 0°5'E on true line bet.secs. 7 and 12
Ascend abruptly.

18.00 Summit of spur descending N.W.
Thence along N.W.slope of mountain.

40.00 ¼ sec.cor.bet.secs. 7 and 12.
Land,mountainous.
Soil,rocky.
Oak,timber.
Mountainous land,including 20.00 chs. S.¼ sec.cor. 40.00 chs.

In order to check the location of the cor. to Tps. 2 and 3 N.Rs. 11 & 12 W.as I have re-established it with the ¼ sec.cor.East I begin at said Tp.cor. and run -

East on random line bet.secs. 6 and 31.

40.00 This point falls on E.face of ridge near bottom of canyon, course N.and after diligent search I am unable to find the ¼ sec.cor. or the bearing trees.

The land E.of this point being too rough to measure and the chances of finding any of the corners on such rough ground after so many years, being slight, I drop the line at this point.

Nov. 8, 1903

William A. Sickler,

U.S.Deputy Surveyor.

Chains. S.Boundary of T. 3 N.,R.12 W.,S.B.M.

For description of instrument, see original field notes.

Oct.2,1905. Having been instructed by W.O.Owen,U.S.Examiner of Surveys, to make certain corrections in my survey under contract No.222,Ts.2 and 3 N.,R.12 W.,S.B.M.,at 8h.0m.a.m.,l.m.t.,I set off 34°18' on the lat.arc and 3°27'S.on the decl.arc,and determine a meridian at the cor.to Tps. 2 and 3 N.,Rs.11 and 12 W.,and run thence-

West on a true line bet.secs. 1 and 36.

Descend through brush

7.50 Dry bed of Wild Cat Canyon,20 lks.wide, course N.
Ascend

27.20 Top of ridge, bears N.and S.,800 ft.above canyon.

36.50 W.C. ¼ sec.cor.,as set by me. A granite rock 18x13x3, set firmly in the ground,with pits 18x18x12 ins, E.and W.of rock,3 ft.dist. Rock is marked W.C. 1-4 on N.face. This cor.is set 350 lks.E.of point for true cor.

40.00 Point for cor.falls on ground too steep for building permanent cor. Descend side of steep mountain.

70.00 Ravine in bottom of Wickiup Canyon,100 lks.wide,course N 800 ft. below ridge. Ascend abruptly.

80.00 Set a granite rock 18x10x6 ins., 12 ins.in the ground,for cor. to secs.1,2,35 and 36,marked with 1 notch on the E.and 5 notches on the W.edges, from which-

A fir 18 ins.in diameter, bears S 68°30'E.,160 lks.dist., marked T 2 N R 12 W S 1 B T
Face of ledge 6x8 ft.on N.side of gulch,bears N 14°E 83 lks.dist. marked S 36 B R raise a mound of rocks 2½ ft.base,2 ft high W.of cor. Pits impracticable. Land,mountainous, Soil,rocky. No timber. Mountainous Land 80.00 chs.

S. Boundary of T.3 N.,R.12 E. S.B.M.

West on a true line bet.secs. 2 and 35
Ascend rough mountain.
35.00 High ridge bears N.and S.,1000 ft.above Wickiup Canyon.
Descend.

40.00 Set a rock 14x9x6 ins,10 ins.in the ground for ¼ sec.cor.bet.secs. 2 and 35,marked ¼ on N. face, from which

A white oak 8 ins.in diameter bears N 63°30'E 50 lks.dist., marked 1-4 S 35 B T

A white oak 16 ins. in diam.bears S 60°30'E 74 lks.dist.marked 1-4 S 2 B T

Old 1-4 sec.cor.which I destroy bears N.E. about 2.00 chs.dist. Along S. face of mountain.

57.00 Trail in small canyon bears N.E.and S.W.course of canyon N.W.

69.00 Top of brushy spur,descending N.
Descend.

78.00 Trail bears N.E.and S.W.

80.00 Set a rock 14x8x6 ins. 10 ins.in the ground for cor.to secs. 2,3, 34 and 35,with 2 notches on the E.and 4 notches on W.edges;raise a mound of rocks,3 ft.base and 2 ft.high W.of cor.
Pits impracticable.
Old cor.,which I destroy bears S.37° E. 250 lks. dist.
Land,mountainous.
Soil,4th rate.
Scattering oak and pine timber.
Mountainous land, 80.00 chs.

West on a true line bet.secs. 3 and 34.
Ascend.
11.25 Top of high ridge bears N.and S. 700 ft.above sec.cor.
Descend abruptly.

25.00 Grotto Creek,water 1 lk.wide,course N 700 ft. below ridge
Ascend abruptly.

40. 0 Set a granite rock,18x10x4 ins,12 ins.in the ground for ¼ sec.cor. marked 1-4 on N.face,raise mound of rocks, 2 ft.base,1½ ft.high N.of cor.

Pits impracticable.

Land,mountainous.
Soil,rocky.
Scattering pine timber.
Mountainous land, 40.00 chs.

Oct. 2, 1905.

William A.Sickler,
U.S.Deputy Surveyor.

Subdivision of T 3 N,R 12 W,S.B.M.

Chains.

Oct. 3, 1905; at 8h.0m.,a.m.,l.m.t.,I set off 34°18'on the lat.arc, and 3°51' S.on the decl.arc,and determine a meridian at the cor.to secs. 1,2,35 and 36, and run thence -
North on a true line bet.secs. 35 and 36.
Descend
0.40 Gulch course E. Ascend along E.face of rough mountain.
19.75 Top of high spur,descending E 500 ft.above creek.
Descend
31.00 Ravine in Wickiup Canyon,100 lks.wide,course N.
40.00 Set a rock,14x8x6 ins,10 ins. in the ground for ¼ sec.cor., marked 1-¼ on N.face; raise a mound of rocks 2½ ft.base,and 2 ft.high W.of cor. Pits impracticable. Ascend.
61.00 Top of spur, descending W.
74.00 Dry bed of Tujunga Creek, 100 lks.wide, course W.
Ascend.
76.25 Trail, bears E. and W.
80.00 Set a granite rock 14x10x5 ins., 10 ins.in the ground,for the cor.to secs. 25,26,35 and 36,marked with 1 notch on the S. and E. edges; from which-
A pine 18 ins.in diam.bears S 86°W 238 lks.distant marked T 3 N R 12 W S 35 B T; raise a mound of rocks,3 ft.base, and 2 ft.high W of cor. Pits impracticable. Old sec.cor.which I destroy,bears N.E. 43 lks. dist.

Land,mountainous.
Soil,4th rate.
Scattering fir timber.
Mountainous land, 80.00 chs.

S 89°57'E.on a random line bet.secs. 25 and 36.
40.05 Intersect ¼ sec.cor.as set by me.
Thence I run
N 89°57'W.on a true line bet.secs. 25 and 36.
3.00 Water ditch,course N.W.
8.00 End of ditch.
15.00 Trail bears N.W.and S.E.
16.00 Cabin,30 lks. N. Enter Tujunga Canyon, course W.
25.00 Leave Tujunga Canyon, course S.W.
Ascend
31.00 Top of bluff. Descend.
40.05 Cor. to secs. 25,26,35 and 36.
S 89°57'E.on a random line bet.secs. 25 and 36.
40.05 Intersect cor.to secs. 25,30,31 and 36.
Thence I run
N 89°57'W.on a true line bet. secs. 25 and 36.
Descend.
1.50 Bottom of hill. Descend gradually through brush.
5.00 Small gully, course S.W.

8.25 Water ditch,course N.W.
11.00 N.side of bend in Tujunga River.
15.50 Leave Tujunga,course S.W.
17.50 Same water ditch
23.00 Leave ditch,course S.W.
Ascend.
31.00 Top of spur,descending S. Descend.
32.50 Same ditch,course N.W.
34.00 Lynx Gulch,course S.W.
35.00 Same ditch, course S.W.
40.05 1-4 sec.cor.
Land,mountainous.
Soil,4th rate.
No timber.
Mountainous land, 80.10 chs.

N.0°1'W.on true line bet.secs. 34 & 35.
Ascend.
7.00 Spur,descending N.E. Descend.
19.50 Gulch,course E. Ascend
21.00 D.W.Colby's house bears E., about 20.00 chs.dist.
25.00 Spur,descending E. Descend.
36.00 Gulch, course E. Ascend
40.00 Set a granite rock, 12x10x8 ins., 8 ins.in the ground,for ¼ sec.cor., marked 1-4 on W.face,raise a mound of rocks 3 ft.base,2 ft.high W.of cor. Pits impracticable.
Old 1-4 sec.cor.,which I destroy,bears N 34°E 215 lks.dist.
Descend.
59.00 Enter cultivated field.
61.00 Coldwater Creek,2 lks.wide,course N.W. Leave field N.W.and S.E.
Descend along E.side of canyon.
69.00 Rocky point, descending W.
76.00 Tujunga Creek, course W. Ascend
80.00 Set a granite rock,16x8x8 ins,12 ins. in the ground,for cor.to secs. 26,27,34 and 35,marked with 1 notch on the S. and 2 notches on E. edges,from which -
A boulder 5x3x3 ft. bears N 38°30'E 160 lks.dist.,marked T 3 N.,R 12 W S 26 B R
raise a mound of rocks 2½ ft.base and 2 ft high, W.of cor.
Old sec.cor.which I destroy bears N 40°E 140 lks.dist.
Land,mountainous.
Soil, rocky,
Alder timber along stream
Mountainous land 76.00 chs.

Subdivision of T 3 N,R.1[illegible] W.S.B.M.

East on a random line bet.secs. 26 & 35.

40.00 Set temp. ¼ sec. cor.

80.00 Intersect cor. to secs. 25,26,35 and 36.

I run thence

West on a true line bet.secs. 26 & 35.

Descend

6.50 Tujunga Creek, course N.W. Ascend

10.00 Spur, descending N. Descend

26.00 Tujunga Creek, course S.W. Ascend

39.72 Top of spur 400 ft. above creek, descending S.

The place for corner will fall on ground too steep for building permanent corner, therefore at this place, 28 lks. E.of true point, I set a rock 14x10x5 ins., 10 ins.in the ground for witness corner to the ¼ sec.cor., bet.secs. 26 and 35,marked W.C.1-4 on N. face, raise a mound of rocks 3 ft. base, and 2 ft. high N.of cor. Pits impracticable.
The old ¼ sec.cor.which I destroy, bears N 42 3/4 E 67 lks. dist.

Descend.

40.00 Point for ¼ sec. cor.

46.25 Deep canyon, course S. Ascend.

54.00 Top of high ridge, bears N. and S. Descend

69.00 Tujunga Creek, course N.W. Ascend
70.00 Top of low spur in bend of creek.
72.00 Tujunga Creek, course S. W. Ascend
80.00 Cor. to secs. 26,27,34 and 35.
Land, mountainous.
Soil, rocky.
Alder timber along the creek.
Mountainous land, 80.00 chs.

From ¼ sec.cor. bet. secs. 3 and 34
N 0°1'W.along center line of sec. 34.
Along E. face of rough mountain.

40.00 Set a rock, 14x8x6 ins., 10 ins.in the ground for interior ¼ cor. of sec. 34, marked 1-4 on W. face, raise a mound of rocks, 3 ft.base,2 ft. high W. of cor. Pits impracticable. Old ¼ sec.cor.which I destroy, bears N.W. about 2.00 chs. dist.
Land, mountainous.
Soil, rocky.
No timber.
Mountainous land, 40.00 chs.

Subdivision of T. 3 N, R. 12 W., S.B.M.

From interior ¼ sec.cor. of sec. 34.

East on a random line through the center of sec. 34.

40.00 Intersect ¼ sec. cor. bet. secs. 34 and 35

Thence I run -

West on a true line through the center of sec. 34.

Ascend.

7.60 Top of high ridge 100 ft. above ¼ sec. cor. Descend abruptly.

18.00 Grotto Creek, water 1 lk. wide, course North

Ascend.

40.00 Interior ¼ sec. cor., sec. 34.

Land, mountainous.

Soil, rocky.

Alder timber along creek

Mountainous land, 40.00 chs.

Oct. 3, 1905.

William A. Sickler,

U.S.Deputy Surveyor.