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

SUBDIVISION TOWNSHIP 3 NORTH, RANGE 14 WEST, S.B.M.

Survey commenced May 15, 1902, and executed with a W. and L.E.Gurley light mountain transit with solar attachment.

The horizontal limb being provided with double verniers placed opposite and reading to single minutes of arc.

The instrument was tested on the true meridian at San Francisco and found correct and was approved by the official examiner, May 30, 1901. I tested solar by comparison with an observation as heretofore described May 12, 1902.

May 15, at 8 h. 0 m. a.m., l.m.t., I set off $34^{\circ}18'$ on lat. arc, $18^{\circ}46'$ N. on decl. arc, and determine a true meridian with the solar at the cor. of secs. 35 and 36 as heretofore described on S.bdy. of Tp.

Thence, I run

N $0^{\circ}1'$ W. on true line bet. secs. 35 and 36.

Ascend steep rough mountain.

35.00 Top of mountain course E. & W. Descend

40.00 Set rock $18 \times 12 \times 8$ ins. 10 ins. in ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face, raise mound of rocks 3 ft. base, 2 ft. high W. of cor. Pits impracticable.

80.00 Set rock $16 \times 10 \times 8$ ins. 10 ins. in ground for cor. to secs. 25 and 26, 35 and 36, marked one notch on S. and E. edges, raise a mound of rocks 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
Land, mountainous.
Soil, rocky.
No timber
Mountainous land 80.00 chs.

East, on random line bet. secs. 25 and 36.

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

80.00 Intersect range line 25 lks. South of place for cor. of secs. 25 and 36. From true place for cor. I run S. $89^{\circ}49'$ W. on true line bet. secs. 25 and 36 Along N. slope of mountain through dense brush.

40.00 Set rock $14 \times 10 \times 8$ ins. 10 ins. in ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face, raise mound of rocks 2 ft. base $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable.

This cor. is on W. edge of flat bench on N. side of mountain.

80.00 Cor. to secs. 25, 26, 35 and 36.
Land, mountainous
Soil, rocky
Mountainous land, 80.00 chs.

May 15, 1902.

N. $0^{\circ}1'$ W. on true line bet. secs. 25 and 26.
Descend through brush

39.00 Dry gulch 30 lks. wide, course N.W.

40.00 Set rock $18 \times 10 \times 4$ ins. 12 ins. in ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on west face, dig pits $18 \times 18 \times 12$ ins. north and south of rock 3 ft. dist. raise mound of rocks 2 ft. base by $1\frac{1}{2}$ ft. high W. of cor.

SUBDIVISION TOWNSHIP 3 NORTH, RANGE 14 WEST, S.B.M.

- 48.15 Top of ridge, course N.W. and S.E.
60.75 Dry canyon 20 lks. wide, course W.
78.00 Foot of hill.
80.00 Set rock 14x10x8 ins. 10 ins. in ground for cor. of secs. 23, 24, 25 and 26, marked 1 notch on east and 2 notches on south edges, raise mound of rock 3 ft. base, 2 ft. high W. of cor. Pits impracticable.
This cor. is on south side of ridge near the top.
Land mountainous
Soil rocky.
Mountainous land, 80.00 chs.

North 89° 49' E. on random line bet. secs. 24 and 25.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.10 Intersect range line 190 lks. S. of witness cor. to secs. 24 and 25 which is 2.00 chs. North of true cor.
From place for true cor. I run
South 89° 53' west on true line bet. secs. 24 & 25.
Ascend steep cliff.
3.00 Top of cliff and descend.
40.05 Set rock 12x10x8 ins. 8 ins. in ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on north face, raise mound of rocks 3 ft. base, 2 ft. high north of cor. Pits impracticable.
80.10 Cor. to secs. 23, 24, 25 and 26.
Land, mountainous
Soil rocky.
No timber
Mountainous land, 80.10 chs.

June 8, 1902

June 9, at 8h. 0 m. a.m., l.m.t., I set off 34° 20' on lat. arc, 22° 54' N. on decl. arc, and determine a true meridian at the cor. of secs. 23, 24, 25 and 26-- Thence, I run North 0° 1' west on true line bet. secs. 23 and 24.

- 1.00 Top of ridge descending west. Descend
7.50 Gold Creek 5 lks. wide, course west.
8.00 Road in bottom of Gold Creek canyon, course E. and W.
Watt's house bears N.W. about 8.00 chs. Ascend
40.00 Set an oak post 3 ft. long 3 ins. sq., 24 ins. in ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S. 23 on W. 24 on east face, raise mound of rock 2 ft. base 1 $\frac{1}{2}$ ft. high west of cor.
Pits impracticable.
80.00 Set rock 20x12x8 ins. 15 ins. in ground for cor. of secs. 13, 14, 22 and 24, marked with 1 notch on E. and 3 notches on south edges, raise a mound of rocks 3 ft. base, 2 ft. high west of cor. Pits impracticable.
This cor. is on south face of high mountain 1000 feet above Gold Creek.
Land, mountainous.

SUBDIVISION TOWNSHIP 3 NORTH, RANGE 14 WEST, S.B.M.

Soil, rocky
No timber.
Mountainous land 80.00 chs.

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North 89°53' east on random line bet. secs. 13 and 24

- 40.00 Set temp. cor.
- 79.90 Intersect range line at a point 23 lks. north of cor. of secs. 13 and 24. - Thence, I run North, 89°57' West on true line bet. Secs. 13 and 24. Ascend.
- 15.00 Wash at foot of steep mountain, course S.
- 39.95 Place for $\frac{1}{4}$ sec.cor. on steep mountain side unsuitable for permanent cor.
- 48.50 Set rock 18x12x6 ins. 12 ins. in ground for witness $\frac{1}{4}$ sec. cor. marked W.C. $\frac{1}{4}$ on N. side, raise a mound of rocks 5 ft. base, 3 ft. high north of cor. Pits impracticable. This cor. is on ridge, course N. and S. 900 feet above Gold Creek.
- 79.90 Cor. to secs. 13, 14, 23 and 24. Land, mountainous. Soil, rocky Mountainous land, 79.90 chs.

June 9, 1902

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June 10, at 9 h. 0 m. a.m., l.m.t., I set off 34°21' on lat. arc., 22°59' N. on decl. arc. and determine a true meridian at the cor. of secs. 13, 14, 23 and 24. Thence, I run N 0°1' W. on true line bet. secs. 13 and 14. Descend

- 15.00 Bottom of rocky canyon 250 feet below sec.cor.course S.W. Ascend abruptly.
- 40.00 Set rock 16x12x8 ins. in mound of rock for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on west face, raise mound of rocks 2 ft. base, 1 $\frac{1}{2}$ ft. high W. of cor. On account of the rocky nature of ground am unable to set rock in ground.
- 71.00 Top of rocky mountain 2500 feet above Gold Creek, course east and west. The sec. cor. will fall in an almost inaccessible place, therefore I erect a witness cor. at this point. Set rock 18x12x10 ins. 12 ins. in ground, marked W.C. on N.E. face, 4 notches on S. and 1 notch on E. edges, raise a mound of rocks 5 ft. base, 3 ft. high W. of cor. Descend abruptly.
- 80.00 Place for cor. to secs. 11, 12, 13 and 14. Mountainous land, 80.00 chs.

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South 89° 57' E. on random line bet. secs. 12 and 13.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.00 Intersect range line 20 lks. S. of cor. of secs. 12 and 13, Thence, I run

SUBDIVISION TOWNSHIP 3 NORTH, RANGE 14 WEST, S.B.M.

S ~~89°~~54' W. on true line bet. secs. 12 and 13.

- 1.00 Top of ridge descending south.
- 8.00 Summit of mountain range bet. Gold Creek and Pacoima Creek
2500 ft. above Gold Creek--Thence over deep canyons and sharp
spurs on N. slope of mountain.
- 40.00 Set rock 12x10x8 ins. 8 ins. in ground for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ on N. face, raise mound of rocks 2 ft. base $1\frac{1}{2}$ ft. high N. of cor.
Pits impracticable. On E. side of ridge.
- 44.00 Top of ridge descending N.W.
- 80.00 Cor. to secs. 11, 12, 13 and 14.
Land, mountainous
Soil, rocky.
Mountainous land, 80.00 chs.

June 10, 1902

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June 11, at 8 h. 0 m. a.m., l.m.t., I set off $34^{\circ}22'$ on lat.
arc, $23^{\circ}04'$ N. on deol. arc, and determine a true meridian at the
cor. of secs. 11, 12, 13 and 14.

Thence, I run
North, $0^{\circ}1'$ W. on true line bet. secs. 11 and 12
Descend through brush.

- 40.00 Set rock 20x12x8 ins. 15 ins. in ground for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ on W. face, raise a mound of rocks 4 ft. base by 2 ft. high
W. of cor. on side of mountain facing west.
- 44.00 Top of spur descending N.W.
- 70.00 Pacoima Creek 5 lks. wide, course N.W. 2000 ft. below sec. cor.
Ascend.
- 76.00 Top of low spur Descend
- 80.00 Sycamore tree 8 ins. in diam. for cor. of Secs. 1, 2, 11 and 12
I mark T 3 N S 1 on NE, R 14 W. S. 12 on S E
S 11 on S.W. S 2 on N.W. side with notches on S.
1 notch on E. sides, from which a fir tree 30 ins. in diam.
bears N. 81° E. 62 lks. dist. marked T 3 N. 14 W. S 1 B T.
A white oak 10 ins. in diam. bears S. 22° E. 40 lks. dist.,
marked T 3 N R 14 W S 12 B T
A sycamore 8 ins. in diam. bears S. $48^{\circ}30'$ W. 60 lks. dist.
marked T 3 N R 14 W S 11 B T
A rock in place 5 ft. long, 2 ft. high bears N $53^{\circ}30'$ W.
26 lks. dist. marked T 3 N R 14 W S 2 B R
In rocky canyon, course S.W. about 6 chs. from junction with
Pacoima Creek.
Land, mountainous
Soil, rocky.
Mountainous land, 80.00 chs.

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N. $89^{\circ}54'$ E.
On random line bet. secs. 1 and 12.

- 40.00 Set temp cor.
- 80.20 Intersect range line 10 lks. N. of cor. of secs. 1 and 12.

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Thence, I run
S. $89^{\circ}58'$ W. on true line bet. secs. 1 and 12.

- 0.50 Canyon 10 lks. wide, course S.W.
Ascend rocky side of canyon.
- 40.10 Place for $\frac{1}{4}$ sec. cor. falls on steep mountain side unsuitable
for cor.
- 56.60 Set a rock $20 \times 14 \times 4$ ins. 12 ins. in ground for W.C. $\frac{1}{4}$ sec. cor.
marked W.C. $\frac{1}{4}$ on N face; raise a mound of rocks 3 ft. base, 2
ft. high N. of cor. Pits impracticable.
- 80.20 Cor. to secs. 1, 2, 11 and 12.
Mountainous land, 80.20 chs. June 11, 1902.
- May 16, At 10 h. 0 m. a.m., l.m.t., I set off $34^{\circ}18'$ on lat.
arc, $19^{\circ}1'$ N. on decl. arc, and determine a true meridian with
the solar at the cor. of secs. 34 and 35 on S. bdy. of township—
Thence, I run
N. $0^{\circ}1'$ W. on true line bet. secs. 34 and 35.
Ascend steep rough mountain.
- 23.00 Summit of mountain bet. Tujunga and Gold Creeks, course E. and
W. 2000 feet above Tujunga Valley. Descend.
- 40.00 Set a rock $18 \times 12 \times 10$ ins. 12 ins. in ground for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ on W. face, raise a mound of rocks 3 ft. base, 2 ft. high W. of
cor. Pits impracticable.
This cor. is about 50 lks. E. of small gulch near old placer
diggings.
- 80.00 Set rock $18 \times 14 \times 12$ ins. 12 ins. in ground for cor. to secs. 26, 27,
34 and 35 marked with 1 notch on S. and 2 notches on E. edges, from
which a rock in place 10×6 ft. 4 ft. above ground bears S. 89° E.
10 lks. dist. marked T 3 N R 14 W S 35 B R raise a mound of rocks
4 ft. base, 3 ft. high W. of cor. Pits impracticable.
Land, mountainous
Soil, rocky
Mountainous land 80.00 chs.
- East, on random line bet. secs. 26 and 35.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.20 Intersect N. and S. line 20 lks. N. of cor. of secs. 25, 26, 35 and
36. — From which I run
North $89^{\circ}51'$ W. on true line bet. Secs. 26 and 35.
Along N. slope of mountain.
- 40.10 Set rock $18 \times 12 \times 8$ ins. 12 ins. in ground for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ on N. face raise mound of rocks 3 ft. base, 2 ft. high N. of cor.
Pits impracticable.
On side of mountain facing north.
- 80.20 Cor. of secs. 26, 27, 34 and 35.
Land, mountainous.
Soil, rocky
Mountainous land 80.20 chs.

May 16, 1902

North $0^{\circ}1'$ W. on true line bet. secs. 26 and 27
Descend through dense brush

- 5.00 Timbered ravine 2,00 chs. wide, course W. Ascend.

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- 11.00 Top of brushy ridge, course east and west. Descend
- 40.00 Set rock 12x10x6 ins. 8 ins. in ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face, raise a mound of rocks 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
- 57.50 Gold Creek water 5 lks. wide, course W.
- 62.50 Road, course E. and W. in bottom of canyon, course W.
- 80.00 Set a rock 18x12x10 ins. 12 ins. in ground for cor. to secs. 22, 23, 26 and 27, marked with 2 notches on S. and E. edges, raise a mound of rocks, 3 ft. base, 2 ft. high W. of cor.
Pits impracticable.
Land, mountainous.
Soil, rocky.
Mountains land, 80.00 chs.

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June 12, at 2 h. 0 m. p.m., l.m.t., I set off $34^{\circ}20'$ on lat. arc, $23^{\circ}09'$ N. on decl. arc, and determine a true meridian with the solar at the cor. of secs. 22, 23, 26 & 27.
Thence,
S. $89^{\circ}51'$ E. on random line bet. secs. 23 and 26.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.10 Intersect N. and S. line 18 lks. N. of cor. to secs. 23, 24, 25 and 26, from which I run North, $89^{\circ}43'$ W. on true line bet. secs. 23 and 26.
- 24.00 Gold Creek 5 lks. wide, course S.W.
- 24.30 Road, course N.E. and S.W.
- 27.00 Enter vineyard.
- 29.00 Leave vineyard and enter brush
- 31.75 Wire fence course S.W. and N.E.
- 33.00 Gully, course S.W.
- 40.05 Set rock 18x12x8 ins. 12 ins. in ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; raise mound of rocks 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable.
- 80.10 Cor. of secs. 22, 23, 26 and 27.
Land, mountainous
Soil, 1st and 4th rate.
Mountainous land, 80.10 chs.

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North $0^{\circ}1'W$. on true line bet. secs. 22 and 23.

- 1.50 Top of bluff
- 3.00 Bottom of bluff.
- 6.00 Road, course N.E. and S.W. in bottom of canyon, course S.W.
Ascend.
- 40.00 Set rock 14x8x6 ins. 10 ins. in ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face, raise mound of rocks 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.

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- 53.00 Top of sandstone spur descending W.
78.00 Top of ridge 800 feet above sec. cor. course E. & W. Descend
80.00 Set rock 18x12x8 ins. 12 ins. in ground for cor. of secs.
14, 15, 22 and 23, marked with 3 notches on S. and 2 notches
on E. edges, from which a manzanita 4 ins. in diam. bears
S. 45° E. 12 lks. dist. marked T 3 N R 14 W S 23 B T, raise
mound of rocks 3 ft. base 2 ft. high W. of cor.
Pits impracticable.
Land, mountainous.
Soil, rocky.
Mountainous land, 80.00 chs.

June 12, 1902.

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South 89°43' E. on random line bet. secs. 14 and 23.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.15 Intersect N. and S. line 24 lks. S. of cor. to secs. 13, 14, 23
and 24--- Thence, I run
North 89°53' W. on true line bet. secs. 14 and 23.
Descend steep mountain side through brush.
20.50 Bottom of mountain and ravine 800 ft. below sec. cor.
25.00 Across ravine, course S.
37.00 Top of spur descending S.E.
40.07 Set rock 12x10x6 ins. 8 ins. in ground for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ on N. face, raise mound of rocks 3 ft. base, 2 ft. high N.
of cor. Pits impracticable.
64.00 Canyon 10 lks. wide, course S.E.
71.80 Top of high ridge, course N.E. and S.W. Descend.
80.15 Cor. of secs. 14, 15, 22 and 23.
Mountainous land, 80.15 chs.

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North 0°1' W. on true line bet. secs. 14 and 15.
Descend thru brush.

- 6.50 Deep canyon 300 feet below sec. cor. course S.W.
Ascend rocky cliff.
12.00 Top of cliff, ascend rough mountain through brush.
40.00 Set rock 18x10x8 ins. 10 ins. in ground for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ on W. face, raise mound of rocks 4 ft. base, 3 ft. high W. of
cor. Pits impracticable.
On rocky point facing S.
76.00 Summit of mountain bet. Little Tujunga and Pacoima 2000 ft.
above the creeks, course E. and W.
80.00 Set a rock 20x8x6 ins. 14 ins. in ground for cor. of secs.
10, 11, 14 and 15 marked w⁹th 4 notches on S. and 2 notches
on E. edges, raise mound of rocks 4 ft. base, 2 $\frac{1}{2}$ ft. high W. of
cor. Pits impracticable.
On N.W. side of Mt. Kinley

SUBDIVISION TOWNSHIP 3 NORTH, RANGE 14 WEST, S.B.M.

Land, mountainous, soil rocky
Mountainous land, 80.00 chs.

June 13,

S. 89°53' E.

On random line bet. secs. 11 and 14.

- 40.00 Set temp. cor.
80.30 Intersect N. and S. line 21 lks. S. of place for cor. of secs.
11, 12, 13 and 14.
South 89°58' W. on true line bet. secs. 11 and 14,
from true place for cor. Along N. slope of mountain
The place for $\frac{1}{4}$ sec. cor. will fall on steep mountain un-
suitable for cor.
- 27.60 Set a rock 14x8x6 ins. 10 ins. in ground for W.C. $\frac{1}{4}$ sec. cor.
marked W.C. $\frac{1}{4}$ on N. face, raise a mound of rocks 3 ft. base,
2 ft. high N. of cor. Pits impracticable. Descend.
On spur descending N.W.
- 40.15 Place for $\frac{1}{4}$ sec. cor.
80.30 Cor. of secs. 10, 11, 14 and 15.
Land, mountainous. Soil rocky
Mountainous land 80.30 chs.

June 14, at 2 h. 0 m., p.m., 1.m.t., Set off 34°22' on lat.
arc., 23°16' N. on decl. arc, and determine a true meridian
with the solar at the cor. of secs. 10, 11, 14 and 15.

Thence, I run
North, 0°1' W. on true line bet. secs. 10 and 11.
Descend steep side of mountain through brush.

- 21.00 Canyon 50 lks. wide, course N. W.
36.00 Ridge descending N.W.
40.00 Set rock 15x10x6 ins. 10 ins. in ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on W. face; raise a mound of rock $3\frac{1}{2}$ ft. base 2 $\frac{1}{2}$
ft. high W. of cor. On N.E. face of ridge descending N.W.
- 62.00 Pacoima Creek 5 lks. wide, course W. Ascend rocky mountain.
80.00 Set rock 20x10x6 ins. 15 ins. in ground for cor. of secs.
2, 3, 10 and 11, marked with 5 notches on S. and 2 notches
on E. faces; raise mound of rock 4 ft. base, 2 $\frac{1}{2}$ ft. high W.
of cor. Pits impracticable.
Land, mountainous.
Soil, rocky
Mountainous land 80.00 chs.

June 14, 1902.

SUBDIVISION TOWNSHIP 3 NORTH, RANGE 14 WEST, S.B.M.

N. 89°58' E. on random line bet. secs. 2 and 11.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.10 Intersect N. and S. line 16 lks. N. of Cor. of secs. 1, 2, 11, 12
North, 89°55' W. on true line bet. secs. 2 and 11.
Ascend rocky side of canyon.
- 3.00 Top of low spur descending S.
- 8.50 Gulch c. S.W. Ascend
- 32.00 Spur descending S.
- 40.05 Set a rock 12x10x6 ins. 8 ins. in ground for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ on N. face, raise mound of rock 2 $\frac{1}{2}$ ft. base, 2 ft. high N. of
cor. Pits impracticable.
- 76.00 Top of ridge descending S.
- 80.10 Cor. of secs. 2, 3, 10 and 11.
Land, mountainous
Soil, rocky.
Mountainous land, 80.10 chs.

June 15, 1902.

May 17, at 8 h. 0 m. a.m., l.m.t., set off 34°18' on lat.
arc, and 19°14' N. on decl. arc., and determine a true meridian
with the solar at the cor. of secs. 33 and 34 on S. bdy. of
Tp. heretofore described.

Thence, I run,
North, 0°2' W. on true line bet. secs. 33 and 34.
Over a succession of spurs and gulches, descending S.W.

- 19.00 A point from which Linn's house bears W. about 3 chs. dist.
Thence along slope of foothills of steep mountain, through
brush.
- 40.00 Set a rock 16x8x8 ins. 10 ins. in ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on W. face, raise a mound of rocks 2 ft. base, 1 $\frac{1}{2}$ ft.
high W. of cor. Pits impracticable.
- 53.80 Wire fence, course N.E. and S.W.
- 55.00 Dry gulch 10 lks. wide, course W.
- 55.75 Water pipe, course E. and W.
- 70.00 Dry gulch, course W.
- 80.00 Set rock 18x12x10 ins. 12 ins. in ground for cor. of secs.
27, 28, 33 and 34 marked with 1 notch on S. and 3 notches
on E. edges, from which a scrub oak 4 ins. in diam. bears
S. 33°E. 48 lks. dist. marked T 3 N R 14 W, S 34 B T.
raise a mound of rocks 3 ft. base, 2 ft. high W. of cor.
A prospect hole 4 ft. in diam. 4 ft. deep is S.W. of cor. 6 ft.
dist.
Land, mountainous
Soil, rocky.
Mountainous land 80.00 chs.

SUBDIVISION TOWNSHIP 3 NORTH, RANGE 14 WEST, S.B.M.

East on random line, bet. secs. 27 and 34.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.80 Intersect N. and S. line 26 lks. North of cor. of secs. 26, 27, 35 and 34.
Thence, I run
North, $89^{\circ}49'$ W. on true line bet. Secs. ~~35~~²⁷ and 34. ?
Descend through dense brush.
- 7.00 Timbered ravine 100 lks. wide, water 5 lks. wide, course S.W.
Ascend.
- 20.00 Top of peak 500 feet above sec. cor. Descend abruptly.
- 30.00 Enter same stream which has become a rocky gorge, course W.
- 39.90 A live oak tree 14 ins. in diam. for $\frac{1}{4}$ sec. cor. I mark $\frac{1}{4}$ S.
27 on N. side, 34 on S. side, raise a mound of rocks
around tree. Pits impracticable.
On S. bank of canyon.
- 60.00 Leave gorge and ascend
- 65.00 Brushy mesa.
- 79.80 Cor. of secs. 27, 28, 33 and 34
Land, covered with rocks and brush
Mountainous land, 79.80 chs.

May 17, 1902.

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North, $0^{\circ}2'$ W. on true line bet. secs. 27 and 28. Descend.

- 7.50 Cross gold creek 5 lks. wide, course S.W. Ascend
- 27.00 Top of spur descending S.W.
- 36.00 Little Tujunga Creek, course S.W.
- 37.50 Road, course N.E. and S.W.
- 40.00 Set rock $18 \times 10 \times 8$ ins. 12 ins. in ground for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ on W. face, raise mound of rock 2 ft. base $1\frac{1}{2}$ ft. high W. of
cor. Pits impracticable.
Ascend rough mountain.
- 80.00 Set rock $30 \times 10 \times 6$ ins. 20 ins. in ground for cor. to secs. 21, 22,
27 and 28 marked with 2 notches on S. and 3 notches on E. edges,
raise mound of rocks 3 ft. base, 2 ft. high W. of cor. Pits
impracticable.
On top of spur descending E. 500 feet above $\frac{1}{4}$ sec. cor.
Land, mountainous.
Soil, rocky
Mountainous land, 80.00 chs.

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South $89^{\circ}49'$ E. on random line bet. secs. 22 and 27.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.10 Intersect N. and S. line 5 lks. S. of cor. of secs. 22, 23, 26 and 27
North $89^{\circ}51'$ W. on true line bet. secs. 22 and 27.

SUBDIVISION OF TOWNSHIP 3 NORTH, RANGE 14 WEST, S.B.M.

- 1.50 Top of bluff
4.00 Foot of bluff
5.00 A point from which house bears N. about 3.00 chs.
6.10 Road in bottom of canyon c. S.W.
33.00 Ridge, course N. and S. Russian Oil Derrick bears N. about 24.00 chs.
40.05 Set a rock 16x12x8 ins. 11 ins. in ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; dig pits 18x18x12 ins. on line and E. of rock 3 ft. dist. raise mound of earth $4\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high N. of cor.
41.00 Top of sandstone bluff.
44.00 Bottom of bluff.
55.00 Little Tujunga Creek 5 lks. wide, course S.W.
56.00 Road, course N.E. and S.W. Ascend rough mountain.
80.10 Cor. to secs. 21, 22, 27 and 28.
Land, mountainous
Soil, rocky.
Mountainous land 80.10 chs.

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June 16, At 10 h. 0 m. a.m., l.m.t., set off $34^{\circ}20'$ on lat. arc, $23^{\circ}21'$ N. on decl. arc., and determine a true meridian with the solar at the cor. of secs. 21, 22, 27 and 28.
Thence, I run
North, $0^{\circ}2'W$. on true line bet. secs. 21 and 22.
Descend through brush

- 35.00 Buck Canyon 50 lks. wide, course S.E.
36.00 Road, course S.E. and N.W.
40.00 Set rock 14x12x6 ins. 9 ins. in ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face, raise a mound of rocks 3 ft. base, 2 ft. high W. of cor. Ascend through brush.
80.00 Set a manzanita post 3 ft. long 3 ins. sq., 24 ins. in ground for cor. to secs. 15, 16, 21 and 22, marked T 3 N. S 15 on N.E. R 14 W. S 22 on S.E. S 21 on S.W. S 16 on N.W. faces with 3 notches on S.E. edges, raise a mound of rocks 3 ft. base, 2 ft. high W. of cor. Pits impracticable.
Land, covered with brush.
Soil, 3rd rate.
Mountainous land, 80.00 chs.

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South, $89^{\circ}51'E$. on random line bet. secs. 15 and 22.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.18 Intersect N. and S. line 25 lks. S. of cor. of secs. 14, 15, 22, and 23 — Thence, I run
South $89^{\circ}58'W$. on true line bet. secs. 15 and 22.
Descend rough mountain on S. side of deep canyon.

SUBDIVISION TOWNSHIP 3 NORTH, RANGE 14 WEST, S.B.M.

- 30.50 Cross canyon 50 lks. wide, course S.W.
- 40.09 Set rock 14x10x8 ins. 10 ins. in ground for $\frac{1}{4}$ sec.cor. marked $\frac{1}{4}$ on N. face raise mound of rocks 3 ft. base, 2 ft. high N. of cor. Pits impracticable.
- 44.00 Mrs. Bennett's house on line Descend through orchard.
- 50.75 Leave orchard and cross road.
- 51.00 Gulch 20 lks. wide, course S.E. Ascend brushy mountain.
- 66.00 Top of ridge 500 feet above $\frac{1}{4}$ sec. cor. course S.E. and N.W. Descend.
- 80.18 Cor. of secs. 15, 16, 21 and 22
Land, mountainous
Soil 2nd and 4th rate
Mountainous land 80.18 chs.

June 16, 1902.

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- North 0°2'W. on true line bet. secs. 15 and 16.
Ascend through brush.
- 10.00 Top of ridge, course E. and W. Descend
- 20.50 Road, course N.W. and S.E. Ascend
- 30.75 Top of ridge, course E. and W.
- 32.00 Descend.
- 40.00 Set rock 12x10x8 ins. 8 ins. in ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face, raise mound of rocks 3 ft. base, 2 ft. high W. of cor. Pits impracticable.
Ascend rough side of steep mountain.
- 73.50 Summit of mountain or divide bet. Pacoima and Little Tujunga about 4 chs. E. of top of peak locally known as Sugar Loaf.
Descend.
- 80.00 Set an oak post 3 ft. long, 3 ins. sq., 24 ins. in ground for cor. of secs. 9, 10, 15 and 16, marked
T. 3 N., S 10 on N.E.
R 14 W S 15 ON S.E.
S 16 on S.W.
S 9 on N.W. faces with 4 notches on S & 3 notches on E. edges; dig pits 18x18x12 ins. in each sec. $4\frac{1}{2}$ ft. dist. raise mound of earth $4\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high W. of cor.

Land, mountainous.
Soil, rocky
Mountainous land, 80.00 chs.

North 89°58' E. on random line bet. secs. 10 and 15.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.06 Intersect N. and S. line 30 lks. S. of cor. of secs. 10, 11, 14 and 15--Thence I run
South 89°45' W. on true line bet. secs. 10 and 15.
Along N. slope of high mountain.

SUBDIVISION TOWNSHIP 3 NORTH, RANGE 14 WEST, S.B.M.

40.03 A scrub oak 5 ins. in diam. for $\frac{1}{4}$ sec. cor. I mark $\frac{1}{4}$ S. 10
on N. side 15 on S. side raise a mound of rocks around tree

50.00 Cross to S. side of divide

73.00 Cross back to N. side

80.06 Cor. of secs. 9, 10, 15 and 16
Land, mountainous
Soil, rocky.
Mountainous land 80.06 chs.

June 17, 1902

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June 18, At 8 h. 0 m. a.m., l.m.t., set off $34^{\circ}20'$ on lat.
arc, $23^{\circ}25'$ N. on decl. arc, and determine a true meridian
with the solar at the cor. of secs. 9, 10, 15 and 16.
Thence, I run

North, $0^{\circ}2'$ W. on true line bet. secs. 9 and 10.
Descend steep mountain side through dense brush.

11.00 Canyon 50 links wide, course N.W. Ascend

34.00 Spur descending N.W.

39.00 Foot of mountain.

40.00 A sycamore tree 10 ins. in diam. for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S.
9 on W. and 10 on E. side, from which a
Sycamore tree 10 ins. in diam. bears S. 68° E. 93 lks.
dist., marked $\frac{1}{4}$ S. 10 B.T.

A sycamore 12 ins. in diam. bears S. $67\frac{1}{2}^{\circ}$ W. 170 lks.
dist., marked $\frac{1}{4}$ S 9 B T

41.00 Pacoima Creek 2000 feet below sec. cor. course West

45.00 Through apiary and enter mouth of canyon which I ascend

80.00 Set rock $20 \times 10 \times 8$ ins. 15 ins. in ground for cor. of secs.
3, 4, 9 and 10 marked with 5 notches on S. and 3 notches on
E. faces, raise mound of rocks 4 ft. base, 3 ft. high W. of cor.
Pits impracticable.
On point bet. two canyons facing S.
Land, covered with brush.
Mountainous land, 80.00 chs.

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North $89^{\circ}45'$ E. on random line bet. secs. 3 and 10.

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

79.90 Intersect N. and S. line 20 links N. of cor. of secs. 2, 3,
10 and 11— Thence, I run
South $89^{\circ}54'$ W. on true line bet. secs. 3 and 10
Along S. slope of rough mountain.

10.50 Deep timbered canyon 350 feet below sec. cor. course S.
Ascend.

30.00 Ridge, course S.E. and N.W. 450 feet above canyon

32.50 Gully, course S.E.

35.00 Spur, descending S.E.

SUBDIVISION TOWNSHIP 3 NORTH, RANGE 14 WEST, S.B.M.

- 39.00 Canyon, course S. Ascend
- 39.95 Set rock 12x12x6 ins. 8 ins. in ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face raise mound of rocks 3 ft. base, 2 ft. high N. of cor. Pits impracticable.
- 55.00 Spur 300 feet above $\frac{1}{4}$ sec. cor. descending S.W. Descend
- 78.00 Ravine 500 feet below ridge 50 links wide, course S.
- 79.90 Cor. to secs. 3, 4, 9 and 10
Land covered with rocks and brush
Mountainous land, 79.90 chs.

June 18, 1902

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May 18, at 8 h. 0 m. 1.m.t., I set off 34°18' on lat. arc., 19°27' N. on decl. arc., and determine with the solar a true meridian at the cor. of secs. 32 and 33 on S. bdry. of Tp. Thence, I run North, 0°2' W. on true line bet. secs. 32 and 33. Ascend through brush

- 5.00 Top of spur descending S.W.
- 40.00 Set a rock 14x10x8 ins. 10 ins. in ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face, dig pits 18x18x12 ins. on line N. and S. of post 3 ft. dist., raise mound of earth and rock 3 ft. base $1\frac{1}{2}$ ft. high N. of cor.
- 80.00 Set rock 12x10x8 ins. 8 ins. in ground for cor. of secs. 28, 29, 33 and 32 marked with 4 notches on E. and 1 notch on S. edges, raise a mound of rock 3 ft. base, 2 ft. high W. of cor. Pits impracticable.
Soil, rocky and covered with brush
Mountainous land, 80.00 chs.

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East, on random line bet. secs. 28 and 33.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.90 Intersect N. and S. line 10 lks. S. of cor. of secs. 27, 28, 33 and 34 - Thence I run S. 89°58' W. on true line bet. secs. 28 and 33. Descend
- 12.20 Wire fence, course N.E. and S.W.
- 12.30 Road N.E. and S.W. Little Tujunga Creek. No water, course S.W. Ascend.
- 36.25 Deep gorge, course S.E.
- 39.95 Set a rock 12x10x8 ins. 8 ins. in ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face, raise a mound of rock 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable.
Thence over succession of sandstone ridges and washes.
- 79.90 Cor. of secs. 28, 29, 32 and 33.
Soil, rocky.
Mountainous land 79.90 chs.

May 18, 1902

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SUBDIVISION TOWNSHIP 3 NORTH, RANGE 14 WEST, S.B.M.

North 0°2'W. on true line bet. secs. 28 and 29.
Ascend rough mountain.

- 40.00 Set a rock 14x12x6 ins. in mound of rock on top of rocky point for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face, raise a mound of rocks 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
- 60.00 Summit of mountain 1200 feet above sec. cor. course E. & W. Descend.
- 80.00 Set a rock 14x8x6 ins. 10 ins. in ground for cor. of secs. 20, 21, 28 and 29, marked with 4 notches on E. and 2 notches on S. edges, raise a mound of rocks 2 ft. base $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
Soil rocky and covered with brush.
Mountainous land, 80.00 chs.

North 89°56' E. on random line bet. secs. 21 and 28.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.10 Intersect N. and S. line 20 links S. of cor. of secs. 21, 22, 27 and 28 -- Thence, I run S. 89°47' W. on true line bet. secs. 21 and 28. Ascend steep mountain.
- 18.00 Top of mountain 500 feet above sec. cor.
- 40.05 Set rock 12x8x8 ins. 8 ins. in ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face, raise a mound of rocks 2 ft. base $1\frac{1}{2}$ ft. high North of cor. Pits impracticable.
- 42.00 Rocky gulch 200 links wide, course S.E.
- 80.10 Cor. of secs. 20, 21, 28 and 29.
Soil, rocky.
Mountainous land 80.10 chs.

North 0°2'W. on true line bet. secs. 20 and 21.
Through dense brush.

- 39.00 Gulch 100 ft. deep course E.
- 40.00 Set rock 18x12x8 ins. 12 ins. in ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face, raise a mound of rocks 3 ft. base $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
- 43.00 Bank of ravine 100 feet deep, course E.
- 48.00 Across ravine.
- 75.00 Gulch 100 links wide, course S.E.
- 80.00 Set rock 12x8x6 ins. 8 ins. in ground for cor. of secs. 16, 17, 20, and 21 marked 4 notches on E. 3 notches on S. edges, raise a mound of rocks 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
Land, mountainous
Soil, rocky
Mountainous land, 80.00 chs.

SUBDIVISION TOWNSHIP 3 NORTH, RANGE 14 WEST, S.B.M.

June 19, At 2 h. 0 m. p.m., l.m.t., Set off $34^{\circ}20'$ on lat. arc,
 $23^{\circ}26'$ N. on decl. arc, and determine a true meridian with
the solar at the cor. of secs. 16, 17, 20 and 21.
I run, thence
N. $89^{\circ}47'$ E. on random line bet. secs. 16 and 21.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.10 Intersect N. and S. line 18 lks. N. of cor. of secs. 15, 16,
21 and 22. --- Thence, I run
South $89^{\circ}55'$ W. on true line bet. secs. 16 and 21.
Over high ridges and deep canyons.
- 7.00 Ridge, course N. and S.
- 13.00 Gulch 10 lks. wide, course S.
- 19.00 Top of spur 300 ft. above gulch.
- 23.00 Gulch, course S.
- 31.00 Spur descending S.
- 40.05 Set rock $14 \times 8 \times 6$ ins. 10 ins. in ground for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ on N. face, raise mound of rocks 2 ft. base, $1\frac{1}{2}$ ft. high N.
of cor.
- 57.40 Top of spur descending S. from which point Russian Oil Derrick
in Sec. 22, bears S. 62° E.
Steadman Oil Derrick bears S. 63° E. about 50.00 chs. dist.
- 80.10 Cor. of secs. 16, 17, 20 and 21
Land, brushy. No timber
Mountainous land, 80.10 chs.

June 19, 1902

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- North $0^{\circ}2'$ W. on true line bet. secs. 16 and 17.
Ascend through brush.
- 13.00 Top of high mountain separating Little Tujunga from Pacoima
Creek 2500 feet above the Creeks. Forest Rangers trail
along summit, course E. and West. Descend
- 38.00 Foot of mountain and Pacoima Creek water 5 links wide,
course W.
- 39.00 Road, course E. and W.
- 40.00 Set a rock $16 \times 10 \times 8$ ins. 12 ins. in ground for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ on W. face, from which a
Cottonwood 30 ins. in diam. bears S. 38° W. 145 lks. dist.
marked $\frac{1}{4}$ S. 17 B T;
An oak tree 30 ins. in diam. bears N. 45° E. 80 lks. dist.,
marked $\frac{1}{4}$ S. 16 B T. raise a mound of rocks 3 ft. base,
2 ft. high W. of cor.
- Joseph Hutchins house bears N.E. about 2.00 chs. dist.
Ascend rough mountain
- 80.00 Set rock $20 \times 12 \times 8$ ins. 15 ins. in ground for cor. of secs. 8, 9,
16 and 17, marked with 4 notches on S. and E. edges raise a
mound of rocks 2 ft base, $1\frac{1}{2}$ ft. high W. of cor.
Pits impracticable. On side of mountain facing S.E.

SUBDIVISION TOWNSHIP 3 NORTH, RANGE 14 WEST, S.B.M.

Oak and sycamore timber along creek
Mountainous land, 80.00 chs.

- 40.00 North 89°55' E. on random line bet. secs. 9 and 16.
Set temp. $\frac{1}{4}$ sec. cor.
- 80.20 Intersect N. and S. line 24 links N. of cor. of secs. 9, 10,
15 and 16. From which I run
North 89°55' W. on true line bet. secs. 9 and 16.
Var, 15°10' E.
- Descend through dense brush.
- 19.00 Leave brush and enter fir timber.
- 40.10 A fir tree 60 ins. in diam. for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S. 9 on
N. 16 on S. sides from which a fir 36 ins. in diam. bears
N. 3°E. 60 links dist. marked $\frac{1}{4}$ S 9 BT.
A white oak 30 ins. in diam. bears S. 3°E. 51 lks.
dist. marked $\frac{1}{4}$ S. 16 B T.
- 68.00 Foot of mountain and Pacoima Creek water 5 links wide.
2000 feet below sec. cor.
Ascend rough mountain
Bert Hutchins house bears S. 52°E. about 22 chs. dist.
- 80.20 Cor. of secs. 8, 9, 16 and 17.
Land, mountainous
Soil rocky.
15 chs. fir timber balance of line covered with brush
Mountainous land 80.20 chs.

- June 21, At 8 H. 0 m.a.m., L.M.T., set off 34°20' on lat.
arc 23°28' N. on decl. arc., and determine a true meridian
with the solar at the cor. of secs. 8, 9, 16 and 17 and
run
Thence,
North 0°2'W. on true line bet. secs. 8 and 9.
Ascend rough mountain
- 30.70 Spur descending S.E.
- 40.00 Set rock 20x15x6 ins. 15 ins. in ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on W. face, raise a mound of rocks 2 ft. base
1 $\frac{1}{2}$ ft. high W. of cor.
Pits impracticable.
On side of mountain facing S.E.
- 52.50 Canyon 50 links wide, course S.E.
- 66.00 Summit of mountain bet. Sand Canyon and Pacoima 2000 feet
above Pacoima Creek, course E. and W. Descend
- 80.00 Set rock 15x10x8 ins. 10 ins. in ground for cor. of secs.
4, 5, 8 and 9 marked with 5 notches on S. and 4 notches on E.
edges; raise mound of rock 3 $\frac{1}{2}$ ft. base 2 $\frac{1}{2}$ ft. high W. of cor.
Pits impracticable.
On small spur descending N.E. into Sand Canyon
Soil, rocky--No timber
Mountainous land, 80.00 chs.

SUBDIVISION TOWNSHIP 3 NORTH, RANGE 14 WEST, S.B.M.

S 89°55' E. on random line bet. secs. 4 and 9

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

80.00 Intersect N. and S. line 30 lks. S. of cor. of secs. 3, 4, 9 and 10--Thence, I run S. 89°52' W. on true line bet. secs. 4 and 9 Ascend.

17.50 Sp~~mn~~ descending S.E. 300 feet above sec.cor.

35.50 The place for $\frac{1}{4}$ sec. cor. will fall in canyon unsuitable for cor.
Set rock 18x12x6 ins. 12 ins. in ground for witness $\frac{1}{4}$ sec. cor. marked W.C. $\frac{1}{4}$ on N. face; raise mound of rocks 3 ft. base, 2 ft. high N. of cor.
On high ridge, course N.E. and S.W. 1500 feet above Pacoima Creek.

40.00 Place for $\frac{1}{4}$ sec. cor. Canyon 20 links wide, course S.W.

47.50 Summit of divide, course N.E. and S.W. Descend

80.00 Cor. of secs. 4, 5, 8 and 9

No timber

Mountainous land 80.00 chs.

June 21, 1902

May 19, At 8 h 0 m. a.m., l.m.t., set off 34°18' on lat. arc, 19°40' N. on decl. arc., and determine a true meridian with the solar at the cor. of secs. 31 and 32 on S. bdy. of Tp. Thence, I run North 0°3' W. on true line bet. secs. 31 and 32. Ascend along W. side of ravine.

40.00 Set an elder post 3 ft. long 3 ins. sq., 24 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S. 31 on W. and 32 on E. face; dig pits 18x18x12 ins. N. and S. of post on line 3 ft. dist; raise a mound of earth $4\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high W. of cor. On high bluff about 75 feet above dry wash which is about 200 lks. E.

74.50 Dry wash, course S. 10° E.

80.00 Set rock 18x10x10 ins. 12 ins. in ground for cor. of secs. 29, 30, 31 and 32, marked with 5 notches on E. and 1 notch on S. edges dig pits 18x18x12 ins. in each sec. $4\frac{1}{2}$ feet from post raise a mound of earth and rock 4 ft. base $1\frac{1}{2}$ ft. high W. of cor. On bench about 25 feet above wash.
No timber
Mountainous land 80.00 chs.

E. on random line bet. secs. 29 and 32.

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

80.00 Intersect N. and S. line 10 links S. of cor. of secs. 28, 29, 32 and 33, from which, I run South 89°56' W. on true line bet. secs. 29 and 32. Over a succession of ridges and dry washes.

13.50 Road, course N. and S.

SUBDIVISION TOWNSHIP 3 NORTH, RANGE 14 WEST, S.B.M.

14.00 Dry wash, course S.
20.00 Low spur, course N. and S.
25.00 Deep wash, course S.
39.50 Ridge, course N. and S.
40.00 Set rock 12x6x6 ins. 8 ins. in ground for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ on N. face, dig pits 18x18x12 ins. E. and W. of rock 3 feet
dist. raise a mound of earth $4\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.
80.00 Cor. of secs. 29, 30, 31 and 32
Soil, rocky
No timber
Mountainous land, 80.00 chains

May 19, 1902.

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North $0^{\circ}3'W.$ on true line bet. secs. 29 and 30.
Ascend through brush.

12.50 Dry wash, course S.W.
30.00 Ridge, course E. and W.
40.00 Set rock 18x12x10 ins. 12 ins. in ground for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ on W. face; raise mound of rocks 3 ft. base, 2 ft. high W. of
cor.
60.00 Ascend rough mountain -- A house bears S. $75^{\circ}W.$ about 30 chs.
dist.
80.00 Set rock 18x10x10 ins. 12 ins. in ground for cor. of secs.
19, 20, 29 and 30, marked with 5 notches on E. and 2 notches
on S. edges, raise a mound of rocks 3 ft. base, 2 ft. high W.
of cor. Pits impracticable.
Land, mountainous
Soil, rocky.
Mountainous land, 80.00 chs.

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North $89^{\circ}56'E.$ on random line bet. secs. 20 and 29.

40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.10 Intersect N. and S. line 20 links N. of cor.
North $89^{\circ}55'W.$ on true line bet. secs. 20 and 29
Ascend through brush.
15.00 Low saddle bet. two high mountains. Descend
40.05 Set a rock 14x12x10 ins. 10 ins. in ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on N. face, raise a mound of rocks $3\frac{1}{2}$ ft. base 2 ft.
high N. of cor. from which Kinsey's house bears S. $18^{\circ}W.$ about
35 chs. dist. Pits impracticable.
On spur descending S.W.
50.00 Gulch, course S. Ascend rough mountain
74.00 Top of spur 500 feet above gulch, descending S.
80.10 Cor. of secs. 19, 20, 29 and 30
Land, mountainous

SUBDIVISION TOWNSHIP 3 NORTH, RANGE 14 WEST, S.B.M.

Soil, rocky.
Mountainous land, 80.10 chs.

June 22, 1902

June 23, At 8 h. 0 m. a.m. l.m.t., I set off 34°20' on lat. arc. 23°27' N. of decl. arc., and determine a true meridian with the solar at the cor. of secs. 19, 20, 29, and 30 --
Thence, I run
North, 0°3' W. on true line bet. secs. 19 and 20.
Ascend.

- 15.00 Top of ridge, course E. and W. 500 ft. above sec. cor.
25.00 Commence to descend.
40.00 Set rock 18x10x8 ins. 12 ins. in ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face, raise a mound of rocks 3 ft. base, 2 ft. high W. of cor. Pits impracticable.
46.50 Gulch 50 links wide, course S.W.
59.00 Forest rangers trail on summit of mountain, course E. & W.
Descend through dense brush.
80.00 An Oak tree 10 ins. in diam. for cor. of secs. 17, 18, 19 & 20, I mark T 3 N S 17 on N.E.
R 14 W S 20 on S.E.
S 19 on S.W.
S 18 on N.W. sides with 3 notches on S. and 5 notches on E. sides, from which
An oak 10 ins. in diam. bears N. 20°W. 10 links dist.
marked T 3 N R 14 W S 18 B T
An oak 10 ins. in diam. bears S. 45°W. 7 links dist.
marked T 3 N R 14 W S 19 B T.
An oak 4 ins. in diam. bears S. 35°E. 8 links dist.,
marked T 3 N R 14 W S 20 B T
An oak 3 ins. in diam. bears N. 80°E. 12 links dist.
marked T 3 N R 14 W S 17 B T

Land, mountainous and covered with brush
Soil, rocky
Mountainous land 80.00 chs.

S. 89°55' E. on random line bet. secs. 17 and 20.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.90 Intersect E. and W. line 30 links S. of cor. of secs. 16, 17, 20 and 21-- from which I run
South 89°52' W. on true line bet. secs. 17 and 20
Ascend through dense brush.
14.00 Forest rangers trail on summit of mountain, course N. and S. --
Thence along N. slope of mountain.
39.95 A white oak 10 ins. in diam. for $\frac{1}{4}$ sec. cor. I mark $\frac{1}{4}$ S. 17 on N. 20 on S. sides, from which

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A white oak 8 ins. in diam. bears N. 1°E. 10 links
dist., marked $\frac{1}{4}$ S 17 B T

A white oak 14 ins. in diam. bears S. 88°E. 15 links
dist. marked $\frac{1}{4}$ S 20 B T

79.90 Cor. of secs. 17, 18, 19 and 20.
Land covered with rocks and brush
Mountainous land 79.90 chs.

June 23, 1902.

June 24, At 8 h. 0 m. a.m., l.m.t., set off 34°22' on lat.
arc, 23°27' N. on decl. arc., and determine a true meridian
at the cor. of secs. 17, 18, 19 and 20, from which I run,
North 0°3'W. on true line bet. secs. 17 and 18.

Descend through brush.

17.00 Timbered ravine 200 links wide, course W. Ascend
40.00 The place for $\frac{1}{4}$ sec. cor. being unsuitable for cor. I pro-
ceed along line.
47.00 Set rock 20x8x8 ins. 15 ins. in ground for witness $\frac{1}{4}$ sec.
cor. marked W.C. $\frac{1}{4}$ on W. side, raise mound of rocks 4 ft.
base, 3 ft. high W. of cor. Pits impracticable.
On top of ridge, course E and W.
69.00 Pacoima Creek water 5 links wide, course west 1500 feet
below summit of mountain.
69.50 Road course E. and W. Ascend
80.00 Set Cottonwood post 3 ft. long 3 ins.sq., 24 ins. in the
ground for cor. of secs. 7, 8, 17 and 18, marked
T 3 N S 8 on N.E.
R 14 W S 17 on S.E.
S 18 on S.W.
S 7 on N.W. faces with 4 notches on S. and 5 notches
on E. edges.
I dig pits 18x18x12 ins. in each sec. 5 $\frac{1}{2}$ feet dist. raise
mound of earth 4 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.
Land, mountainous and covered with brush.
Oak timber in ravine and along Pacoima Creek
Mountainous land 80.00 chs.

North 89°52' E. on random line bet. secs. 8 and 17.

40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.15 Intersect N. and S. line 16 links S. of cor. of secs.
8, 9, 16 and 17. Thence I run
S. 89°45' W. on true line bet. secs. 8 and 17.
Along S. slope of rough mountain. Ascend
8.50 Spur descending S.
13.50 Canyon 50 links wide, course S.

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- 39.00 Spur descending S.
- 40.07 Set rock 18x10x8 ins. in ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on N. face, raise mound of rocks 4 ft. base,
3 ft. high N. of cor.
- 64.00 Canyon 50 lks. wide, course S.
- 70.00 Spur descending S.
- 80.15 Cor. of secs. 7, 8, 17 and 18.
Land, mountainous
Soil, rocky.
Mountainous land, 80.15 chs.

June 24, 1902.

June 27, At 9 h. 0 m. a.m., l.m.t., I set off $34^{\circ}22'$ on lat.
arc, $23^{\circ}22'$ N. on decl. arc, and determine a true meridian
at the cor. of secs. 7, 8, 17 and 18.

Thence, I run

North, $0^{\circ}3'$ W. on true line bet. secs. 7 and 8.

Ascend rough mountain.

- 40.00 Set rock 14x8x6 ins. 10 ins. in ground for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ on W. face, raise a mound of 4 ft. base, 3 ft. high W. of
cor.
- 48.00 Summit of mountain, course E. and W.
- 78.00 The place for cor. will fall on steep slide, erect witness
cor. at this point.
Set rock 16x10x8 ins. 10 ins. in ground for witness cor. for
secs. 5, 6, 7 and 8 marked W.C. on N.E. face, 5 notches on E.
and 5 notches on S. edges, raise a mound of rock 4 ft. base,
 $2\frac{1}{2}$ ft. high W. of cor.
Pits impracticable. On rocky point facing N.
- 80.00 Place for sec. cor.
Soil rocky.
Mountainous land 80.00 chs.

North $89^{\circ}45'$ E. on random line bet. secs. 5 and 8.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.20 Cor. of secs. 4, 5, 8 and 9— Thence, I run
S. $89^{\circ}45'$ W. on true line bet. secs. 5 and 8.
Along N. slope of rough mountain.
- 1.00 Top of ridge descending N.E.
- 36.00 Canyon 50 links wide, course N.
- 40.10 Set rock 18x10x8 ins. 10 ins. in ground for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ on N. face, raise mound of rocks 2 ft. base, $1\frac{1}{2}$ ft. high N.
of cor. Pits impracticable.
- 45.00 Spur descending N.
- 57.00 Canyon 50 links wide, course N.E.

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76.00 Spur descending N.E.

80.20 Place for cor. of secs. 5, 6, 7 and 8.
Soil, rocky.
No timber
Mountainous land 80.20 chs.

June 27, 1902.

S. 89°59' W. on random line bet. secs. 30 and 31.

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

83.25 To a point 33 lks S. of cor. of secs. 25, 30, 31 and 36, set by
Deputy M.G. Wheeler, 1874, marked and witnessed as described
by the surveyor general.

91.25 Intersect W. bdy. of San Gabriel Forest reserve as surveyed
by Deputy L.S. Cutting at a point from which cor. of secs.
25, 30, 31 and 36, bears N. 750 lks. dist. making such an un-
expected misollosure I retrace the line intended for W. bdry.
of San Gabriel Forest Reserve from Cutting's cor. of secs.
25, 30, 31, 36.
S. 0°10' E. on random line bet. secs. 31 and 36,

40.00 $\frac{1}{4}$ sec. cor. marked and witnessed as described by the surveyor
general. From $\frac{1}{4}$ sec. cor.
S. 0°10' E. on random line.

47.70 Intersect S. bdy. of Tp. at a point from which the place for
Tp. cor. bears E. 705 lks. dist. from which, I run
N. 8°34' W. on true line
Va. 15°10' E.

48.24 $\frac{1}{4}$ sec. cor.
Mountainous land 88.24 chs.

In order to determine whether other corners are on this line
or not, I return to the cor. of secs. 25, 30, 31 and 36
and run N. 0°10' W.

40.00 $\frac{1}{4}$ sec. cor. marked and witnessed as described by the surveyor
general

80.00 Cor. of secs. 19, 24, 25 and 30, marked and witnessed as des-
cribed by the surveyor general.
Evidently there is an error in this line and I drop the work
at this point to await further instructions from the surveyor
general, I dispense with the services of Lucius D. West, and
Ferdinand West as chainman.

No officer authorized to administer oaths other than myself
being available, without great inconvenience and expense, I
administer the required final oaths.

May 20, 1902.

SUBDIVISION OF TOWNSHIP 3 NORTH, RANGE 14 WEST, S.B.M.

By letter of June 26, 1902, I am instructed to re-survey and re-establish range line bet. Tp. 3 N., Rs. 14 and 15 according to Manual of Instructions as originally established by Deputy Surveyor M.G. Wheeler and H.J. Stevenson, and to remove the monuments of the S.G. Forest Reserve as established by Deputy Cutting to their proper places beside the corners I shall establish.

I return to the end of my random line bet. secs. 30 & 31, which at 83.25 chs. intersected range line as established by Deputy Wheeler at a point 38 lks. South of cor. of secs. 25, 30, 31 and 36 as heretofore described.

Thence, I run

S. 89°45' E. on true line bet. secs. 30 and 31.

0.50	Top of ridge course N. and S.	Descend
12.75	Road in bottom of canyon, course N. and S. canyon, course S.	
25.50	Ridge, course N. & S.	
38.25	Gully 10 lks. wide, course S.	
43.25	Set a rock 16 x 10 x 6 ins. 10 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face, dig pits 18 x 18 x 12 ins. on line E. and W. of rock 3 ft. dist. raise a mound of rock 3 ft. base 2 ft. high N. of cor.	
44.75	Ridge, course N. and S.	
50.00	Canyon 50 lks wide, course S. ascend.	
64.60	Top of high ridge near its S. end. Descend	
81.00	Dry wash, course S.	
83.25	Cor. of secs. 29, 30, 31 and 32 Land, mountainous Soil, 4th rate. No timber Mountainous land 83.25 chs.	

July 12, 1902

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July 13, At 8 h. 0 m. a.m., l.m.t., I set off 34°20' on lat. arc. and 21°55' N. on the decl. arc, and determine a true meridian with the solar at the cor. of secs. 19, 20, 29 and 30.

Thence, I run

N. 89°45' W. on random line bet. secs. 19 and 30.

40.00	Set temp. $\frac{1}{4}$ sec. cor.	
83.00	Intersect range 5 lks. N. of cor. to secs. 19, 24, 25 and 30. Thence, I run S. 89°47' E. on true line bet. secs. 19 and 30. Ascend through brush.	
43.00	Set a rock 18 x 12 x 8 ins. 12 ins. in ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face, raise a mound of rocks 3 ft. base 2 ft. high N. of cor. Pits impracticable.	
55.00	Spur descending S.	

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- 61.00 Gully 10 lks. wide, course S.
73.00 Spur descending S. 1000 feet above sec. cor.
81.00 Deep rocky gulch, 300 ft. below top of spur.
83.00 Cor. to secs. 19, 20, 29 and 30.
Land, mountainous and covered with rocks and brush
Mountainous land 83.00 chs.

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From cor. to secs. 17, 18, 19 & 20
West on true line bet. secs. 18 and 19
Through dense brush along N. slope of mountain.

- 40.00 Set a rock 14x12x4 ins. 10 ins. in ground for $\frac{1}{4}$ sec.cor. marked $\frac{1}{4}$ on N. face, raise a mound of rocks $3\frac{1}{2}$ ft. base, 2 ft. high N. of cor. Pits impracticable.
45.00 Leave brush and commence to descend precipitous side of Pacoima Canyon.
72.75 Pacoima Creek water 5 lks. wide 1500 ft. below $\frac{1}{4}$ sec.cor. course S.
73.25 Road, course N. and S. Ascend rough and steep mountain.
85.90 Intersect range line at a point from which witness cor. to secs. 13 and 24 bears S. 2°E. 14.25 chs. dist.
Set a rock 16x10x8 ins. 10 ins. in ground for closing cor. to secs. 18 and 19, marked C.C. on E. face with 3 grooves on N. and S. faces; raise a mound of rocks 3 ft. base, 2 ft. high E. of cor. Pits impracticable.
Land, mountainous and brushy
Mountainous land 85.90 chs.

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West on true line bet. secs. 7 and 18.
Over a succession of sandstone ridges and through dense brush

- 6.50 Gully 10 lks. wide, course S.
14.75 Canyon 25 lks. wide, course S.
40.00 Set an alder post 3 ft. long 4 ins. sq., 24 ins. in ground for $\frac{1}{4}$ sec.cor. marked $\frac{1}{4}$ S 7 on N. and 18 on S. faces; dig pits 18x18x12 ins. on line E. and W. of post 3 ft. dist. raise a mound of earth $4\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high N. of cor.
50.00 Spur descending S.E.
52.50 Gully, course S.E.
53.50 Spur descending S.E.
56.00 Canyon course S.E. Ascend precipitous side of mountain.
79.00 Top of mountain-- thence along top of ridge, course E. & W.
88.40 Intersect range line at a point from which cor. to secs. 12 and 13, bears N. 2°W. 320 lks. dist.
Set a rock 18x10x6 ins. 12 ins. in ground for closing cor. to secs. 7 and 18 marked C.C. on east face with 2 grooves on N. and 4 grooves on S. faces; raise a mound of rocks 3 ft. base, 2 ft. high E. of cor. -25-

SUBDIVISION TOWNSHIP 3 NORTH, RANGE 14 WEST, S.B.M.

Pits impracticable.
Land, mountainous
Soil, rocky

Covered with brush

Mountainous land 88.40 chs.

July 14 2 h. 0 m. p.m., 1.m.t., I set off 34°23' on lat.
arc, 21°44' N. on decl. arc, and determine a true meridian
with the solar at point for cor. to secs. 5, 6, 7 and 8.

Thence, I run
West, on true line bet. secs. 6 and 7. Ascend

- 9.00 Top of ridge, course N.W. and S.E. A spur from this ridge
branches off at this point in a westerly direction.
Descend along the southerly slope of this spur.
- 40.00 Set a rock 24x6x6 ins. 18 ins. in ground for $\frac{1}{4}$ sec.cor.
marked $\frac{1}{4}$ on N. face; raise a mound of rocks $3\frac{1}{2}$ ft. base,
2 ft. high N. of cor. Pits impracticable.
This cor. is on top of small spur descending S. and about
200 lks. S. of main spur.
- 78.00 Bear Canyon 150 lks. wide, course N.W. 1200 ft. below sec.
cor. A lone fir tree 20 ins. in diam. about 20 ft. N. of
line. Ascend rocky spur.
- 79.00 Top of spur.
- 90.00 Ridge, course N. and S.
- 91.10 Intersect range line at a point from which cor. to secs.
1 and 12 bears N. 2°W. 450 lks. dist.
Set an oak post 3 ft. long 4 ins. sq., 24 ins. in ground for
closing cor. to secs. 6 and 7 marked

C C T 3 N R 14 W on E.

S 6 on N

S 7 on S. faces with 1 groove on N. and 5
grooves on S. faces, dig pits crosswise on
each line N. and S. 3 ft. and E. of post 7 ft.
dist.; raise a mound of earth and rock 4 ft.
base, $1\frac{1}{2}$ ft. high E. of cor.

Soil, rocky.

No timber

Mountainous land 91.10 chs.

July 14, 1902.

NOTE: In addition to what I have surveyed my contract
covers the north tier of secs. of this township and
the S. half of the line bet. secs. 31 and 32, Tp. 4.N.,
R. 14 W.-- These lands are on the top and sides of
a rough unsurveyable mountain nearly 5000 feet high
entirely devoid of agricultural lands. There are no
settlers and as the land is withdrawn from the market
there will be none, therefore, I drop the line at this
point.

SUBDIVISION TOWNSHIP 3 NORTH, RANGE 14 WEST, S.B.M.

DESCRIPTION

This township is rough and very mountainous containing very little agricultural lands. There is a good cropping of graphite in the N.W. part and they are prospecting for oil in 3 places. There is also a limestone quarry in the western part. There is very little timber; what there is consists of oak and fir in the mountains and sycamore and alder along the creeks.

Line Designated	True Bearing	Distance	Latitudes		Departures	
			N.	S.	E.	W.
S.Bdy.Sec.6	East	91.10	Chs.	Chs.	Chs.	Chs.
" " " 5	N.89°45'E.	80.20	.35		80.20	
" " " 4	N.89°52'E.	80.00	.19		80.00	
" " " 3	N. 89°54'E.	79.90	.14		79.90	
" " " 2	S.89°55'E.	80.10		.12	80.10	
" " " 1	N.89°58'E.	80.20	.05		80.20	
E.Bdy.of Tp.	South	400.00		400.00		
S. " " "	West	440.00				440.00
S. " " "	S.89°58'W.	44.65		.02		44.65
W. " " "	N.2°25'E.	39.48	39.44		1.65	
W. " " "	North	120.52	120.52			
W. " " "	N. 2°W.	240.15	240.01			8.39
Convergency			400.70	400.14	493.64	493.04
			400.14		493.04	
Error in Lat.	=		0.56 Err. in Dep. 0.60			