

DEPARTMENT OF THE INTERIOR
OFFICE OF U. S. SURVEYOR-GENERAL

San Francisco, California.

December 14, 1922.

I, John Plover, U.S. Surveyor-General for California,
do hereby certify that the annexed transcript of the field
notes of the South Boundary and the Subdivision Lines of
Township 6 North, Range 13 West, San Bernardino Meridian,
California, is a true and literal exemplification of the
same on file in this office,

IN TESTIMONY WHEREOF I have hereunto subscribed my
name and caused the seal of this office to be affixed on the
day and year above written.

John Plover (Signed)

United States Surveyor-General for California.

(S E A L)

	R.14W.	R.13W.					R.13W.	R.12W.	
	36	31	32	33	34	35	36	31	
1	6 ¹⁶	5 ¹²	4 ¹⁰	3 ⁵	2 ¹	1	6		T.7N. T.6N.
12	7 ¹⁷	8 ¹³	9 ⁹	10 ⁶	11 ²	12	7		
13	18 ¹⁸	17 ¹⁴	16 ¹⁰	15 ⁷	16 ²	13	18		
24	19 ⁵²	20 ⁴⁵	21 ¹¹	22 ⁷	23 ³	24	19		
25	30 ⁴⁸	29 ⁴⁴	28 ⁴⁰	27 ³⁷	26 ³⁴	25	30		
36	31 ²²	32 ²¹	33 ²⁰	34 ¹⁹	35 ¹⁸	36	31		
2	1	6 ⁷⁰	5 ⁷⁰	4 ⁷⁰	3 ⁶⁵	2 ⁶⁰	1	6	T.6N. T.5N.

Green = 1874
Brown = 1901

T. 6 N., R. 13 W. San Bernardino Meridian

Subdivisions

Field notes of the subdivisions of Township 6 N. R.13 West of the San Bernardino Meridian, Cal. according to survey made by Ralph W. Norris, Deputy Surveyor under Contract dated 23rd of December 1854.

The South Boundary of this Township not being established or any portion of the same

I therefore commence the subdivision at the corner to Secs. 1, 2, 35 & 36 on the North Boundary of the Township I run

South between Secs. 1 & 2

Var. $14^{\circ} 12'$ E.

40.00 Set a post charred & chalked for $\frac{1}{4}$ sec. corner & raised mound with trench & pits as per instructions

80.00 Set a post charred, chalked & notched for corner to Secs.1, 2, 11 & 12, & raised a mound with trench and pits as per instructions.

Land level. Soil 2nd rate.

Good for grazing growth grass.

East on a random on line between Secs. 1 & 12

Var. $14^{\circ} 12'$ E.

40.00 Set a post for temporary $\frac{1}{4}$ sec. corner

80.00 Intersect the E. boundary of the Township 4 lks. S. of corner to Secs. 1 & 12 from which corner I run

West on a true line between Secs. 1 & 12

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

40.00 Set a post charred & chalked for $\frac{1}{4}$ sec. corner & raised mound with trench & pits as per instructions

80.00 The corner to Secs. 1, 2, 11 & 12.

Land level. Soil 2nd rate good grazing.

Growth Grass.

Chs.lks T. 6 N., R. 13 W., San Bernardino Meridian

South Between Sec. 11 & 12

Var. 14° 12' E.

40.00 Set a post charred & chalked for $\frac{1}{4}$ sec. corner & raised a mound with trench & pits as per instructions.

80.00 Set a post charred, chalked and notched for the corner to Secs. 11, 12, 13 & 14, & raised a mound with trench & pits as per instructions.

Land gently rolling. 2nd rate.

Growth a few scattering cedars.

Good grass.

East on a random line between Secs. 12 & 13.

Var. 14° 12' E.

40.00 Set a post for temporary $\frac{1}{4}$ sec. corner

79.80 Intersect the E. boundary of the Township 12 lks. N. of the corner to Secs. 12 & 13 from which corner I run

West on a true line between Sec. 12 & 13.

Var. 14° 07' E.

39.90 Set a post charred, chalked for $\frac{1}{4}$ sec. corner & raised a mound with trench & pits as per instns.

79.80 The corner to Secs. 11, 12, 13 & 14.

Land slightly rolling 2nd rate.

Good for grazing.

Growth a few scattering cedars & grass.

South Between Secs. 13 & 14

Var. 14° 12' E.

1.50 Foot of mountain and ascend

(Mt. bears N. 75 E.)

40.00 Set a post charred & chalked for $\frac{1}{4}$ sec. corner & made a mound with trench & pits as per instns.

42.50 Summit of mountain & descend southern slope

80.00 Set a post charred, chalked & notched for corner to Secs. 13, 14, 23 & 24, & raised a mound of earth with trench

Chs.Lks. T.6 N., R. 13 W. San Bernardino Meridian

& pits as per instructions

Land mountainous & broken 3rd rate

Growth scattering oak scrub

East on Random between Secs. 13 & 24

Var. 14° 12' E.

40.00 Set a post for temporary $\frac{1}{4}$ sec. corner

79.90 Intersect the E. Boundary of the Township 20 lks. N. of
corner to Secs. 13 & 24, from which corner I run

West on a true line between Secs. 13 & 24

Var. 14° 03' E.

39.95 Set a post charred & chalked for $\frac{1}{4}$ sec. corner &
raised a mound with trench & pits as per instructions.

79.90 The corner to Secs. 13, 14, 23 & 24.

Land mountainous. Soil 3rd rate.

Growth scattering scrub.

South Between Secs. 23 & 24

Var. 14° 12' E.

40.00 Set a post charred & chalked for $\frac{1}{4}$ sec. corner & raised
a mound with trench & pits as per instructions

42.00 Foot of mountain (bears N.66 W.) and enter valley.

43.00 To the Road from Lake Elizabeth to Cajon Pass, course
S. 66 East.

46.00 Foot of broken hills bears N. 70 W.

80.00 Set a post charred & chalked for corner to Secs. 23, 24
25 & 26 & raised a mound with trench & pits as per
instructions.

Land mostly mountainous and broken hills.

Growth scrub grass in valley.

East on random line between Secs. 24 & 25.

Var. 14° 12' E.

40.00 Set a post for temporary $\frac{1}{4}$ sec. corner.

Obs.lks. T. 6 N. R. 13 W., San Bernardino Meridian

60.00 Smooth open crescent.

80.14 Intersect the E. boundary of the Township 5 lks. S.
of corner to Secs. 24 & 25.
from which corner I run

West on a true line between Secs. 24 & 25.

Var. 14° 14' E.

40.07 Set a charred & chalked post for $\frac{1}{4}$ sec. corner &
raised a mound with trench & pits as per insts.

80.14 To post corner to Secs. 23, 24, 25 & 26.

Land hilly & 3rd rate.

Growth scattering scrub etc.

South Between Secs. 25 & 26.

Var. 14° 12' E.

15.00 Abrupt Canon course N. 56 E.

40.00 Set a post charred & chalked for $\frac{1}{4}$ sec. corner & raised
a mound with trench & pits as per instns.

80.00 Set a post charred & chalked, for corner to Secs. 25, 26,
35 & 36, and raised a mound with trench & pits as per
instructions.

Land broken Hills 3rd rate.

Growth scrub.

East on a Random line between Secs. 25 & 36.

Var. 14° 12' E.

40.00 Set a post for temporary $\frac{1}{4}$ sec. corner.

66.00 Foot of hills & enter valley.

80.30 Intersect the E. boundary of the Township 20 lks.
S. of corner to Secs. 25 & 36 from which corner I run

West on a true line between Secs. 25 & 36.

Var. 14° 13' E.

40.15 Set a post, charred & chalked for the $\frac{1}{4}$ sec. corner.

Chs.lks. T. 6 N., R. 13 W. San Bernardino Meridian.

& raised a mound with trench & pits as per instructions
80.30 The corner to Secs. 25, 26, 35 & 36.
Land mostly broken hills & 3rd rate.
In valley 2nd rate
Growth scrub on hills. Grass in valley.

South Between Secs. 35 & 36.

Var. 14° 12' E.

12.00 Beginning of descent.
40.00 Set a post charred & chalked for $\frac{1}{4}$ sec. corner & raised
a mound with trench pits as per instructions.
43.00 Foot of hills and enter valley bears N. 87 E.
63.00 Foot of coast range of mountains.
Here I find that it is not practicable to proceed fur-
ther with line owing to the abrupt surface of the mountain
I therefore set a witness post from which
A scrub oak 4 inch diameter bears S. 28 $\frac{1}{2}$ W. 15 lks.
distant & raised a mound with trench & pits as per in-
structions.
Land in valley level & 1st rate.
On hills 3rd rate.
Growth scrub on hills. Grass in valley.

South Between Secs. 2 & 3.

Var. 14° 12' E.

40.00 Set a post charred & chalked for $\frac{1}{4}$ sec. corner & raised
a mound with trench & pits as per instructions.
80.00 Set a post charred & chalked & notched for a corner to
Secs. 2, 3, 10 & 11 & raised a mound with trench & pits
as per instructions.
Land slightly rolling 2nd rate.
Good grazing growth grass & weeds.

East On a random line between Secs. 2 & 11.

Obs.lks. T. 6 N., R. 13 W. San Bernardino Meridian.

Var. 14° 12' E.

40.00 Set a post for temporary $\frac{1}{4}$ sec. corner.
79.56 Intersect N & S line 35 lks. N. of corner.
to Secs. 1, 2, 11 & 12, from which I run
West On true line between Secs. 2 & 11.

Var. 13° 57' E.

39.78 Set a post charred & chalked for $\frac{1}{4}$ sec. corner & raised
a mound with trench & pits as per instructions.
79.56 The corner to Secs. 2, 3, 10 & 11.
Land gently rolling. Sandy soil 2nd rate.
Good grazing. Growth grass.

South Between Secs. 10 & 11.

Var. 14° 12' E.

30.00 To foot of mountain bears N. 68° W.
40.00 Set a post charred & chalked for $\frac{1}{4}$ sec. corner & raised
a mound with trench & pits as per instructions.
80.00 Set a post charred, chalked & notched for the corner
to Secs. 10, 11, 14 & 15, & raised a mound with trench
& pits as per instructions.
Land Northern portion gently rolling 2nd rate.
Southern mountainous & broken 3rd rate.
Growth in valley grass. On mountains scattering scrub.

East On a random line between Secs. 11 & 14.

Var. 14° 12' E.

40.00 Set a post for temporary $\frac{1}{4}$ sec. corner.
67.00 To foot of mountain bears N. 70° W. and enter valley.
79.78 Intersect N. & S. line at post corner to Secs. 11, 12,
13 & 14, from which corner I run

West On a true line between Secs. 11 & 14.

Var. 14° 12' E.

39.89 Set a post charred & chalked for $\frac{1}{4}$ sec. corner & raised

Obs.lks. T. 6 N., R. 13 W. San Bernardino Meridian

a mound with trench & pits as per instns.

79.75 The corner to Secs. 10, 11, 14 & 15.

Land mountainous & broken 3rd rate.

Growth a few scattering cedars & scrub.

South between Secs. 14 & 15.

Var. 14° 12' E.

40.00 Set a post charred, & chalked for $\frac{1}{4}$ sec. corner &
raised a mound with trench & pits as per instructions

60.00 Summit of mountain bears N. 64 W. & descend.

75.00 Foot of mountain. Enter valley bears N. 60 W.

80.00 Set a post charred & chalked, & notched for the corner
to Secs. 14, 15, 22 & 23, & raised a mound with trench
pits as per instructions.

Land mostly mountainous 3rd rate.

In valley 1st rate. Growth scrub.

In valley grass.

East on random line between Secs. 14 & 23.

Var. 14° 12' E.

3.00 To foot of mountain, bears N. 62 W. ascend.

40.00 Set a post for temporary $\frac{1}{4}$ sec. corner.

80.00 Intersect N. & S. line 30 lks. N. of corner to Secs. 13,
14, 23 & 24, from which corner I run

West on a true line between Secs. 14 & 23

Var. 13° 59' E.

40.00 Set a post charred & chalked for $\frac{1}{4}$ sec. corner &
raised a mound with trench & pits as per instns.

80.00 The corner to Secs. 14 & 15, 22 & 23.

Land mountainous & broken 3rd rate.

Growth some scattering cedar & scrub.

South Between Secs. 22 & 23.

Var. 14° 12' E.

5.00 To foot of hills bears N. 46 W.

Chs. Lks. T. 6 N., R. 13 W. San Bernardino Meridian.

- 17.00 To opposite foot of hills bears N. 50 W.
21.00 To road from Lake Elizabeth to Cajon Pass course N. 60 W.
26.00 To foot of mountain bears N. 60 W.
40.00 Set a post charred & chalked for $\frac{1}{4}$ sec. corner &
raised a mound with trench & pits as per instns.
80.00 Set a post charred, chalked & notched for corner to
Secs. 22, 23, 26 & 27, and raised a mound with trench
& pits as per instructions.
Land southern portion mountainous and 3rd rate.
Remainder 1st rate.
Scrub on mountains. Grass in valley.
-

East on a random line between Secs. 23 & 24.

Var. 14° 12' E.

- 40.00 Set a post for temporary $\frac{1}{4}$ sec. corner
80.20 Intersect N. & S. line 60 lks. S. of post corner to
Secs. 23, 24, 25 & 26, from which corner I run
-

West on a true line between Secs. 23 & 24

Var. 14° 38' E.

- 40.10 Set a post charred & chalked for $\frac{1}{4}$ sec. corner &
raised a mound with trench & pits as per instructions
80.20 The corner to Secs. 22, 23, 26 & 27.
Land mountainous & 3rd rate.
Growth of various kinds of scrub.
-

South Between Secs. 26 & 27

Var. 14° 12' E.

- 3.00 Set a post charred & chalked for witness corner &
raised a mound of stone as per instructions here find
that it is not practicable to proceed further owing to
the abruptness of the mountains.
-

South Between Secs. 3 & 4.

Chs.lks. T. 6 N., R. 13 W. San Bernardino Meridian.

Var. 14° 12' E.

40.00 Set a post charred & chalked for $\frac{1}{4}$ sec. corner &
raised a mound with trench & pits as per instructions.

75.00 Foot of mountain bears N. 65 W. and ascend

80.00 Set a post charred, chalked & notched for corner to
Secs. 3, 4, 9 & 10 & raised a mound with trench & pits
as per instructions.

Land gently rolling. Soil 2nd rate.

Growth grass good for grazing purposes.

East on a random line between Secs. 3 & 10

Var. 14° 12' E.

13.50 Foot of mountain & enter valley bears N. 65 W.

40.00 Set a post charred & chalked for $\frac{1}{4}$ sec. temporary corner

80.00 Intersect N. & S. line at corner to Secs. 2, 3, 10 & 11,
from which corner I run

West On a true line between Secs. 3 & 10.

Var. 14° 12' E.

40.00 Set a charred & chalked post for $\frac{1}{4}$ sec. corner &
raised a mound with trench & pits, as per instructions.

80.00 The corner to Secs. 3, 4, 9 & 10.

Land slightly rolling. Soil 2nd rate.

Growth mostly grass & grazing good.

South Between Secs. 9 & 10.

Var. 14° 12' E.

40.00 Set a post charred & chalked for $\frac{1}{4}$ sec. corner & raised
a mound with trench & pits as per instns.

65.00 Summit of mountain bears N. 65 W. & descend.

80.00 Set a post charred, chalked & notched for corner to Secs.
9, 10, 15 & 16, & raised a mound with trench & pits as per instns.
Land mountainous & broken, 3rd rate.
Growth scrub &c.

Chs. lks. T. 6 N., R. 13 W. San Bernardino Meridian.

East on a random line between Secs. 10 & 15.

Var. 14° 12' E.

40.00 Set a post for temporary $\frac{1}{4}$ sec. corner.

67.00 Summit of mountain, bears N. 70° W. and descend.

80.40 Intersect N. & S. line 20 lks. S. of corner to Secs.
10, 11, 14 & 15, from which corner I run

West on a true line between Secs. 10 & 15.

Var. 14° 12' E.

40.20 Set a post charred & chalked for $\frac{1}{4}$ sec. corner &
raised a mound with trench & pits, as per instructions

80.40 The corner to Secs. 9, 10, 15 & 16.

Land mountainous and broken 3rd rate.

Growth scattering scrub.

South Between Secs. 15 & 16.

Var. 14° 12' E.

40.00 Set a post charred & chalked for $\frac{1}{4}$ sec. corner &
raised a mound with trench & pits as per instructions.
(mound of stone).

45.00 Foot of mountain & enter valley bears N. 75 W.

69.00 To the Road leading from Lake Elizabeth to Cajon Pass

80.00 Set a post charred, chalked & notched for corner to
Secs. 15, 16, 21 & 22, & raised a mound with trench &
pits as per instructions.

Land in mountains broken 3rd rate.

In valley slightly rolling & 1st rate.

Good for farming.

Growth on mountains scrub. In valley grass.

East on a random line between Secs. 15 & 22.

Var. 14° 12' E.

26.50 To the road from Lake Elizabeth to Cajon Pass bears
N. 68° W. & S. 68° E.

Obs.lks. T. 6 N., R. 13 W. San Bernardino Meridian.

40.00 Set a post for temporary $\frac{1}{4}$ sec. corner.

80.16 Intersect N. & S. line 50 lks. S. of corner to
Secs. 14, 15, 22 & 23, from which corner I run

West on a true line between Secs. 15 & 22.

Var. 14° 23' E.

40.08 Set a post charred & chalked for $\frac{1}{4}$ sec. corner & raised
a mound with trench & pits as per instructions.

80.16 The corner to Secs. 15, 16, 21 and 22.

Land good for farming purposes gently rolling 1st rate.
Growth scattering willows & grass.

South Between Secs. 21 & 22

Var. 14° 12' E.

40.00 Set a post charred & chalked for $\frac{1}{4}$ sec. corner &
raised a mound with trench & pits as per instructions.

45.00 To foot of mountain bears E. & W.

Descend.

50.00 Enter dense growth of oak scrub.

80.00 Set a post charred, chalked & notched for corner to Secs.
21, 22, 27 & 28, & raised a mound of earth and stone
with trench & pits as per instns.

Land in valley rolling soil black & 1st rate.

On mountain broken soil, 3rd rate.

Growth in valley grass on mountain oak scrub.

East On a random line between Secs. 22 & 27.

Var. 14° 12' E.

11.00 Rough and precipitous hills.

40.00 Set a post for temporary $\frac{1}{4}$ sec. corner.

80.66 Intersect N. & S. line 80 lks. S. of corner to Secs.
22, 23, 26 & 27, from which corner I run

West On a true line between Secs. 22 & 27.

Var. 14° 46' E.

Chs.lks.

T. 6 N., R. 13 W. San Bernardino Meridian.

69.66 Set a post charred & chalked for witness corner & raised a mound of earth & stone as per instructions from which a
Dogwood 3 inch diam. bears N. 65 W. 22 lks.
I found that it was not practicable to establish the $\frac{1}{4}$ sec. corner at 40.32 chs. owing to the rough and precipitous nature of the ground

80.66 The corner to Secs. 21, 22, 27 & 28.
Land mountainous and very broken.
Growth oak scrub & scattering dogwood.

South Between Sec. 27 & 28.

Var. 14° 12' E.

3.50 Rough and precipitous mountain here. I set a post charred & chalked for witness corner & raised a mound with trench & pits as per instructions.
Land mountainous, 3rd rate.
I find that it is not practicable to proceed further owing to the abruptness of the mountains.
Therefore I return to the North boundary of the Township & run

South Between Secs. 4 & 5.

Var. 14° 12' E.

21.50 To foot of mountain bears N. 75 W. Ascend.
40.00 Set a post charred & chalked for $\frac{1}{4}$ sec. corner & raised a mound with trench & pits as per instructions.
80.00 Set a post charred & chalked for corner to Secs. 4, 5, 8 & 9, & raised a mound with trench & pits as per instructions.
Land mostly mountainous 3rd rate.
Growth a few scattering cedars &c.

East On a random line between Secs. 4 & 9.

Obs.lks. T. 6 N., R. 13 W., San Bernardino Meridian.
Var. 14° 12' E.

- 40.00 Set a post for temporary $\frac{1}{4}$ sec. corner.
80.26 Intersect N. & S. line 20 lks. N. of corner to Secs. 3,
4, 9 & 10, from which corner I run
-

West On true line between Secs. 4 & 9

Var. 14° 03' E.

- 40.13 Set a post charred & chalked for $\frac{1}{4}$ sec. corner & raised
a mound with trench & pits as per instns.
80.26 The corner to Secs. 4, 5, 8 & 9.
Land mountainous & very broken.
3rd rate Growth scattering cedars & scrub.
-

South Between Secs. 8 & 9.

Var. 14° 12' E.

- 21.00 To summit of mountain bears N. 70° W. and descend.
40.00 Set a post charred & chalked for $\frac{1}{4}$ sec. corner & raised
a mound with trench & pits as per instructions.
80.00 Set a post charred, chalked & notched for corner to Secs.
8, 9, 16 & 17, & raised a mound with trench & pits as
per instructions.
Land mountainous & broken 3rd rate.
Growth scattering cedars & scrub.
-

East On a random line between Secs. 9 & 16.

Var. 14° 12' E.

- 40.00 Set a post for temporary $\frac{1}{4}$ sec. corner.
80.26 Intersect N. & S. line 40 lks. S. of corner to Secs. 9,
10, 15 and 16, from which corner I run
-

West On a true line between Secs. 9 & 16.

Var. 14° 29' E.

- 40.13 Set a post charred & chalked for $\frac{1}{4}$ sec. corner & raised
a mound with trench & pits as per instns.
80.26 The corner to Secs. 8, 9, 16 & 17.
Land broken & mountainous 3rd rate.
Growth scrub & scattering cedars.

Chs.lks. T. 6 N., R. 13 W. San Bernardino Meridian.

South between Secs. 16 & 17.

Var. 14° 12' E.

- 27.00 To foot of mountain, & enter valley bears N. 65 W.
39.00 To road from Lake Elizabeth to Cajon Pass bears N. 65 W.
40.00 Set a post, charred & chalked for $\frac{1}{4}$ sec. corner & raised
a mound with trench & pits as per instns.
50.00 Set a post charred, chalked & notched for corner to
Secs. 16, 17, 20 & 21, & raised a mound with trench &
pits as per instructions.

Land slightly rolling valley.

Good for farming purposes on mountain broken 3rd rate
Growth in valley heavy grass on mountain scrub.

East On a random line between Sec. 16 & 21.

Var. 14° 12' E.

- 40.00 Set a post for temporary $\frac{1}{4}$ sec. cor.
79.76 Intersect N. & S. line at corner to Secs. 15, 16, 21 &
22, from which corner I run

West on a true line between Secs. 16 & 21.

Var. 14° 12' E.

- 39.55 Set a post charred & chalked for $\frac{1}{4}$ sec. corner &
raised a mound with trench & pits as per instructions.
79.76 The corner to Secs. 16, 17, 20 & 21.
Land gently rolling black rich soil.
1st rate. Heavy growth of grass, some scattering
willows.

South Between Secs. 20 & 21.

Var. 14° 12' E.

- 40.00 Set a post charred & chalked for $\frac{1}{4}$ sec. corner &
raised a mound with trench & pits as per instns.
50.00 Set a post charred, chalked & notched for corner to

Obs.lks. T.6 N., R. 13 W. San Bernardino Meridian.
Secs. 20, 21, 29 & 28, & raised a mound with trench
& pits as per instructions.
Land gently rolling good soil.
Growth scattering willows and grass.

East on a random line between Secs. 21 & 28.

Var. 14° 12' E.

10.00 To foot of mountain & ascend along the N. side bears
S. 79 W.

40.00 Set a post charred & chalked for temporary $\frac{1}{4}$ sec. corner

80.00 Intersect N. & S. line 20 lks. S. of corner to Secs. 21,
22, 27 & 28, from which corner I run

West on a true line between Secs. 21 & 28

Var. 14° 21' E.

40.00 Set a post charred & chalked for $\frac{1}{4}$ sec. corner &
raised a mound with trench & pits as per instructions

80.00 The corner to Secs. 20, 21, 28 & 29

Land mountainous & broken 3rd rate.

With a heavy growth of scrub.

South between Secs. 28 & 29

Var. 14° 12' E.

2.50 To foot of mountain bears S. 80 W. and ascend.

6.70 Not being able to proceed further owing to the abrupt
nature of the mountain, I set a charred & chalked post
for witness corner & raised a mound with trench from which
A dogwood 3 inch diam. bears N. 72 $\frac{1}{2}$ ° W. 37 lks. distant
Land broken 3rd rate.

Heavy growth of scrub.

South Between Secs. 5 & 6

Var. 14° 12' E.

Ascending Northern slope of mountain.

40.00 Set a post charred, & chalked for $\frac{1}{4}$ sec. corner &

Chs.lks. T. 6 N., R. 13 W., San Bernardino Meridian.

raised a mound with trench & pits according to instns.

71.00 Summit of mountain bears N. 70° W. and descend

80.00 Set a post charred, chalked & notched for corner to
Secs. 5, 6, 7 & 8, & raised a mound with trench & pit
as per instructions.

Land broken & mountainous 3rd rate.

Growth mountain scrub.

East on a random line between Secs. 5 & 8.

Var. 14° 12' E.

30.50 Abrupt broken hills.

40.00 Set a post for temporary $\frac{1}{4}$ sec. corner

80.46 Intersect N. & S. line $\frac{3}{4}$ links S. of corner to Secs. 4,
5, 8 & 9, from which corner I run

West on the true line between Secs. 5 & 8.

Var. 14° 27' E.

40.23 Here I find that I cannot establish the $\frac{1}{4}$ sec. corner owing
to the precipitous nature of the ground I proceed to

49.96 Set a post charred & chalked for witness corner &
raised a mound from which a cedar 4 inch diam. bears N.
17 E. 19 lks. distant

80.46 The corner to Secs. 5, 6, 7 & 8

Land abrupt & broken mountains

Growth scattering cedars & scrub

West on a random line between Secs. 6 & 7

Var. 14° 12' E.

40.00 Set temporary $\frac{1}{4}$ sec. corner

77.00 To valley bears N. 72 W.

80.20 Intersect the W. boundary of the Township 40 lks. N.
of corner to Secs. 6 & 7, from which corner I run

East on a true line between Secs. 6 & 7

Chs.lks. T. 6 N., R. 13 W. San Bernardino Meridian.

Var. 14° 29' E.

40.20 Set a post charred & chalked for $\frac{1}{4}$ sec. corner & raised a mound with trench & pits as per instructions.

80.20 The corner to Secs. 5, 6, 7 & 8.

Land broken & mountainous.

Growth scrub & a few cedars.

South between Secs. 7 & 8

Var. 14° 12' E.

40.00 Set a post charred & chalked for $\frac{1}{4}$ sec. corner & raised a mound with trench & pits as per instns.

65.00 To foot of mountain & enter valley bears N. 70 W.

80.00 Set a post charred, chalked & notched for the corner to Secs. 7, 8, 17 & 18 & raised a mound with trench & pits according to instructions.

Land in valley gently rolling 1st rate.

On mountains broken & 3rd rate.

Growth scrub on mountain, in valley heavy growth of grass

East on a random line between Secs. 8 & 17.

Var. 14° 12' E.

40.00 Set a post for temporary $\frac{1}{4}$ sec. corner

79.98 Intersect N. & S. line 40 lks. S. of corner to Secs. 8, 9, 16 & 17, from which corner I run

West on a true line between Secs. 8 & 17

Var. 14° 29' E.

39.99 Set a post charred & chalked for $\frac{1}{4}$ sec. corner & raised a mound with trench & pits as per instns.

79.98 The corner to Secs. 7, 8, 17 & 18.

Land gently rolling hills 1st rate.

Growth grass & weeds.

West on a random line between Secs. 7 & 18.

Obs.lks. T. 6 N., R. 13 W. San Bernardino Meridian.

Var. 14° 12' E.

40.00 Set a post for temporary $\frac{1}{4}$ sec. corner.

80.00 Intersect the W. boundary of the Township 50 lks.
S. of corner to Secs. 7 & 18, from which corner I run

East on a true line between Secs. 7 & 18.

Var. 13° 51' E.

40.00 Set a post charred & chalked for $\frac{1}{4}$ sec. corner & raised
a mound with trench & pits as per instructions.

80.00 The corner to Secs. 7, 8, 17 & 18
Land rolling hills, black rich soil, 1st rate.
Heavy growth of grass.

South between Secs. 17 & 18.

Var. 14° 12' E.

8.00 To the road from Lake Elizabeth to Cajon Pass bears
N. 80° W.

40.00 Set a post charred & chalked for the $\frac{1}{4}$ sec. corner &
raised a mound with trench & pits as per instructions.

60.00 To foot of mountain bears N. 85° W. and descend.

80.00 Set a post, charred, chalked & notched for corner to
Secs. 17, 18, 19 & 20 & raised a mound with trench &
pits as per instructions.
Land undulating 1st rate good grazing and farming land.

East on a random line between Secs. 17 & 20.

Var. 14° 12' E.

22.00 To valley bears N. 80 W.

40.00 Set a post for temporary $\frac{1}{4}$ sec. corner.

79.80 Intersect N. & S. line at corner to Secs. 16, 17, 20 &
21, from which corner I run

West on a true line between Secs. 17 & 20.

Var. 14° 12' E.

39.90 Set a post charred & chalked for $\frac{1}{4}$ sec. corner & raised

Chs.lks. T. 6 N., R. 13 W. San Bernardino Meridian.

a mound with trench & pits as per instructions.

79.50 The corner to Secs. 17, 18, 19 & 20.

Land rolling & smooth 1st rate.

Growth grass.

West on a random line between Secs. 18 & 19

Var. 14° 12' E.

5.00 Here I find that it is not practicable to proceed further owing to the abrupt nature of the mountains and a dense growth of scrub, therefore I set a charred & chalked post for witness corner & raise a mound with trench & pits as per instructions.

& return to corner to Secs. 17, 18, 19 & 20.

South between Secs. 19 & 20.

Var. 14° 12' E.

22.00 Set a post charred & chalked for witness corner on the South side of a deep ravine & raised a mound with trench & pits as per instns.

I find that it is not practicable to measure further owing to the rough & broken nature of the ground

General Description

The quality of the land in this Township is considerably above the common average.

There is a fine proportion of rich valley land situate between the low Range of mountains and the high mountains on the Southwest side of the Township.

The hill land is generally good 2nd rate and well adapted to grazing purposes.

Springs of lasting water abound in this Township.

1st. Std. N. on S.E. of T. 6 N., R. 12 W. S.E.M.

From the cor. to Tps. 6 N. bet. Rgs. 12 & 13 W. on 1st Std. line N. I run

West on S.E. of Sec. 36.

1st. Std. N. on S.B. of T. 6 N., R. 12 W., S.B.M.

Var. 14° 25' E.

Along N. slope of mountain.

40.00 Set post 4 in. dia., 1 ft. in earth, 1 ft. above stone
md. 4 ft. in dia. at base by 2 ft. in height for $\frac{1}{4}$ sec.
cor.

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

74.00 Cross gulch 30 lks. wide, co. N.W. & ascend.

80.00 Set post 4 in. sq., 1 ft. in earth 1 ft. above stone
md. 4 $\frac{1}{2}$ ft. in dia. at base by 2 ft. in height for
std. cor. to Secs. 35 & 36.

Land mountainous.

Soil 2d rate.

Timber & undergrowth of oak & cedar.

West on S.B. of Sec. 35

Var. 14° 25' E.

Ascend

21.00 Summit of spur brs. N. & S. & descend.

40.00 Set post 4 in. dia., 1 ft. in earth, 1 ft. above stone
md. 4 ft. in dia. at base by 2 ft. in height for $\frac{1}{4}$ sec.
cor.

60.00 Enter deep canada

63.25 Over same brs. N.E. & S.W. & ascend

80.00 Set post 4 in. sq., 1 ft. in earth, 1 ft. above stone
md. 4 $\frac{1}{2}$ ft. in dia. at base by 2 ft. in height for std.
cor. to Secs. 34 & 35.

Land mountainous.

Soil 2d rate.

Timber & undergrowth oak & cedar

West on S.B. of Sec. 34.

Var. 14° 25' E.

Descend

2.50 Cross gulch 20 lks. wide, co. SE. & ascend.

40.00 Set post 4 in. dia., 1 ft. in earth, 1 ft. above stone

1st. Std. N. on S.B. of T. 6 N., R. 13 W. S.B.M.

md. 4 ft. in dia. at base by 2 ft. in height for $\frac{1}{4}$
sec. cor.

- 66.00 Summit of Divide bet. waters of desert & Santa Clara
- 80.00 Set post 4 in.sq., 1 ft. in earth, 1 ft. above stone
md. $4\frac{1}{2}$ ft.in dia. at base by 2 ft. in height for std.
cor. to Secs. 33 & 34.
Land mountainous. Soil 2d rate.
Timber & undergrowth of oak & cedar
-

West on S.B. of Sec. 33

Var. 14° 25' E.

Descend

- 2.10 Cross near head of gulch co. S.W.
- 8.00 " " " " " " South then along S. slope
of mountain.
- 22.50 Descend into steep canada
- 40.00 Set post 4 in. dia., 1 ft. in earth, 1 ft. above stone
md. 4 ft. in dia. at base by 2 ft. in height for $\frac{1}{4}$
sec. cor.
- 47.50 Cross gulch called Willow Spring co. S.W. & ascend.
- 59.00 Summit of spur & descend.
- 80.00 Set post 4 in. sq., 1 ft. in earth, 1 ft. above
stone md. $4\frac{1}{2}$ ft. in dia. at base by 2 ft. in height
for std. cor. to Secs. 32 & 33.
A spring brs. N.W. about 10.00 chs. dist.
Land mountainous.
Soil 1st rate.
Timber & undergrowth of oak & cedar
-

West on S.B. of Sec. 32

Var. 14° 25' E.

Descend

- 10.50 Cross gulch 30 lks. wide co. S.E.
Head of Willows Springs Creek & ascend.
- 21.50 Summit of spur brs. N. & S. & descend.

1st. Std. N. on S.B. T. 6 N., R. 13 W. S.B.M.

A spring brs. S. 20° E. about $\frac{1}{2}$ mile distant.

32.15 Cross gulch 25 lks. wide, co. S.W. & descend.

40.00 Set post 4 in.dia., 1 ft. in earth, 1 ft. above stone
md. 4 ft. in dia. at base by 2 ft. in height for $\frac{1}{4}$
sec. cor.

49.00 Cross brook 3 lks. wide co. S.W. & ascend.

80.00 The point for cor. to Secs. 31 & 32, falling on steep
side hill, a place not suitable to build m'd. I set
post 4 in. sq., 1 ft. in earth, 1 ft. above stone md.
4 $\frac{1}{2}$ ft. in dia. at base by 2 ft. in height 12.13 chs.
West for witness post to std. cor. to Secs. 31 & 32.
Land mountainous.

Soil 2d rate & 3rd rate.

Timber & undergrowth of oak & cedar

West on S.E. of Sec. 31.

Var. 14° 25' E.

Ascend

12.13 Witness post

20.00 Summit of spur brs. N. & S. & descend.

22.50 Cross gulch 18 lks. wide, co. S. & ascend.

40.00 Set post 4 in. dia., 1 ft. in earth, 1 ft. above stone
md. 4 ft. in dia. at base by 2 ft. in height for $\frac{1}{4}$
sec. cor.

48.00 Summit of spur brs. N. & S. & descend.

64.50 Cross gulch 24 lks. wide co. S. & ascend.

80.00 Set post 4 in. sq., 1 ft. in earth, 1 ft. above stone
md. 4 $\frac{1}{2}$ ft. in dia. at base by 2 ft. in height for std.
cor. to Tps. 6 N. Rs. 13 & 14 W. S.B.M.

Land mountainous.

Soil 2nd & 3rd rate.

Timber & undergrowth of oak & cedar.

Oct. 29th 1879.

Surveyed by W. H. Norway, Deputy Surveyor
Contract dated October 10, 1879.

Re-survey of the First Standard Parallel North

through Range 13 West, S.B.M.

By a careful examination of the first Standard line north through Range 13 west, it appears that all, or nearly all of the corners are entirely obliterated; therefore I must re-establish this line in order to begin the surveys to be made in Township 6 North, Range 13 West.

Survey commenced June 9, 1901, and executed with a

John Roach solar compass, with telescopic attachment.

The instrument was examined, tested on the true meridian

at San Francisco, found correct and was approved by the

United States Surveyor-General for California, May 29, 1901.

I examine the adjustments of the instrument and find them correct, then to test the solar apparatus by comparing its indications, resulting from solar observations made during a.m. and p.m. hours with a true meridian determined by observations on Polaris, I proceed as follows:

June 9: I go to the quarter section corner on the east boundary of Section 36; latitude $34^{\circ}34.5'$ N. longitude $118^{\circ}13'$ W., which is a well preserved post 3 inches square 18 inches above ground, marked $\frac{1}{4}$ S. on W. face, I re-dig pits 18 x 18 x 12 inches north and south of post, 4 feet dist. and raise a mound of earth, $3\frac{1}{2}$ feet base, $1\frac{1}{2}$ feet high around post.

NOTE: I select this corner as place for observations as the Standard township corner is inaccessible after night-fall.

At 3h.40m.p.m.1, l.m.t., I set off $34^{\circ}34.5'$ on the lat. arc; $22^{\circ}57'$ on the decl. arc, and determine a true meridian with the solar at the above quarter section corner, I mark a point thereof on a wooden plug driven in the ground 4.50 chains north of the corner.

At 8h.12m. p.m., l.m.t., I observe Polaris at lower culmination and mark the line thus determined on the

Re-survey of the First Standard Parallel North,
through Range 13 East, S.B.M.

plug already set 4.50 chains north of my station.

June 9, 1901.

June 10: At 7h.20m.a.m., l.m.t., I set off $34^{\circ}34.5'$
on the lat. arc, $23^{\circ}1'$ on the decl. arc; and determine
a true meridian with the solar and mark a point in
the line, on the wooden plug set 4.50 chains north of
the corner.

The solar apparatus by p.m. and a.m. observations,
defined positions for true meridians that substanti-
ally agree with the true meridian established by
observation on Polaris; therefore, I conclude the
adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8h. a.m.
is $N.14^{\circ}45'W.$, this angle reduced by the table, page
100 of the Manual, gives the mean mag. decl. $14^{\circ}41'$ east
I begin at the Standard corner of Township 6 North
Ranges 12 and 13 West, which is a post $2\frac{1}{2}$ inches
square, 15 inches above a mound of stone, marked
S.C. on N.,

S. 31 on E. and

S. 36 on W. faces, from which

An oak 10 inches diameter bears $N. 42^{\circ} 10' W.$ 70 links
distant

Marked T. 6 N., R.13 W., S.C.S. 36 B.T.

I mark

An oak 6 inches diameter bearing $N. 12^{\circ}5' E.$ 68 links
distant

T.6 N. R. 12 W., S. 31 B.T.

I remove the post and set a mica schist stone $24 \times 6 \times$
4 inches, 20 inches in the mound of stone marked S.C.
on north, with 6 grooves on north, east and west
faces.

Re-survey of the First Standard Parallel North,
through Range 13 West S.B.M.

(Impracticable to plant stone in ground) and raise a mound of stone $3\frac{1}{2}$ feet base, 2 feet high west of corner (The ground north of the corner is not suitable for the mound).

At 9h a.m., l.m.t., I set off $34^{\circ}34'$ on the lat. arc; $23^{\circ}1'$ on the decl. arc; and determine a true meridian with the solar at the above described corner.

Thence I run

*

West on a random line along the first Standard line north through Range 13 West, setting temporary corners at intervals of 40.00 chains after repeated search for corners, reported, set on said line, failed to discover them.

At the temporary quarter section corner on the south boundary of Section 35, I set off $23^{\circ}1'$ on the decl. arc, and at 11h 59m. a.m., l.m.t. observe the sun on the meridian, the resulting lat. is $34^{\circ}34.5'$ about
June 11th: at 8h. a.m., l.m.t., I set off $34^{\circ}34'$ on the lat. arc, $23^{\circ}5'$ on the decl. arc and determine a true meridian with the solar at the temporary Standard corner of Sections 33 and 34.

June 11: at the temporary Standard corner of sections 31 and 32, I set off $23^{\circ}5'$ on the decl. arc; and at 11h 59m. 45s a.m., l.m.t., observe the sun on the meridian, the resulting lat. is $34^{\circ}35'$ about.

At 481.85 chains intersect the Standard corner of Township 6 north, Ranges 13 and 14 west, which is a greatly decayed post, marks obliterated, in a mound of stone, $3\frac{1}{2}$ feet base, 2 feet high. I re-establish this corner at the same point as follows;

Set a porphyry stone 14 x 12 x 6 inches, in a mound of stone $3\frac{1}{2}$ feet base, $1\frac{1}{2}$ feet high marked S.C. on N. with 6 grooves on north, east and west faces, and raise a mound of stone, $4\frac{1}{2}$ feet base, $2\frac{1}{2}$ feet high

Re-survey of the First Standard Parallel North,

through Range 13 West, S. B. M.

west of corner; impracticable to sink stone or dig pits
I place mound west of corner, on account of the contour
of ground

Thence I run

East on a true line on south boundary Section 31.

Through low brush, ascend rapidly.

16.85 Top of spur, bears southwest 300 feet above township
corner, descend.

Difference between measurements of 41.85 chains by two
sets of chainmen is 18 links; position of middle point

By 1st set 41.76 chains

By 2nd set 41.94 chains, the mean of which is

41.85 Set a granite stone 24 x 12 x 4 inches for Standard
quarter section corner marked S C $\frac{1}{4}$ on N. face, and
raise a mound of stone covered with earth, 4 feet base
2 feet high north of corner.

Descend abruptly.

46.35 Cross deep gulch, 20 links wide, course S. 20° E. 500 feet
below spur, ascend abruptly.

48.50 Top of spur bears S. 80 feet above gulch, descend.

50.80 Gulch, 10 links wide, course south, ascend.

53.60 Spur, bears south 100 feet above gulch, descend.

63.70 Gulch, 12 links wide, course south 150 feet below spur
ascend.

70.85 Spur, bears south 100 feet above gulch, descend.

74.25 Gulch, 8 links wide, course south 80 feet below spur,
ascend.

Difference between measurements of 81.85 chains by two
sets of chainmen is 24 links position of middle point

By 1st set 81.73 chains

By 2nd set, 81.97 chains, the mean of which is

81.85 Set a granite stone 18 x 14 x 4 inches, 12 inches in the
ground, for Standard corner of Sections 31 and 32
marked S. C. on N. with one groove on west and five

Re-survey of the First Standard Parallel North
through Range 13 West, S.B.M.

grooves on east faces, and raise a mound of stone
4 feet base, 2 feet high, north of corner.

Pits impracticable.

Land mountainous.

Soil, third rate.

No timber.

Undergrowth chaparral.

Mountainous land 81.85 chains.

East on a true line on south boundary of Section 32

Through sagebrush, along south slope of mountain.

5.75 Gulch, 10 feet deep, 20 links wide, course southwest,
ascend rapidly.

20.50 Spur, bears southwest 150 feet above gulch, descend

30.80 Gulch, 20 links wide, course southwest 100 feet below
spur, ascend.

Difference between measurements of 40.00 chains by two
sets of chainmen is 16 links position of middle point,

By 1st set 39.92 chains

By 2nd set 40.08 chains, the mean of which is

40.00 Set a granite stone 14 x 8 x 5 inches, 10 inches in the
ground for standard quarter section corner, marked
S.C. $\frac{1}{4}$ on N. face, and raise a mound of stone covered
with earth, $3\frac{1}{2}$ feet base, $1\frac{1}{2}$ feet high north of corner

55.00 Spur bears south 200 feet above last gulch, descend

60.40 Gulch, 10 links wide, course south

Spring in gulch 50 links south of line, ascend

57.60 Spur bears south 100 feet above gulch, descend.

difference between measurements of 80.00 chains by two
sets of chainmen is 20 links, position of middle point

By 1st set, 79.90 chains

By 2nd set, 80.10 chains, the mean of which is

80.00 Set a granite stone 28 x 10 x 6 inches, in mound of
stone $3\frac{1}{2}$ feet base, 2 feet high, for Standard corner

Re-survey of the First Standard Parallel North
 through Range 13 West, S. B. M.
 of Sections 32 and 33, marked S.C. on N. with
 two grooves on west and four grooves on
 east faces, and raise a mound of stone, 4 feet base,
 2 feet high, north of corner
 Impracticable to sink stone or dig pits
 Land, mountainous.
 Soil, third rate.
 No timber.
 Undergrowth, low chaparral and sage.
 Mountainous land 80.00 chains.

June 10 and 11, 1901.

June 12: at 7h. 4m. a.m., 1.m.t., I set off $34^{\circ}34'$ on
 the lat. arc, $23^{\circ}9'$ on the decl. arc, and determine a
 true meridian with the solar at Standard corner of
 Sections 32 and 33.
 Thence I run
 East on a true line on south boundary of Section 33.
 Through low brush.
 Descend along south slope of mountain.
 6.00 Gulch, 6 links wide, course southeast, ascend.
 8.50 Top of rocky spur, bears south 80 feet below gulch,
 descend.
 28.40 Gulch, 30 links wide, course southeast 300 feet below
 spur, ascend.
 32.00 Spur bears south 150 feet above gulch, descend abruptly
 35.45 Cross deep gulch, 15 links wide, course southwest 150
 feet below spur, ascend abruptly.
 Difference between measurements of 40.00 chains by two
 sets of chainmen is 22 links, position of the middle point
 By 1st. set 39.89 chains
 By 2nd set 40.11 chains, the mean of which is
 40.00 The point for Standard quarter section corner falls on

Re-survey of the First Standard Parallel North

through Range 13 West, S. B. M.

a granite boulder in place 4 x 3 x 3 feet above ground on which I cut a cross (x) at the exact corner point for Standard quarter section corner, marked S C $\frac{1}{4}$ below cross, and raise a mound of stone 4 feet base, 2 feet high north of corner.

This quarter section corner stands on very steep east slope of gulch.

58.50 Summit of high spur, bears south 400 feet above gulch descend.

66.20 Cross deep gulch, 20 links wide, course south 400 feet below spur, ascend.

68.70 Spur bears southwest 80 feet above gulch, descend

72.30 Gulch, 15 links wide, course southwest 100 feet below spur, ascend.

Difference between measurements of 80.00 chains by two sets of chainmen is 12 links position of middle point

By 1st set 79.94 chains

By 2nd set 80.06 chains, the mean of which is

80.00 Set a granite stone 20 x 12 x 8 inches, 15 inches in the ground for Standard corner of Sections 33 and 34, marked S.C. on N. with three grooves on east and west faces, and raise a mound of stone covered with earth, $3\frac{1}{2}$ feet base, 2 feet high, north of corner

Land mountainous.

Soil third rate.

No timber.

Undergrowth low chaparral and sage.

Mountainous land 80.00 chains.

East on a true line on south boundary Section 34

Ascend rapidly through brush.

8.00 Summit of divide between Santa Clara river and Antelope valley, bears northwest and southeast, 150 feet above Standard corner leave brush; over summit.

14.00 Begin descent of east slope of divide.

Re-survey of the First Standard Parallel North
through Range 13 West, S. B. M.

- 20.00 Enter dense brush, bears north and south
- 29.50 Leave dense brush, bears north and south
- 35.50 Southeast end of large reef of boulders, bearing N. 75° W.
Enter brush bears north and south
- Difference between measurements of 40.00 chains by two
sets of chainmen is 24 links, position of middle point
By 1st set 39.88 chains
By 2nd set 40.12 chains, the mean of which is
- 40.00 Set a mica schist stone 24 x 8 x 6 inches, 18 inches in
the ground, for Standard quarter section corner marked
S.C. $\frac{1}{4}$ on N. face, and raise a mound of stone, covered
with earth, 4 feet base, 2 feet high north of corner.
- 54.40 Gulch, 15 links wide, course southeast 600 feet below
summit of divide, ascend.
- 60.00 Spur bears southeast 200 feet above gulch, descend
- 62.50 Gulch, 12 links wide, course southwest 100 feet below
spur, ascend.
- 71.30 Spur bears south 100 feet above gulch, descend.
- Difference between measurements of 80.00 chains by two
sets of chainmen is 14 links, position of middle point
By 1st set 79.93 chains
By 2nd set 80.07 chains, the mean of which
- 80.00 Set a mica schist stone 20 x 8 x 6 inches, 15 inches in
the ground, for standard corner of Sections 34 and 35,
marked S.C. on N. with four grooves on west and two
grooves on east faces, and raise a mound of stone, $3\frac{1}{2}$
feet base, 2 feet high north of corner.
- Pits impracticable.
- Land, rough mountains.
- Soil, rocky third rate.
- No timber.
- Undergrowth, 62.00 chains dense chaparral.
- Mountainous land 80.00 chains.

Re-survey of the First Standard Parallel North

through Range 13 West, S.B.M.

June 12th, at this corner I set off $23^{\circ}9.5'$ on the decl.
are, and at 11h. 59m. 27s a.m., l.m.t., observe the
sun on the meridian, the resulting lat. is $34^{\circ}34'$

East on a true line on the south boundary of Section 35,
Through brush, ascend.

- 2.60 Spur, bears south 40 feet above Standard corner, descend
25.50 Enter canon, course N. 60° E. 400 feet below spur.
25.90 Road to Diss' ranch bears N. 60° E. and S. 60° W.
27.00 Leave canon, ascend abruptly.
- Difference between measurements of 40.00 chains by two
sets of chainmen is 5 links position of middle point
By 1st set 39.96 chains
By 2nd set 40.04 chains, the mean of which is
40.00 Set a mica schist stone 15 x 10 x 5 inches, 12 inches
in the ground, for Standard quarter section corner,
marked S.C. $\frac{1}{4}$ on N. face, and raise a mound, of stone,
covered with earth, $3\frac{1}{2}$ feet base, $1\frac{1}{2}$ feet high north
of corner.
- 43.60 Top of ridge bears N. 20° E. and S. 20° W. 300 feet above
gulch, descend.
- 53.00 Gulch, 16 links wide, course N. 75° E. 200 feet below
ridge, ascend.
- 62.25 Spur bears northeast 200 feet above gulch, descend
66.30 Gulch, 18 links wide, course N. 30° E. 150 feet below spur
ascend.
- 73.50 Top of ascent bears north and south.

Thence along north slope of ridge.

Difference between measurements of 80.00 chains by two
sets of chainmen is 22 links position of middle point

By 1st set 79.89 chains,

By 2nd set 80.11 chains the mean of which is

- 80.00 Set a mica schist stone 15 x 8 x 5 inches 12 inches
in the ground for Standard corner of Sections 35 and 36
marked S.C. on N. with five grooves on west and one

Re-survey of the First Standard Parallel North

through Range 13 West, S. B. M.

groove on east faces, and raise a mound of stone, $3\frac{1}{2}$ feet base, 2 feet high north of corner.

Pits impracticable.

Land, mountainous.

Soil, rocky, fourth rate.

No timber.

Undergrowth, scattering scrub oak and juniper.

Mountainous land 80.00 chains.

East on a true line on south boundary Section 36.

Through brush, ascend.

3.00 Top of spur bears northeast 60 feet above Standard corner, descend

9.75 Deep gulch, 20 links wide, course N. 30° E. 200 feet below spur, ascend rapidly.

15.00 Spur bears north 120 feet above gulch, descend.

20.50 Gulch, 16 links wide, course North 300 feet below spur ascend.

24.00 Spur, bears north 40 feet above gulch, descend.

Difference between measurements of 40.00 chains by two sets of chainmen is 26 links position of middle point

By 1st set 39.87chains

By 2nd set 40.13 chains, the mean of which is

40.00 Chains, as the point for quarter section corner falls on very steep sliding ground, not a suitable place for the corner, I set a witness corner to quarter section corner as follows, at

39.47 Set a mica schist stone 18 x 14 x 4 inches, 14 inches in the ground for witness corner, marked W.C.S.C. $\frac{1}{4}$ on N. face, from which

A scrub oak 6 inches diameter, bears N. $13\frac{1}{2}^{\circ}$ E. 9 links dist.

Marked W.C.S.C. $\frac{1}{4}$ S.B.T.

A scrub oak 5 inches diameter, bears S. 20° E. 3 links dist.

Re-survey of the First Standard Parallel North
through Range 13 West, S.B.M.
marked W.C.S.C. $\frac{1}{4}$ S.B.T.

- 39.70 Bottom of deep gulch 10 links wide, course north, ascend.
40.00 Point for quarter section corner.
50.00 Spur bears north 150 feet above gulch, descend.
70.00 Cross deep gulch, 20 links wide, course North 600 feet
below spur, ascend to
80.00 The Standard corner of Township 6 north, Ranges 12
and 13 west, already described.

Land, rugged mountains.

Soil, rocky, fourth rate.

No timber.

Undergrowth scrub oak and juniper.

Mountainous land 80.00 chains.

June 12, 1901.

Subdivisions T. 6 N., R. 13 W. S.B.M.

Survey commenced June 13, 1901, and executed with a
John Roach Solar Compass with telescope attachment.

The instrument was examined, tested on the true
meridian at San Francisco, found correct and was approved
by the Surveyor General for California May 29, 1901.

I examine the adjustments of the instrument and
find them correct; then I test the solar apparatus by
comparing its indications resulting from solar ob-
servations made during a.m. and p.m. hours with the
true meridian determined by observations on Polaris
which I established at the $\frac{1}{4}$ section corner, on the
east boundary of Sections 36, June 9, 1901, I find
the adjustments of the instrument are satisfactory.

I begin at the Standard corner of Sections 35 and
36, on the south boundary of the township, which I re-
established June 12, at 7h 15 m a.m., l.m.t., I set
off 34°34' on the lat. arc, 23°13' on the decl. arc;
and determine a true meridian with the solar at this
Standard corner.

Thence I run

Subdivisions T. 6 N., R.13 W., S.B.M.

N.0°1' W. on a random line between Sections 35 and 36

17.00 I make a careful search here for witness point and fail to find any trace of it. I continue this random line to the 40.00 chains point and find that the $\frac{1}{4}$ section corner is obliterated.

In order to connect surveys to be made with surveyed lines, I must re-establish this corner accordingly I set temporary post and re-set said corner.

The field notes of this re-survey are found in book of re-surveys T. 6 N. R.13 W. I then connect the random line, with the $\frac{1}{4}$ section corner as follows:

40.00 To a point 1 link west of the $\frac{1}{4}$ section corner which I re-established this day

Thence I run

South on a true line between Sections 35 and 36

Descend rapidly

2.00 Enter canon, course N. 80° E. 80 ft. below $\frac{1}{4}$ section corner

5.45 Road bears N. 87° E. and S. 87° W.

6.48 Leave canon, course N. 87° E.

Enter brush bears E. and W. Ascend.

10.00 Top of spur bears N. 70° E. 100 feet above canon. Descend.

16.00 Foot of descent and enter small flat, bears E. and W.

18.00 Leave flat and ascend spur bears E. and W.

26.00 Spur bears N.W. 100 ft. above flat; descend

27.25 Gulch, 8 links wide, course N.W. 40 ft. below spur

Ascend rapidly to

40.00 The Standard corner of Sections 35 and 36

Land rough mountains.

Soil rocky, third rate.

No timber.

Undergrowth 33.52 chains chaparral.

Mountainous land 40.00 chains.

June 13, 1901.

Subdivisions of T. 6 N., R. 13 W. S.E.M.

June 14, at 7h 30m a.m., l.m.t., I set off $34^{\circ}34.5'$ on the lat. arc; $23^{\circ}16.5'$ on the decl. arc; and determine a true meridian with the solar at the Standard corner of Sections 34 and 35, on the S. boundary of the township which I re-established June 1901.

Thence I run

N. $0^{\circ}1'$ W. between Sections 34 and 35

Ascending

- 5.00 Top of spur bears S.E. 100 ft. above Standard section corner
Thence along E. slope of mountain
- 19.50 Gulch, 30 ft. deep 15 links wide, course E. Ascend abruptly.
- 20.00 Enter low brush, bears E. and W.
- 26.00 Top of abrupt ascent bears E. and W. 600 ft. above Standard corner
Enter dense high brush bears E. and W.
- 30.00 Begin descent of N. slope.
- 39.65 Leave dense brush bears E. and W.
- 40.00 Set a Mica Schist stone 24 x 8 x 4 inches, 18 inches in the ground, for $\frac{1}{4}$ section corner marked $\frac{1}{4}$ on W. face; and raise a mound of stone, 4 ft. base, 2 ft. high, W. of corner
Pits impracticable.
- 42.50 Gulch 10 links wide, course E. 200 ft. below top of ascent. Ascend.
- 47.50 Spur bears E. 200 ft. above gulch; descend rapidly
- 55.00 Center of canon 75 links wide, course S.E. 300 ft. below spur ascend abruptly.
- 72.65 Top of ridge bears E. and W. 600 ft. above canon.
Enter dense brush bears E. and W. Descend
- 80.00 Set a granite stone 24 x 12 x 5 inches, 18 inches in the ground for corner to Sections 26, 27, 34 and 35 marked with 1 notch on S. and 2 notches on E. edges; and raise a mound of stone covered with earth, 4 ft. base 2 ft. high W. of corner

Subdivisions of T. 6 N., R. 13 W. S.B.M.

Land rough mountains

Soil, rocky third rate.

No timber.

Undergrowth, 21.00 chains dense chaparral.

Mountainous land 80.00 chains.

June 14: at this corner I set off $23^{\circ}16'$ on the decl. arc and at 11h 59m 52s a.m. l.m.t., observe the sun on the meridian; the resulting lat. is $34^{\circ}35'$ about.

East on a random line between Sections 26 and 35

40.00 Set temporary $\frac{1}{4}$ section corner

80.00 Intersect N. and S. line at the corner of Sections 25, 26, 35 and 36.

Thence I run

West on a true line between Sections 26 and 35.

Ascend.

22.50 Top of spur bears S. 75° E. 200 feet above section corner. Descend.

29.50 Center of canon, 50 links wide, course S. 50° E. 100 ft. below spur. Ascend.

40.00 Set a Mica Schist stone $18 \times 6 \times 6$ inches, 12 inches in the ground, for $\frac{1}{4}$ section corner marked $\frac{1}{4}$ on N. face; and raise a mound of stone, covered with earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high N. of corner

45.50 Ravine 10 ft. deep 20 links wide, course S.E.

60.00 Top of ridge bears N.E. and S.W. 500 ft. above canon enter heavy brush, bears N. and S.

Descend along N. slope

80.00 The corner of Sections 26, 27, 34 and 35.

Land broken mountains.

Soil third rate. No timber.

Undergrowth 20.00 chains dense chaparral.

Mountainous land, 80.00 chains.

June 14, 1901.

Subdivision of T. 6 N., R. 13 W. S.B.M.

June 15: at 7h a.m., l.m.t. I set off $34^{\circ}35'$ on the lat. arc; $23^{\circ}19'$ on the decl. arc; and determine a true meridian with the solar at the corner of Sections 26, 27, 34 and 35.

Thence I run

N. $0^{\circ}1'$ W. on a random line between Sections 26 and 27

40.00 Set temp. $\frac{1}{4}$ section corner

80.00 Intersect E. and W. line 2 links W. of corner of Sections 22, 23, 26 & 27, which is a post nearly obliterated in a mound of stone and earth, $2\frac{1}{2}$ ft. base, 1 ft. high

I destroy this corner and re-establish the corner at the same point as follows:

Set a Mica Schist stone $14 \times 10 \times 4$ inches, 10 inches in the ground for corner of Sections 22, 23, 26 and 27, marked with 2 notches on S. and E. edges; and raise a mound of stone covered with earth $3\frac{1}{2}$ ft. base, 2 ft. high W. of corner

Thence I run

South on a true line between Sections 26 and 27

Through heavy brush descend

17.00 Bottom of sag 100 links wide, course E. Ascend.

30.00 Leave brush bears E. and W.

38.50 Spur bears N.E. Descend

40.00 Set a granite stone $30 \times 8 \times 4$ inches, 24 inches in the ground for $\frac{1}{4}$ section corner marked $\frac{1}{4}$ on W. face dig pits $18 \times 18 \times 12$ inches N. and S. of stone, 4 ft. distant and raise a mound of stone covered with earth 4 ft. base, 2 ft. high W. of corner

51.50 Enter brush, bears E. and W.

64.50 Gulch 10 links wide, course N.E. ascend.

66.00 Top of spur bears N.E. Descend.

67.75 Leave brush, bears E. and W.

69.75 Gulch, 10 links wide, course N.E. Ascend.

72.00 Top of spur, bears N.E. Descend

73.20 Gulch 20 links wide, course N.E.

Subdivisions of T. 6 N., R. 13 W. S.B.M.

- 80.00 The corner of Sections 26, 27, 34 and 35.
Land mountainous.
Soil, third rate.
No timber.
Undergrowth, 46.25 chains dense chaparral.
Mountainous land 80.00 chains.

June 15, 1901.

June 17: at 7h 16m a.m., l.m.t. I set off 34°34.5' on the lat.arc; 23°24' on the decl. arc; and determine a true meridian with the solar at the Standard corner of Sections 33 and 34

Thence I run

N. 0°2' W. between Sections 33 and 34

Ascend steep mountain

- 4.50 Enter dense brush bears E. and W.
11.00 Leave brush, bears E. and W.
34.00 Top of high point on spur, near summit of main ridge
bears W. 500 ft. above Standard corner
Descend gradually
38.00 Cross summit of dividing ridge bears N.W. and S.E.
40.00 Set a granite stone 24 x 10 x 7 inches, 18 inches in
the ground, for $\frac{1}{4}$ section corner marked $\frac{1}{4}$ on W. face;
and raised a mound of stone covered with earth, 4 ft.
base, 2 ft. high W. of corner; from corner

A white oak 8 inches diameter bears S. 56 $\frac{1}{4}$ ° E.

152 links distant marked $\frac{1}{4}$ S B T

No other tree within limit.

- 46.50 Enter dense scrub oak bears E. and W.
64.50 Leave brush, bears E. and W.

Enter small flat, bears E. and W.

- 71.50 Leave flat, enter dense brush bears E. and W. and
descend N. slope of mountain
80.00 Set a granite stone 24 x 14 x 6 inches, 18 inches in
the ground for corner to Sections 27, 28, 33 and 34,

Subdivisions of T. 6 N., R. 13 W., S. B.M.
marked with 1 notch on S. and 3 notches on E. edges;
and raised a mound of stone, covered with earth, 4 ft.
base, 2 ft. high W. of cor. Cor. in dense brush

Land rugged mountains

Soil, rocky, third rate

No timber.

Undergrowth 33 chains dense scrub oak and chaparral

Mountainous land 73.00 chains

June 17: at this corner I set off $23^{\circ}23'$ on the
decl.arc; and at oh Om 30s p.m., l.m.t., observe
the sun on the meridian, the resulting lat. is $34^{\circ}35'$

East on a random line between Sections 27 and 34

40.00 Set temporary $\frac{1}{4}$ section corner

80.25 Intersect N. and S. line at the corner of Sections 26,
27, 34 and 35

Thence I run

West on a true line between Sections 27 and 34

Through dense oak brush; ascend

11.70 Spur bears N.E. 100 ft. above corner, descend.

15.75 Gulch, 10 links wide, course N.E. 80 ft. below spur
Ascend.

19.70 Summit of ridge, bears N.W. and S.E. 150 ft. above gulch.
Descend.

35.60 Gulch, 4 links wide, course S.E. 200 ft. below ridge
Ascend.

40.12 $\frac{1}{2}$ Set a granite stone 18 x 8 x 8 inches, 12 inches in
the ground, for $\frac{1}{4}$ section corner, marked $\frac{1}{4}$ on N. face
and raised a mound of stone covered with earth, 3 $\frac{1}{2}$
ft. base, 2 ft. high N. of corner.

Corner in dense brush

46.75 Summit of ridge, bears N. 30° E. and S. 30° W. Descend

50.80 Gulch, 8 links wide, course N.E. Ascend.

56.50 Spur, bears N. 100 ft. above gulch. Descend.

65.40 Gulch, 30 links wide, course N. 200 ft. below spur;
ascend.

Subdivision of T. 6 N., R. 13 W. S.B.M.

- 75.70 Top of spur, bears N. 200 ft. above gulch, descend.
77.50 Gulch, 13 links wide, course N. 70 ft. below spur;
ascend.
80.25 The corner to Sections 27, 28, 33 and 34.
Land rough mountains.
Soil, rocky, third rate
No timber.
Undergrowth, dense chaparral 80.25 chains.
Mountainous land 80.25 chains.

June 17, 1901.

June 18: 7h 5m a.m., l.m.t. I set off $34^{\circ}35'$ on the lat. arc; $23^{\circ}25.5'$ on the decl. arc; and determine a true meridian with the solar at the corner of Sections 27, 28, 33 and 34.

Thence I run

N. $0^{\circ}2'$ W. on a random line between Sections 27 and 28

- 40.00 Set temporary \dagger section corner

I find on arrival at the corner of Sections 21, 22, 27 and 28, that my line is more than 82.00 chains long and the falling 3.37 chains east of said corner. As a closing corner for Sections 27 and 28 will be necessary, here, I must resurvey the line between Sections 22 and 27 and obtain the true bearing of said line before a proper closing can be made; I set temporary post at 82.00chains and proceed to re-run the line between Sections 22 and 27; following the completion of this work; I continued my line between Sections 27 and 28 intersecting the south boundary of Sections 22, as follows:

- 82.15 Intersect the south boundary of Sections 22, 3.37 chains S. $85^{\circ}26'$ E. from the corner of Sections 21, 22, 27 and 28, which is a post 3 inches square, 2 ft. above mound of stone and earth, marked and witnessed

Subdivisions of T. 6 N., R. 13 W. S.B.M.
as described by the surveyor general.

At the point of intersections I set a granite stone
24 x 10 x 5 inches in a mound of stone and earth, 4 ft.
base, 2 ft. high, for closing corner of Sections 27 and
28, marked G.C. on S. with 3 grooves on E. and W. faces,
impracticable to plant stone or dig pits. I remove the
marks relating to Sections 27 and 28 from the old corner
of Sections 21, 22, 27 and 28.

Thence I run

S. 0° 2' E. on a true line between Sections 27 and 28

Through dense brush

Descend.

2.00 Enter low brush bears E. and W.

4.65 Cross ravine 6 links wide, course W. 30 ft. below
closing corner

Enter heavy brush, bears E. and W. Ascend rapidly
over ground falling northwesterly.

8.50 Cross spur bears N.W. 60 ft. above ravine, descend.

13.37 Gulch, 15 links wide, course N.W. 30 ft. below spur.
Ascend.

17.60 Spur bears N.W. 150 ft. above gulch descend.

21.55 Gulch, 12 links wide, course N.W. 60 ft. below spur.
Ascend.

26.60 Spur, bears N. 60° W. 150 ft. above gulch descend.

31.20 Gulch 40 links wide, course N.20°W. 100 ft. below spur.
Ascend rapidly.

42.15 Set a granite stone 20 x 10 x 5 inches, 15 inches in
the ground for $\frac{1}{4}$ section corner marked $\frac{1}{4}$ on W. face
and raised a mound of stone, $3\frac{1}{2}$ ft. base, 2 ft. high
W. of corner

Pits impracticable.

44.80 Cross same gulch 20 ft. deep, 30 links wide, course
N. 20° E.

52.15 The corner of Sections 27, 28, 33 and 34, 800 ft. above
 $\frac{1}{4}$ section corner.

Subdivisions of T. 6 N., R. 13 W. S.B.M.

Land mountainous.

Soil third rate.

No timber.

Undergrowth 79.50 chains dense chaparral and 2.65 chains of low brush.

Mountainous land 82.15 chains.

June 18, 1901.

June 19: at 7h 24m a.m., l.m.t., I set off $34^{\circ}34.5'$ on the lat. arc; $23^{\circ}27'$ on the decl. arc; and determine a true meridian with the solar at the Standard corner of Sections 32 and 33, on the south boundary of the township. Thence I run

N. $0^{\circ}2'$ W. between Sections 32 and 33

Through dense brush; ascend

19.50 Leave brush, bears E. and W.

40.00 Set a granite stone 18 x 10 x 6 inches, 12 inches in the ground for $\frac{1}{4}$ section corner marked $\frac{1}{4}$ on W. face; dig pits 18 x 18 x 12 inches, N. and S. of stone, 4 ft. distant and raised a mound of earth, 4 ft. base, 2 ft. high W. of corner.

41.00 Cross small gulch, 20 ft. deep, 15 links wide, course S. 30° E.

55.00 Summit of dividing ridge, bears E. and W. 1500 ft. above Standard corner.

Enter dense oak brush bears E. and W. Descend rapidly.

80.00 Set a granite stone 30 x 14 x 8 inches, 24 inches in the ground for corner of Sections 28, 29, 32 and 33, marked with 1 notch on S. and 4 notches on E. edges; and raised a mound of stone, covered with earth, ~~4 ft.~~ 4 ft. base, $1\frac{1}{2}$ ft. high W. of corner.

Land rough mountains.

Soil third rate.

Subdivisions of T. 6 N., R. 13 W. S.B.M.

No timber.

Undergrowth 44.50 chains dense oak and chaparral

Mountainous land 80.00 chains

June 19 at this corner I set off $23^{\circ}26'$ on the decl. arc; and at Oh Om 56s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is $34^{\circ}35'$

East on a random line between Sections 28 and 33

40.00 Set temporary $\frac{1}{4}$ section corner

80.27 Intersect N. and S. line 15 links S. of corner of Sections 27, 28, 33 and 34.

Thence I run

S. $89^{\circ}54'$ W. on a true line between Sections 28 and 33

Through dense brush; ascend along N. slope of mountain

9.00 Top of ascent bears N. and S. Descend.

11.40 Ravine, 8 links wide, course N. 50 ft. below section corner. Ascend.

20.52 Spur, bears N. 100 ft. above gulch; descend.

27.05 Ravine 12 links wide, course N. 80 ft. below spur; ascend.

30.40 Spur, bears N. 100 ft. above ravine, descend.

33.50 Leave brush bears N. and S.

34.00 Ravine, 8 links wide, course N. 40 ft. below spur; ascend.

39.80 Enter dense oak brush, bears N. and S.

40.13 $\frac{1}{2}$ A white oak 3 inches diameter, for $\frac{1}{4}$ section corner marked $\frac{1}{4}$ S on N. side (I also set a Mica Schist stone 15 x 10 x 6 inches marked $\frac{1}{4}$ on N. face, 10 inches in the ground alongside the N. side of tree) from which

A white oak 3 inches diameter bears N. 80° E. 4 links distant, marked $\frac{1}{4}$ S.B.T. dig pits 18 x 18 x 12 inches E. and W. of tree 5 ft. distant, and raised a mound of Earth, 3 $\frac{1}{2}$ ft. base, 2 ft. high N. of corner

Thence along N. slope of mountain

58.00 Top of ascent bears N. and S. Descend.

Subdivisions of T. 6 N., R. 13 W., S.B.M.

70.00 Gulch 10 links wide, course N. 100 ft. below top of ascent.

Ascend.

80.27 The corner of Sections 28, 29, 32 and 33.

Land mountainous.

Soil third rate.

No timber.

Undergrowth 73.97 chains of dense oak and chaparral.

Mountainous land 80.27 chains.

June 19, 1901.

June 20: at 8h a.m., l.m.t., I set off $34^{\circ}35'$ on the lat.arc; $23^{\circ}27'$ on the decl.arc; and determine a true meridian with the solar at the corner of Sections 28, 29, 32 and 33.

Thence I run

N. $0^{\circ}2'$ W. on a true line between Sections 28 and 29

Note: I make this a true line as I know the falling will be some 3.00 chains E. of the corner of Sections 20, 21, 28 and 29 and a closing corner must be set
Through dense brush; descend rapidly.

26.00 Cross trail from Wilson's ranch to summit of mountain bears E. and W.

40.00 Set a granite stone $18 \times 14 \times 3$ inches, 12 inches in the ground for $\frac{1}{4}$ section corner marked $\frac{1}{4}$ on W. face and raised a mound of stone covered with earth, $3\frac{1}{2}$ ft. base, 2 ft. high W. of corner

77.00 Leave dense brush, bears E. and W.
Enter open ground.

81.43 Intersect the S. boundary of Section 21, 3.03 chains N. $89^{\circ}34'E.$ from the corner of Sections 20, 21, 28 and 29
Set a granite stone $14 \times 12 \times 8$ inches, 10 inches in the ground for closing corner of Sections 28 and 29 marked C.C. on S. with 4 grooves on E. and 2 grooves

Subdivisions of T. 6 N., R. 13 W. S.E.M.
on W. faces, and raise a mound of stone, covered with
earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high S. of corner.

I remove the marks relating to Sections 28 and 29
from the post set for corner to Sections 20, 21, 28
and 29.

Land mountainous.

Soil third rate.

No timber.

Undergrowth 77.00 chains dense scrub oak and
chaparral.

Mountainous land 81.43 chains.

June 20, 1901.

June 21: at 7h 28m a.m., l.m.t., I set off $34^{\circ}34.5'$
on the lat.arc; $23^{\circ}28'$ on the decl.arc; and determine
a true meridian with the solar at the standard corner
of Sections 31 and 32, on the S. boundary of the township
Thence I run

W. $0^{\circ}3'$ W. between Sections 31 and 32.

Through low chaparral, ascending.

9.00 Top of round knoll on spur, bears S. 30° W. Descend.

19.00 Gulch, 9 links wide, course S.W.

A spring in this gulch bears S.W. about 10.00 chains

40.00 Set porphyry stone 18 x 8 x 4 inches, 14 inches in
the ground for $\frac{1}{4}$ section corner, marked $\frac{1}{4}$ on W. face
and raised a mound of stone covered with earth, 4 ft.
base, 2 ft. high W. of corner

55.00 Summit of divide between Santa Clara and Boquet
Canons, bears E. and W.

Enter dense undergrowth of scrub oak, bears E. and W.
Descend rapidly.

80.00 Set a Mica Schist stone 20 x 14 x 6 inches, 15 inches
in the ground, for corner of Sections 29, 30, 31 and
32, marked with 1 notch on S. and 5 notches on E. edges;
from which

Subdivisions of T. 6 2N., R. 13 W., S.B.M.

A scrub oak 6 ins. diameter bears S. 77° 20' E.
41 links distant, marked T. 6 N., R. 13 W. S. 32 B.T.,

A scrub oak 6 inches diameter bears N. 28° W. 37
links distant, marked T. 6 N. R. 13 W. S. 30 B.T.

No other trees within limits

And raise a mound of stone covered with earth
4 ft. base, 2 ft. high, W. of corner

Land mountainous.

Soil third rate

Timber 25.00 chains scrub oak.

Undergrowth 55.00 chains low chaparral on S. slope
of mountain and 25 chains dense scrub oak on N. slope

Mountainous land 80.00 chains.

East on a random line between Sections 29 and 32

40.00 Set temporary $\frac{1}{4}$ section corner

80.00 Intersect N. and S. line at the corner of Sections 28,
29, 32 and 33

Thence I run

West on a true line between Sections 29 and 32

Through dense brush; ascend gradually.

4.25 Top of ascent, bears N. and S. Descend.

8.00 Gulch, 15 links wide, course N. 40 ft. below ascent

Ascend over N. slope of mountain.

13.60 Leave brush, bears N. and S.

24.00 Top of ascent bears N. and S. descend.

Enter scrub oak bears N. and S.

30.00 Leave brush, bears N. and S.

37.00 Vacant cabin, bears N. about 200 links.

38.00 Cross trail at bend bears N.E. and S.W.

Enter scrub oak.

40.00 A scrub live oak 6 inches diameter for $\frac{1}{4}$ section corner
which I mark $\frac{1}{4}$ S on N. side from which

A scrub oak 6 inches diameter bears S. 42 $\frac{3}{4}$ ° E.

Subdivisions of T. 6 N., R. 13 W. S.B.M.

17 links distant marked $\frac{1}{4}$ S B T

A scrub oak 10 inches diameter bears N. 39° W.

6 links distant, marked $\frac{1}{4}$ S B T

From corner A spring in the head of Maple Canon
bears N. about 3.00 chains

42.00 Gulch, 50 links wide, course N. 40 ft. below corner.
Ascend.

45.00 Top of brushy mesa bears N. and S.

Thence ascending gradually, over mesa

80.00 The corner of Sections 29, 30, 31 and 32.

Land mountainous and rough, broken mesa.

Soil third rate.

Timber scattering clumps of scrub oak.

Undergrowth, 61.60 chains dense scrub oak and chaparral.

Mountainous land 45.00 chains.

Broken mesa 35.00 chains.

June 24: at this corner I set off $23^{\circ}27'$ on the
dec. arc; and at oh lm 22s p.m., l.m.t., observe the sun
on the meridian, the resulting lat. is $34^{\circ}35'$

West on a random line between Sections 30 and 31

40.00 Set temporary $\frac{1}{4}$ section corner.

81.70 Intersect the W. boundary of the Township at the corner
of Sections 25, 30, 31 and 36.

Thence I run

East on a true line between Sections 30 and 31

Through brush; ascend

12.70 Spur, bears N.W. 150 ft. above section corner
Descend

17.65 Gulch, 20 links wide, course N.W. 100 ft. below spur
Ascend

21.20 Spur bears N. 80 ft. above gulch. Descend.

26.15 Gulch, 12 links wide course N.E. and ascend

27.30 Spur bears N. descend

Subdivisions of T. 6 N. R. 13 W. S.B.M.

- 28.60 Gulch, 8 links wide, course N. 20 ft. below spur
Ascend.
- 33.75 Spur, bears N. 80 ft. above gulch, descend.
- 41.70 Set a mica schist stone 22 x 6 x 3 inches, 18 inches in
the ground for $\frac{1}{4}$ section corner, marked $\frac{1}{4}$ on N. face,
from which

A scrub oak 4 inches diameter bears N. 43° W. 19
links distant marked $\frac{1}{4}$ S B T

A scrub oak 6 inches diameter bears S. $18\frac{1}{2}^{\circ}$ W. 16
links distant, marked $\frac{1}{4}$ S B T, and raise a mound of
stone, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of corner

Thence along N. slope of mountain

- 76.70 Begin to descend
- 77.95 Cross ravine 16 links wide, course N.

Ascend over brushy mesa, bears N. and S.

- 81.70 The corner to Sections 29, 30, 31 and 32.

Land mountainous.

Soil third rate.

Timber, scattering clumps of scrub oak.

Undergrowth scrub oak and chaparral.

Mountainous land 81.70 chains.

June 21 and 24, 1901.

June 25: at 7h a.m., l.m.t., I set off $34^{\circ}35'$ on the
lat. arc; $23^{\circ}26'$ on the decl. arc; and determine a
true meridian with the solar at the corner of Sections
29, 30, 31 and 32

Thence I run

N. $0^{\circ}3'$ W. between Sections 29 and 30

Through dense brush; descend rapidly

- 25.75 Trail, bears E. and W.
- 40.00 Set a mica schist stone 26 x 14 x 3 inches, 20 inches in
the ground, for $\frac{1}{4}$ section corner, marked $\frac{1}{4}$ on W.
face, and raised a mound of stone, covered with earth
 $3\frac{1}{2}$ ft. base 2 ft. high W. of corner

SUBDIVISIONS T. 6 N., R. 13 W., S.B.M.

49.00 Center of Maple canon, 30 ft. deep, 150 links wide,
course N. 60° W.

A spring bears W. 100 links

Thence along W. slope of spur.

78.50 Leave brush, bears E. and W.

80.00 Set a sandstone 16 x 8 x 6 inches, 12 inches in the
ground, for corner of Sections 19, 20, 29 and 30,
marked with 2 notches on S. and 5 notches on E. edges;
and raise a mound of stone covered with earth, 4 ft.
base, 2 ft. high W. of corner

Land mountainous

Soil second rate

Timber a few scattering live oak in gulches

Undergrowth, 78.50 chains dense chaparral

Mountainous land 80.00 chains

Knowing that a closing corner for Sections 20 and 29
will have to be set, I make the line between Sections
20 and 29, a true line

East on a true line between Sections 20 and 29

40.00 Set temporary $\frac{1}{4}$ section corner

80.00 Intersect W. boundary of Section 28, 165 links S. 0°
2' E. of closing corner of Sections 20 and 28

Set a sandstone 18 x 6 x 5 inches, 12 inches in the
ground, for closing corner of Sections 20 and 29, marked
C.C. on W. with 2 grooves on S. and 4 grooves on N.
face; and raise a mound of stone, covered with earth
3½ ft. base, 1½ ft. high W. of corner

Thence I run

West on a true line between Sections 20 and 29

Descend gradually

10.00 Dry wash, 20 links wide, course N.

10.20 Enter brush and ascend spur, bears N. and S.

25.20 Top of ascent bears N. and S. 400 ft. above dry wash

Thence descend along N. slope of mountain

Subdivisions of T. 6 N., R. 13 W., S.B.M.

39.20 Gulch, 20 links wide, course N. 150 ft. below ascent and ascend.

40.00 To a point on top of spur bearing N.

Set a sandstone $24 \times 12 \times 8$ inches, 15 inches in the ground, for $\frac{1}{4}$ section corner, marked $\frac{1}{4}$ on N. face; and raise a mound of stone, covered with earth, 4 ft. base $1\frac{1}{2}$ ft. high N. of corner.

June 25: at this $\frac{1}{4}$ section corner, I set off $23^{\circ}24'$ on the decl. arc; and at oh 2m 14s p.m., l.m.t. observe the sun on the meridian; the resulting lat. is $34^{\circ}36'$ about.

Descend abruptly.

42.10 Cross deep gulch, 6 links wide, course N. 100 ft. below spur.

Ascend rapidly.

57.70 Spur, bears N. 30° W. 250 ft. above gulch, descend

70.95 Gulch, 10 links wide, course N. 200 ft. below spur
Ascend.

72.70 Top of spur bears N. Descend.

76.40 Leave brush, bears N. and S.

76.60 Gulch, 20 links wide, course N. Ascend.

80.00 The corner to Sections 19, 20, 29 and 30.

Land mountainous.

Soil, third rate.

No timber.

Undergrowth 66.20 chains dense chaparral.

Mountainous land 80.00 chains

West on a random line between Sections 19 and 30

40.00 Set temporary $\frac{1}{4}$ section corner

81.50 Intersect W. boundary of the township at the corner of Sections 19, 24, 25 and 30.

Thence I run

East on a true line between Sections 19 and 30

Descend gradually over east slope of divide.

Subdivisions of T. 6 N., R. 13 W. S.B.M.

- 4.35 Wire fence bears N. 80° E. and S. 80° W.
- 5.10 Road from Bouquet Canon to Palmdale, bears N. 80° E. and S. 80° W.
- 7.10 Cross gully, 1 ft. deep, 10 links wide, course N. 80° W.
- 11.35 Cross same gully, 1 ft. deep 10 links wide, course S. 80° E.
- 13.60 Road, bears N.E. and S.W.
- 20.60 Cross same gully, 2 ft. deep, 12 links wide, course N. 80° E.
- 21.10 Enter same gully, 2 ft. deep, 12 links wide, course E.
- 24.10 Leave gully, course S. 80° E.
- 37.20 The $\frac{1}{4}$ section corner set by Deputy P.M. Narboe, bears North 50 links; I destroy this corner
- 40.00 Cross same gully, 4 ft. deep 15 links wide, course N. 80° E.
- As 41.50 chains falls in a gully at
- 41.00 Set a porphyry stone 18 x 8 x 6 inches, 12 inches in the ground for witness corner to $\frac{1}{4}$ section corner marked W.C. $\frac{1}{4}$ on N. race, and raised a mound of stone 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high N. of corner from corner
- A scrub oak 10 inches diameter bears N. 81 $\frac{1}{2}$ ° W.
- 43 $\frac{1}{2}$ links distant, marked W.C. $\frac{1}{4}$ S.B.T.
- No other tree within limit;
- 41.50 The true point for $\frac{1}{4}$ section corner in gully, 15 links wide, course S. 70° E. Ascend.
- 44.10 Spur, bears S. 40 ft. above gully, descend.
- 46.85 Gulch, 15 links wide, course S. 60 ft. below spur, ascend.
- 55.10 Top of ascent bears N. and S. 80 ft. above gulch. Descend abruptly.
- 58.20 Cross gulch, 20 links wide, course S. 150 ft. below. ascent and ascend.
- 59.30 Fence, bears N. 80° E. and S. 80° W.
- 63.60 Clara Kerr's dwelling house bears S. about 2.50 chains.
- 64.50 Wire fence bears N. and S.

Subdivisions of T. 6 N., R. 13 W., S.B.M.

- 65.60 Gulch, 6 ft. deep, 20 links wide, course N. 60° E.
66.10 A bam bears S. about 200 links
72.60 Top of ascent bears N. and S. Descend
74.50 Cross dry wash, 20 links wide, course N. ascend.
74.85 Road, bears N. and S.
77.88 Wire fence on top of ascend bears N. and S. Descend.
81.50 The corner of Sections 19, 20, 29 and 30.

Land mountainous.

Soil, second rate.

No timber.

Mountainous land 81.50 chains.

June 25, 1901.

Knowing that the line between Sections 19 and 20 will intersect the S. boundary of Section 17 more than 50 links E. of the corner of Sections 17, 18, 19 and 20, I run this line on true course

June 26; at 8h 6m a.m., 1.mt., I set off 34°36' on the lat.arc; 23°23.5' on the decl. arc; and determine a true meridian with the solar at the corner of Sections 19, 20, 29 and 30

N. 0° 3' W. on a true line between Sections 19 and 20
Descend gradually.

- .65 Wire fence bears E. and W.
8.75 Road from Bouquet Canon to Palmdale, bears N.E. and S.W.
14.00 Cross dry wash, 30 links wide, course N.E. Ascend.
15.00 Enter dense brush, bears E. and W.
26.65 Top of spur bears S.E. 300 ft. above canon.
Descend rapidly to
30.50 Cross gulch, 10 links wide, course E. 100 ft. below spur.
Ascend.
40.00 Set a granite stone 16 x 8 x 8 inches, 12 inches in the ground for $\frac{1}{4}$ section corner, marked $\frac{1}{4}$ on W. face, and raised a mound of stone, covered with earth, 4 ft. base

Subdivisions of T. 6 N., R.13 W. S.B.M.

1½ ft. high W. of corner.

- 43.00 Top of ridge bears E. and W. Descend.
- 55.00 Foot of descent and enter canon, course E. Enter cultivated ground bears E. and W. Leave brush.
- 62.25 Road bears E. and W.
- 67.50 Leave cultivated ground bears E. and W. Ascend ridge.
- 70.00 Enter dense brush bears E. and W.
- 78.00 Top of ridge bears E. and W. 200 ft. above canon, Descend.
- 82.50 Intersect S. boundary of Section 17 at a point S. 89° 32' E. 4.62 chains from the corner of Sections 17 and 18, and
Set a granite stone 15 x 10 x 5 inches, 10 inches in the ground for closing corner of Sections 19 and 20 marked C C on S. face; with 5 grooves on E. and 1 groove on W. faces; and raise a mound of stone, covered with earth, 4 ft. base, 2 ft. high S. of corner.

Note:- Before setting this corner I re-run the line between Sections 17 and 20, and thus obtained the true bearing of said line.

I remove the marks from old corner of Sections 17, 18, 19 and 20, relating to Sections 19 and 20

Land mountainous.

Soil second and third rate. No timber.

Undergrowth 62.50 chains dense chaparral.

Mountainous land 70.00 chains.

Bottom land 12.50 chains.

June 26, 1901.

June 27: at 7h 30m a.m., l.m.t., I set off 34°37' on the lat. arc; 23°21.5' on the decl. arc; and determine a true meridian with the solar at the corner of Sections 17 and 18.

Subdivisions of T. 6 N., R. 13 W., S.B.M.

Knowing that a closing corner for Sections 18 and 19 will have to be set on the W. boundary of the township, I make the line between Sections 18 and 19, a true line

From the above mentioned section corner, I run West on a true line between Sections 18 and 19
Through brush; ascend.

- .50 Top of ridge, bearing W.
Thence along the W. brow of ridge.
- 16.00 Cross summit of same ridge, bears E. and N. 80° W.
Thence along S. slope.
- 17.50 Cross gulch, 10 links wide, course S. 60 ft. below ridge.
Ascend.
- 21.50 Summit of spur, bears S. 60 ft. above gulch, descend.
- 24.00 Cross gulch, 6 links wide, course S. 100 ft. below spur; ascend.
- 27.50 Spur, bears S. 100 ft. above gulch; descend.
- 30.20 Cross ravine, 10 links wide, course S. 100 ft. below spur.
Ascend.
- 36.25 Spur, bears S. 120 ft. above ravine.
A dwelling house bears S. 44° W. about 10 chains.
Descend.
- 40.00 Set a granite stone 12 x 12 x 6 inches 10 inches in the ground for $\frac{1}{4}$ section corner marked $\frac{1}{4}$ on N. face; and raise a mound of stone, covered with earth, $3\frac{1}{2}$ ft. base 2 ft. high, N. of corner.
- 65.00 Enter canon, course S. 70° E.
Leave brush, bears N. and S. Thence up canon
- 76.50 Intersect the W. boundary of the township 2.61 chains N. of the corner of Sections 13 and 24, T. 6 N., R. 14 W.
Set a porphyry stone 16 x 12 x 8 inches, 12 inches in the ground, for closing corner of Sections 18 and

Subdivisions of T. 6 N., R. 13 W., S.B.M.

and 19, marked O.C. on E. face; with 3 grooves on N. and S. faces; dig pits 24 x 24 x 12 inches, crosswise on each line N. and S. 4 ft. and E. 6 ft. distant and raise a mound of earth, 3½ ft. base, 2 ft. high E. of corner

Land mountainous.

Soil third rate.

No timber.

Undergrowth 65.00 chains heavy chaparral.

Mountainous land 76.50 chains.

June 27, 1901.

GENERAL DESCRIPTION

The part of township 6 north, range 13 west, embraced by this survey, is generally rough and mountainous.

The soil may generally be classed as third rate; excepting some small flats and rolling ground in Sections 18, 19, 20 and 30, and 36, which may be classed as first and second rates; and will usually produce crops without irrigation.

The greater portion of this part of the township is covered with dense brush; with some openings that are fairly good grazing.

There is no timber in the township save a few scattering scrub oak in canons.

This part of the township is fairly well watered by wells and springs.

There are three settlers in Sec. 20, two in Sec. 18, and one each in Sections 30 and 36.

GEORGE W. PEARSON,

U.S. Deputy Surveyor.

Resurvey of Subdivisions T. 6 N., R. 13 W., S.B.M.

Survey commenced June 13, 1901, and executed with a John Roach Solar Compass with telescopic attachment

Resurvey of Subdivisions T. 6 N., R. 13 W., S.B.M.

The instrument was examined, tested on the true meridian at San Francisco, found correct and was approved by the Surveyor General for California, May 29, 1901.

I examine the adjustments of the instrument and find them correct; then I tested the solar apparatus by comparing true meridians determined with the solar during a.m. and p.m. hours, with a true meridian established by observations on Polaris.

I find that the meridians established with the solar apparatus agree with the meridian established by observations on Polaris; therefore, I conclude the adjustments of the instrument are satisfactory.

By inspection of the line between Sections 35 and 36, I ascertain that the witness point set at 63.00 chains S. of the corner of Sections 25, 26, 35 and 36, the $\frac{1}{4}$ section corner on said line and the corner of Sections 25, 26, 35 and 36 are all missing.

In order to connect surveys to be made, I must re-establish said corners.

I find the $\frac{1}{4}$ section corner between Sections 25 and 26 which is a partly decayed post marked $\frac{1}{4}$ S. in mound of stone; I destroy the corner and re-establish it at the same point as follows:

Set a granite stone 24 x 12 x 8 inches, 8 inches in the ground, and bounded the stone with mound of stone $3\frac{1}{2}$ ft. base, 15 inches high for $\frac{1}{4}$ section corner marked $\frac{1}{4}$ on W. face; and raised a mound of stone, 4 ft. base, 2 ft. high W. of corner

Impracticable to plant stone deep or dig pits.

Thence I run

South between Sections 25 and 26

Ascend

14.00 Cross spur, bears N. 30° W.

Resurvey of Subdivisions T. 6 N., R. 13 W., S.B.M.

Ascend along W. slope of same spur

23.00 Top of ridge, bears N.E. and S.W. 200 ft. above $\frac{1}{4}$ section corner.

Descend.

31.00 Gulch, 10 links wide, course N.E. 80 ft. below ridge.

Ascend.

40.00 Set a granite stone 18 x 8 x 8 inches, 14 inches in the ground, for corner to Sections 25, 26, 35 and 36, marked with 1 notch on S. and 1 notch on E. edges; and raise a mound of stone, 4 ft. base, 2 ft. high, W. of corner.

Pits impracticable.

Land mountainous.

Soil third rate.

No timber.

Mountainous land, 40.00 chains.

From the corner of Sections 25, 26, 35 and 36, $\frac{1}{4}$ run South between Sections 35 and 36

Ascend rapidly.

6.50 Top of spur, bears E. 100 ft. above section corner.

Descend.

10.40 Center of sag, 40 links wide, course E. Ascend.

12.00 Top of ridge, bears E. and W. 50 ft. above sag.

Descend.

18.00 Cross gulch 20 links wide, course S.E. 200 ft. below ridge.

Ascend.

21.00 Spur, bears S.E. 100 ft. above gulch, descend.

25.75 Gulch, 10 links wide, course E. 150 ft. below spur.

Ascend.

30.00 Spur bears S.E. 100 ft. above gulch; descend.

40.00 I again search for $\frac{1}{4}$ section corner and find no trace of said corner. Re-establish $\frac{1}{4}$ section corner at this point as follows:

Set a granite stone 16 x 8 x 4 inches, 12 inches in

Resurvey of Subdivisions of T.6 N. R.13 W., S.B.M.

the ground, for $\frac{1}{4}$ section corner, marked $\frac{1}{4}$ on W. face;
and raise a mound of stone covered with earth, $3\frac{1}{2}$ ft.
base, 2 ft. high, W. of corner.

Land mountainous.

Soil third rate.

No timber.

Mountainous land 40.00 chains.

June 13, at this corner I set off $23^{\circ}13'$ on the decl.
arc; and at 11h 59m 39s a.m., l.m.t. observe the sun
on the meridian; the resulting latitude is $34^{\circ}34.5'$

I re-run the line between Sections 25 and 36 in order
to check on the corner of Sections 25, 26, 35 and 36,
which I reestablished, I find the corner of Sections 25,
30, 31 and 36, on the E. boundary of the township which
is a small wooden plug driven in the ground at the point
where the corner post stood, traces of the old mound are
visible around the plug, but no trace of the corner post
described by the surveyor general can be found.

I remove the wooden plug and re-establish the
corner at the same point as follows:

Set a granite stone 12 x 7 x 6 inches, 9 inches in the
ground, for corner of Sections 25, 30, 31 and 36,
marked with 1 notch on S. and 5 notches on N. edges;
dig pits 18 x 18 x 12 inches in each section $5\frac{1}{2}$ ft.
distant and raise a mound of earth, 4 ft. base, 2 ft.
high, W. of corner.

June 13: at 2h p.m., I set off $34^{\circ}35'$ on the lat.arc;
 $23^{\circ}13.5'$ on the decl. arc; and determine a true meridian
with the solar at the above described corner

Thence I run

West on a random line between Sections 25 and 36

39.70 To a point 12 links S. of the $\frac{1}{4}$ section corner, which
is a post nearly obliterated in a mound of stone, $1\frac{1}{2}$

Resurvey of Subdivisions T. 6 N., R. 13 W., S.B.M.

ft. high, I re-established the corner at the same point as follows:

Set a granite stone 20 x 6 x 5 inches, 15 inches in the ground, for $\frac{1}{4}$ section corner, marked $\frac{1}{4}$ on N. face; and raised a mound of stone, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of corner. The true bearing of the line to this $\frac{1}{4}$ section corner is N. $89^{\circ}50'$ W. I continue on same line.

79.20 To point 30 links S. of the corner of Sections 25, 26, 35 and 36, which I reestablish this day.

Thence I run

S. $89^{\circ}44'$ E. on a true line between Sections 25 and 36. Descend.

12.25 Gulch, 10 links wide, course S.E. 100 ft. below section corner. Ascend.

15.50 Spur, bears S.E. 80 ft. above gulch. Descend.

39.50 The $\frac{1}{4}$ section corner already described.

Thence I run

S. $89^{\circ}50'$ E. on a true line between Sections 25 and 36. Descend.

.25 Center of gulch, 15 links wide, course S. 200 ft. below last spur. Ascend.

4.25 Spur bears S. 150 ft. above gulch.

Descend to

7.50 Gulch, 6 links wide, course S. Ascend.

10.00 Top of spur, bears S. 20° E.

Descend to

22.50 Foot of spur and enter nearly level ground bears N. and S. Descend gradually.

39.70 The corner of Sections 25, 30, 31 and 36.

Land, mountainous and level.

Soil, second and third rate.

No timber.

Mountainous land 56.70 chains.

22.50 chains level land.

June 13, 1901.

Resurvey of Subdivisions T. 6 N., R. 13 W., S.B.M.

I re-run the north $\frac{1}{4}$ of the line between Sections 25 and 26 and the line between Sections 23 and 26 in order to locate a discrepancy in closing of lines around Section 26.

June 15: at the $\frac{1}{4}$ section corner between Sections 25 and 26, I set off $23^{\circ}19'$ on the decl. arc; and at Oh Om 4s p.m., l.m.t., observe the sun on the meridian the resulting lat. is $34^{\circ}35'$

Thence I run

North on a random line between Sections 25 and 26

39.75 To a point 23 links E. of the corner of Sections 23, 24, 25 and 26, which is a Mica Schist stone $24 \times 18 \times 6$ inches above mound of stone, 4 ft. base, $1\frac{1}{2}$ ft. high marked 2 notches on S. and 1 notch on E. edges;

Thence I run

S. $0^{\circ}20'$ E. on a true line between Sections 25 and 26.

Descend rapidly.

10.76 Center of canon 200 links wide, course N. 40° E. 200 feet below section corner. Ascend.

20.82 A settler's dwelling house, bears S. $72\frac{1}{4}^{\circ}$ W. about 15.00 chains.

25.50 Road, bears N.E. and S.W.

35.26 Spur, bears N.E. 400 ft. above canon; descend

39.76 The $\frac{1}{4}$ section corner.

Land mountainous.

Soil third rate.

No timber.

Mountainous land 39.76 chains.

West on a random line between Sections 23 and 26

39.89 To a point 73 links S. of $\frac{1}{4}$ section corner which is a post, 3 inches square, 15 inches above mound of stone $4\frac{1}{2}$ ft. base, 2 ft. high; marked $\frac{1}{4}$ S. on N. face; I set a granite stone $16 \times 10 \times 5$ inches whole length in the

Resurvey of Subdivisions T. 6 N., R. 13 W., S. B. M.

mound alongside of post, marked $\frac{1}{4}$ on N. face.

The true bearing of line to this $\frac{1}{4}$ section corner is N. $88^{\circ} 57'$ W. I continue west on same line.

79.72 Intersect N. and S. line 27 links S. of the corner of Section 22, 23, 26 and 27, described on page 6 book of subdivisions T. 6 N., R. 13 W.

Thence I run

N. $89^{\circ} 20'$ E. on a true line between Sections 23 and 26
Through heavy brush; descend.

27.50 Cross brushy canon, 20 links wide, course N. 60° E.
300 ft. below section corner ascend.

30.00 Top of spur bears N. 30° E. 80 ft. above canon; descend.

33.00 Gulch, 10 links wide, course N. E. 90 ft. below spur.
Ascend.

37.50 Spur, bears N.E. 100 ft. above gulch, descend.

39.83 The $\frac{1}{4}$ section corner.

Thence I run.

S. $88^{\circ} 57'$ E. on a true line between Sections 23 and 26.

10.20 Gulch, 15 links wide, course N.E. 80 ft. below $\frac{1}{4}$ section corner. Ascend.

13.50 Spur, bears N. 60° E. 50 ft. above gulch. Descend.

25.40 Gulch, 12 links wide course N. 60° E. Ascend.

35.00 Leave brush bears E. and W.

39.90 The corner of Sections 23, 24, 25 and 26.

Land mountainous.

Soil third rate.

No timber. Undergrowth, 74.73 chains heavy chaparral.

Mountainous land 79.73 chains.

June 15, 1901.

I re-run the line between Sections 22 and 27 in order to locate the discrepancy in closing of lines around Section 27.

June 18: At the corner of Sections 21, 22, 27 and 28

I set off $23^{\circ} 26'$ on the decl. arc; and at oh on 43s p.m.

Resurvey of Subdivisions T. 6 N., R. 13 W., S.B.M.

l.m.t., observe the sun on the meridian; the resulting
lat. is $34^{\circ}36'$

Thence I run

East on a random line between Sections 22 and 27

40.00 Unable to find $\frac{1}{4}$ section corner

I set temporary $\frac{1}{4}$ section corner

83.38 To a point 2.27 chains N. of the corner of Sections 22,
23, 26 and 27.

Thence I run

N. $88^{\circ}26'$ W. on a true line between Sections 22 and 27

Through brush, descend.

31.50 Center of canon, 100 links wide, course N. 300 ft. below
section corner; ascend abruptly.

41.70 $\frac{1}{2}$ Set slate stone 20 x 10 x 8 inches, 15 inches in the
ground, for $\frac{1}{4}$ section corner marked $\frac{1}{4}$ on N. face; dig
pits 18 x 18 x 12 inches E. and W. of stone, 4 ft.
distant and raise a mound of stone and earth, $8\frac{1}{2}$ ft. base
2 ft. high N. of corner.

48.00 Top of high spur, bears N. 500 ft. above canon; descend.

51.50 Gulch, 10 links wide, course N. 60 ft. below spur;
ascend.

53.40 Spur bears N. 60 ft. above gulch; descend.

60.35 Gulch, 10 links wide, course N. 70 ft. below spur; ascend.

74.25 Spur, bears N. 70 ft. above gulch; descend.

77.80 Wire fence bears N. and S.

83.41 The corner to Sections 21, 22, 27 and 28.

Land mountainous.

Soil, rocky, third rate.

No timber.

Undergrowth, dense chaparral.

Mountainous land 83.41 chains.

Note:- I re-survey the line between Sections 21 and 28
in order to locate the error in closing of lines around

Resurvey of Subdivisions T. 6 N., R. 13 W., S.B.M.

Section 28.

June 20: I set off $23^{\circ}27'$ on the decl. arc; and at oh lm 6s. p.m., l.m.t., observe the sun on the meridian; the resulting lat. is $34^{\circ}36'$ at the corner of Sections 20, 21, 28 and 29.

Thence I run

East on a random line between Sections 21 and 28.

40.00 Unable to find $\frac{1}{4}$ section corner.

Set temporary $\frac{1}{4}$ section corner.

80.10 To a point 60 links S. of the corner of Sections 21 and 22.

Thence I run.

S. $89^{\circ}34'$ W. on a true line between Sections 21 and 28.

Through dense brush descend.

8.00 Gulch, 100 links wide, course N.W. 80 ft. below section corner ascend.

14.50 Top of spur, bears N. 100 ft. above gulch; descend.

20.00 Gulch, 80 links wide, course N.W. 150 ft. below spur
Ascend.

23.00 Spur bears N.W. 100 ft. above gulch. N. & S. Descend.
Leave brush bears/

31.00 Center of canon, 150 links wide, course N. 100 ft. below spur; ascend.

38.00 Enter brush; bears N. and S.

40.05 Set a granite stone 18 x 6 x 4 inches, 12 inches
in the ground, for $\frac{1}{4}$ section corner, marked $\frac{1}{4}$ on N.
face; and raise a mound of stone covered with earth,
 $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of corner.

49.50 Top of spur, bears N. descend.

69.00 Leave brush, bears N. and S.

69.50 Cross dry wash, 20 links wide, course N. 60° W. Ascend
gradually.

80.10 The corner of Sections 20, 21, 28 and 29.

Land mountainous.

Soil third rate.

No timber.

Resurvey of Subdivisions T. 6 N., R. 13 W., S.B.M.

Undergrowth 54.00 chains dense chaparral.

Mountainous land 80.10 chains.

June 20, 1901.

I re-run the lines between Sections 17 and 20 and between Sections 20 and 21 in order to locate the error in closure of lines around Sections 20

From the corner of Sections 17, 18, 19 and 20, which is a post, 15 inches above ground 3 inches square, marked

T. 6 N. S. 17 on N.E.

R. 13 W., S. 20 on S.E.

S. 19 on S.W. and

S. 18 on N.W. faces, I run

East on a random line between Sections 17 and 20

40.00 Being unable to find any trace of $\frac{1}{4}$ section corner, I set temporary $\frac{1}{4}$ section corner.

80.70 To a point 65 links N. of the corner of Sections 16, 17, 20 and 21, which is a post 3 inches square, whole length in mound of earth, 1 ft. high, 3 ft. base; no marks on the post;

I remove the post and

Set a quartz stone 12 x 8 x 6 inches, 10 inches in the ground for corner of Sections 16, 17, 20 and 21, marked with 3 notches on S. and 4 notches on E. edges;

Thence I run

• N. $89^{\circ}32'$ W. on a true line between Sections 17 and 20

Over rolling and broken ground; ascend

8.00 School house, bears N. about 70 links distant

20.00 Cross wire fence, bears N. and S.

40.00 Cross wire fence, bears N. and S.

40.35 Set a granite stone 16 x 8 x 6 inches, 12 inches in the ground, for $\frac{1}{4}$ section corner, marked $\frac{1}{4}$ on N. face; dig pits 18 x 18 x 12 inches, E. and W. of stone, 4 ft. distant and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.

Resurvey of Subdivisions T. 6 N., R. 13 W., S.B.M.

high N. of corner

June 26: at the $\frac{1}{4}$ section corner, I set off $23^{\circ}23'$ on the decl. arc; and at oh. 2m 26.7 s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is $34^{\circ}37'$

Ascend rapidly

44.00 Top of spur bears N.E. 300 ft. above section corner.

Descend.

51.00 Cross dry wash, 20 links wide, course N. 70 ft. below spur; ascend.

51.75 Road, bears N. and S.

Baysler dwelling house bears S. about 20 chains.

80.70 The corner of Sections 17, 18, 19 and 20.

Land mountainous.

Soil, second rate.

No timber. Mountainous land 40.70 chains.

Rolling and broken ground, 40.00 chains.

From the corner of Sections 16, 17, 20 and 21, I run

South on a random line between Sections 20 and 21

39.95 To a point 32 links W. of $\frac{1}{4}$ section corner, which is a post, 12 inches above mound of stone, 3 ft. base, 1 ft. high.

No marks on post; I remove the post and set a granite stone 16 x 10 x 6 inches, 12 inches in the ground, for $\frac{1}{4}$ section corner, marked $\frac{1}{4}$ on W. face; and raise a mound of stone, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of corner

Fits impracticable.

I continue on same line

80.20 To a point 65 links W. of corner of Sections 20 and 21, previously described.

Thence I run

N. $0^{\circ}25'$ W. on a true line between Sections 20 and 21.

Descend rapidly over N. slope of mountain.

40.25 The $\frac{1}{4}$ section corner already described.

Resurvey of Subdivisions T. 6 N., R. 13 W., S.B.M.

Wilson's dwelling house bears S.W. about 4.00 chains.

- 41.00 Foot of mountain and enter canon, bears E. and W.
descend gradually.
- 45.00 Road bears N.E. and S.W.
- 46.00 Cross road from Bouquet Canon to Palmdale, bears N.E.
and S.W.
- 47.75 Center of dry wash, 70 links wide, course N. 30° E.
Ascend gradually.
- 51.50 Cross road from Bouquet Canon to Elizabeth Lake, bears
N.W. and S.E.
- 71.40 Road bears N. 20° E. and S. 20° W.
- 80.20 The corner of Sections 16, 17, 20 and 21.
Land mountainous and rolling.
Soil, second rate.
No timber.
Mountainous land 39.20 chains.
Rolling land, 41.30 chains.

June 26, 1901.

Note:- I rerun the north and east boundaries of Sections 18, in order to locate error in closing of lines around said section.

June 27: at the corner of Sections 17 and 18, I set off 23°21' on the decl. arc; and at 0h 2m 39.2s p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 34°37'

Thence I run

North on a random line between Sections 17 and 18

- 40.00 To old $\frac{1}{4}$ section corner where I find trace of mound and pits- the post is missing. Re-establish the corner as follows:

Set a granite stone 20 x 10 x 6 inches, 15 inches in the ground, for $\frac{1}{4}$ section corner, marked $\frac{1}{4}$ on W. face; dig pits 18 x 18 x 12 inches N. and S. of stone, 4 ft. distant and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft.

Resurvey of Subdivisions T. 6 N., R. 13 W., S.B.M.
high W. of corner

79.70 Intersect the corner of Sections 7, 8, 17 & 18, which is a post 12 inches above ground; 3 inches square, marks obliterated. I remove post and reestablish the corner at the same point as follows:

Set a granite stone 20 x 10 x 8 inches, 15 inches in the ground for corner of Sections 7, 8, 17 and 18, marked with 4 notches on S. and 5 notches on E. edges; dig pits 18 x 18 x 12 inches in each Section 6 ft. distant and raise a mound of earth, 4 ft. base, 2 ft. high W. of corner
Thence I run

South on a true line between Sections 17 and 18
Over rolling hills; ascend

15.25 Road from Elizabeth Lake to Palmdale, bears E. and W.

20.12 Cross wire fence bears E. and W.

28.20 George Grove's dwelling house, bears W. about 100 links distant.

39.70 The $\frac{1}{4}$ section corner.

40.25 Cross wire fence, bears E. and W.

51.00 Cross wire fence, bears E. and W.

54.45 Cross yard fence, bears E. and W.

54.75 Andrade's dwelling house bears W. 35 links distant

55.50 Cross yard fence, bears E. and W.

60.20 Cross dry wash, 2 ft. deep, 20 links wide, course N.E.

63.25 Center of dry wash, 2 ft. deep, 50 links wide, course N. 30° E.

63.70 Begin steep ascent of ridge bears E. and W.

Enter heavy brush bears E. and W.

79.70 The corner of Sections 17 and 18.

Land mountainous and rolling.

Soil first and second rates.

No timber.

Undergrowth 16.00 chains dense chaparral.

Mountainous land 16.00 chains.

Rolling land 63.70 chains.

June 27, 1901.

Resurvey of Subdivisions of T. 6 N., R. 13 W. S.B.M.

June 25: at 8h 25m a.m., l.m.t., I set off $34^{\circ}38'$ on the lat.arc. $23^{\circ}19'$ on the decl.arc; and determine a true meridian with the solar at the corner of Sections 7, 8, 17 & 18
Thence I run

West on a random line between Sections 7 and 18

39.80 To a point 182 links N. of $\frac{1}{4}$ section corner, which is a greatly decayed post in mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, I remove post and

Set a granite stone $14 \times 8 \times 8$ inches, 10 inches in the ground, for $\frac{1}{4}$ section corner marked $\frac{1}{4}$ on N. face; and raised a mound of stone, covered with earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of corner.

The true bearing of line to this $\frac{1}{4}$ section corner is S. $87^{\circ}23'$ W.

From $\frac{1}{4}$ section corner I continue west on random line

76.40 Count/^{ing} from section corner to a point 2.08 chains N. of the corner of Sections 7, 12, 13 and 18, on the W. boundary of the township, which is a post 3 inches in diameter, 12 inches above mound of stone, 4 ft. base, 2 ft. high marked

T. 6 N.R. 14 W.S. 7 on E. and

T. 6 N.R. 14 W.S. 12 on W. sides; I

Set a granite stone $20 \times 12 \times 4$ inches, whole length in mound of stone alongside of post; marked with 4 notches on S. and 2 notches on N. edges;

From this corner a dwelling house bears S.E. about 10.00 chains.

Thence I run

N. $86^{\circ}45'$ E. on a true line between Sections 7 and 18.
Descend gradually.

11.40 Cross dry wash, 20 links wide, course S. 50° E. Ascend.

35.00 Cross ravine, 1 ft. deep 5 links wide, course S.

36.66 The $\frac{1}{4}$ section corner

Thence I run

N. $87^{\circ}23'$ E. on a true line between Sections 7 and 18.

Resurvey of Subdivisions of T. 6 N., R. 13 W. S.B.M.

- .84 Cross point off spur bears N. and S.
Descend gradually to
- 10.34 Bottom of depression bears N. 50° E. and S. 50° W.
Ascend.
- 16.00 Foot of spur, bears N. and S. Ascend rapidly.
- 20.50 Top of spur, bears N. Descend.
- 39.84 The corner of Sections 7, 8, 17 and 18.
Land mountainous.
Soil second rate.
No timber.
Mountainous land 76.50 chains.

June 25, 1901.

GEORGE W. PEARSON

U.S. Deputy Surveyor.

Surveyed by George W. Pearson, Deputy Surveyor
Contract dated April 8, 1901.

T. 5 N., R. 13 W., S.B.M.

North, on a true line bet. Secs. 1 and 2.

Var. 14° 25' E.

x x x x x

- 104.80 Intersect 1st. Standard line N. 11.14 chs. W. of Standard
cor. to Secs. 31 and 36, of Tp. 6 N., R. 12 and 13 W. and
Set post 4 in. sq., 1 ft. in earth; 1 ft. above stone
mound, 4½ ft. in diam. at base by 2 ft. in height for
closing corner to Secs. 1 and 2.
Land mountainous; Soil 2nd rate.
Timber and undergrowth of oak, cedar and redwood.

Dec. 2, 1879.

North on a true line bet. Secs. 2 and 3.

Var. 14° 25' E.

x x x x x

- 104.98 Intersect 1st. Standard line North 10.54 chs. W. of cor.
to Secs. 35 and 36 of T. 6 N. R. 13 W. and

T. 5 N., R. 13 W. S.B.M.

Set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, $4\frac{1}{2}$ ft. in diam. at base by 2 ft. in height for closing cor. to Secs. 2 and 3

Land mountainous. Soil 2nd rate.

Timber and undergrowth of oak and cedar.

North on a true line bet. Secs. 3 and 4

Var. $14^{\circ} 25'$ E.

x x x x x x x x x x

104.67 Intersect 1st. Standard line N. 9.00 chs. W. of Standard cor. to Secs. 34 and 35 of T. 6 N. R. 13 W. and set post 4 in.sq., 1 ft. in earth, 1 ft. above stone mound, $4\frac{1}{2}$ ft. in dia. at base by 2 ft. in height, for closing cor. to Secs. 3 and 4.

Land mountainous. Soil 2nd rate.

Timber and undergrowth of oak and cedar

North on a true line bet. Secs. 4 and 5.

Var. $14^{\circ} 25'$ E.

x x x x x x x x x x

104.50 Intersect 1st. Standard line N. 8.87 chs. W. of standard cor. to Secs. 33 and 34, of Tp. 6 N. R. 13 W. —

Not finding this a suitable place to build a mound I

Set post 4 in.sq., 1 ft. in earth, 1 ft. above stone mound, $4\frac{1}{2}$ ft. in dia. at base by 2 ft. in height, 1.27 lks. E. for Witness Post to closing cor. to Sections 4 and 5.

Land mountainous. Soil 2nd rate.

Timber and undergrowth of oak and cedar.

North on a true line bet. Secs. 5 and 6.

Var. $14^{\circ} 25'$ E.

x x x x x x x x x x

105.40 Intersect 1st. Standard line N. 8.70 chains W. of cor. to Secs. 32 and 33 of Tp. 6 N. R. 13 W. and

T. 5 N., R. 13 W., S. B. M.

Set post, 4 in. sq., 1 ft. in earth, 1 ft. above
stone mound, $4\frac{1}{2}$ ft. in diam. at base by 2 ft. in
height for closing cor. to Secs. 5 and 6.

A large Spring, bears S. 20° E. about 10.00 chs. dist.

Ruz' House, not in sight, about S.E.

Land Mountainous. Soil 1st and 2nd rate.

Timber and undergrowth of oak and cedar.

Dec. 11, 1879.

Surveyed by W.H. Norway, Deputy Surveyor.

Contract dated October 10, 1879.

UNITED STATES SURVEYOR-GENERAL'S OFFICE
SAN FRANCISCO, CALIFORNIA
DECEMBER 17, 1857

I certify that the foregoing transcript of field notes of the
survey of the Exterior boundaries and subdivisions of
T. 6 N., R. 13 W. of the San Bernardino Meridian, California,
has been correctly copied from the original notes on file in
this office.

J. W. MANDEVILLE

UNITED STATES SURVEYOR-GENERAL FOR CALIFORNIA

(SEAL)