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R. 14 W.

36	31	32	33	34	35	36	31
1	6	43 5	31 4	3	2	1	6
12	<sup>42</sup> 7	<sup>42</sup> 8	<sup>30</sup> 9	<sup>23</sup> 10	<sup>17</sup> 11	12	7
13	<sup>40</sup> 18	<sup>29</sup> 17	<sup>22</sup> 16	<sup>16</sup> 15	<sup>10</sup> 14	13	18
24	<sup>35</sup> 19	<sup>27</sup> 20	<sup>21</sup> 21	<sup>14</sup> 22	<sup>9</sup> 23	24	19
25	<sup>33</sup> 30	<sup>26</sup> 34 29	<sup>19</sup> 28	<sup>13</sup> 27	<sup>9</sup> 26	32 5	30
36	<sup>33</sup> 31	<sup>26</sup> 32	<sup>18</sup> 33	<sup>11</sup> 34	<sup>7</sup> 35	<sup>7</sup> 36	31
	1	2	3	4	5	5	
1	6	5	4	3	2	1	6

T. 6 N.

T. 6 N.

R. 14 W.

Chains

Resurvey of the First Standard Parallel North, Through Range 14 West, S. B. M.

By inspection of the First Standard line North through range 14 West, I have ascertained that many of the corners on said line are missing. In order to begin the survey to be made in T. 6 N., R. 14 W., I must re-establish the missing corners in this line.

June 29; at 9 h, A. M., l.m.t., I set off  $34^{\circ} 34'$  on the lat. arc;  $23^{\circ} 16'$  on the decl. arc; and determine a true meridian with the solar at the Standard cor. of T. 6 N., Rs. 13 and 14 W.

Thence I run

West on a random line on the 1st. Standard line North through Range 14 West, setting temp.  $\frac{1}{4}$  sec. cor. and sec. cors. at intervals of 40.00 chs. after a careful search for the last corners; at 400.00 chs. I find the Standard cor. of secs. 31 and 32 which is a Schist stone 24 x 18 x 8 ins. in mound of stone. marked S. C. on N. with 5 grooves on E. and 1 groove on W. faces; I remove this cor. and re-establish it at the same point as follows:

Set the same Schist stone 18 ins. in the ground for Standard cor. of secs. 31 and 32, marked S. C. on N. with 5 grooves on E. and 1 groove on W. faces; and raise a mound of stone, covered with earth, 4 ft. base  $1\frac{1}{2}$  ft. high N. of cor; from Standard cor. I continue

West on a random line on S. bdy. sec. 31.  
At 40.00 chs. set temp.  $\frac{1}{4}$  sec. cor.

At 59.08 chs. counting from Standard sec. cor. witness  $\frac{1}{4}$  sec. cor. to Standard  $\frac{1}{4}$  sec. cor. bears North 40 lks. which is a live oak 16 ins. diam. marked  $\frac{1}{4}$  S. W. C.

81.97

I continue on same line; at (81.79) chs. the Standard cor. of T. 6 N., Rs. 14 and 15 W., bears north 20 lks.; which is a Schist stone 18 x 6 x 5 ins. in a mound of stone, marked S. C. on N. with 6 grooves on N. E. and W. faces; in addition, I marked this stone; T.6 N. on N., R. 14 W., on E. and R. 15 on W. faces; and raise a mound of stone, 4 ft. base, 2 ft. high, N. of cor.

July 1; At 3h 5m., P. M., l.m.t., I set off  $34^{\circ} 34'$  on the lat. arc; and  $23^{\circ} 8'$  on the decl. arc; and determine a true meridian with the solar at this cor.

Thence I run

S.  $89^{\circ} 52'$  E. on a true line on S. bdy. of sec. 31.  
Through dense brush descend rapidly.

22.89 A point 26 lks. S. of witness cor. to Standard  $\frac{1}{4}$  sec. cor. which is reported in the official filed notes as standing 120 lks. E. of the true point for  $\frac{1}{4}$  sec. cor.

As this cor. is defective in both alignment and measurement and is not the cor. of any surveyed subdivisions, I cut out the mark on the tree and re-establish the cor. on the true line and in the proper position.

23.00 Leave brush bears N. and S.

Re-survey of the First Standard North, Through Range 14 West, S. B. M.

- 23.77 Road from Palmdale to San Fernando, bears N. and S.
- 24.62 Cross stream, 5 lks. wide in Boquet Canon, course S. W.  
Ascend gradually.
- 37.00 Leave canon and ascend foot of brushy mountain, bears N. E.  
and S. W. Ascend rapidly.
- Difference between measurements of 41.97 chs; by two sets of  
chainmen is 18 lks. position of middle point.
- By 1st 41.88 chs.  
By 2nd. set 42.06 chs; the mean of which is
- 41.97 Set a Schist stone 20 x 6 x 6 ins. 15 ins. in the ground, for  
Standard  $\frac{1}{4}$  sec. cor. marked S. C.  $\frac{1}{4}$  on N. faces; and raise a  
mound of stone, covered with earth,  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high,  
N. of cor.
- 59.60 Spur, bears N. 600 ft. above canon; descend.
- 65.80 Gulch 15 lks. wide, course N. 200 ft. below spur; ascend abruptly.
- 76.90 Top of steep ascent, and ascend gradually.
- 78.90 Leave dense brush bears N. and S.
- Difference between measurements of 81.97 chs. by two sets of  
chainmen of 25 lks. position of middle point
- By 1st set 81.84 $\frac{1}{2}$  chs.  
By 2nd set 82.09 $\frac{1}{2}$  chs., the mean of which is
- 81.97 The Standard cor. of secs. 31 and 32, already described.  
Land, rugged mountainous.
- Soil 3rd rate
- Timber, a few scattering live oak along canon
- Undergrowth, 64.90 chs. dense chaparral
- Mountainous land, 81.97 chs.

June 29, and July 1, 1901.

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July 2; at 7h. 25m. 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 Standard cor. of secs. 31 and 32.

Thence I run

East on a true line on S. bdy. of sec. 32.

Along N. slope of mountain

3.00 Enter heavy brush; descend

38.50 Gulch 16 lks. wide, course N. W. Ascend  
Difference between measurements of 40.00 chs. by two sets of  
chainmen is 14 lks. position of middle point

By 1st set 39.93 chs.  
By 2nd set 40.07 chs; the mean of which is

Re-survey of the First Standard Parallel North, Through Range 14 W., S.B.M.

40.00 Set a Mica Schist stone 16 x 10 x 4 ins., 12 ins. in the ground for Standard  $\frac{1}{4}$  sec. cor. marked S. C.  $\frac{1}{4}$  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 cor.

60.00 Top of ridge, bears S.  $60^\circ$  W. and East. Descend over summit.

65.00 Begin steep descent of S. slope of ridge.

Difference between measurements of 80.00 chs. by two sets of chainmen is 15 lks. position of middle point

By 1st set 79.92 $\frac{1}{2}$

By 2nd set 80.07 $\frac{1}{2}$  chs. the mean of which is

80.00 Set a Mica Schist stone 16 x 6 x 6 ins., 12 ins. in the ground, for Standard cor. of secs. 32 and 33, marked S. C. on N. with 2 grooves on W. and 4 grooves on E. faces, and raise a mound of stone covered with earth, 4 ft. base, 2 ft. high N. of cor.

Land, mountainous

Soil, rocky, 3rd rate.

No timber.

Undergrowth, 77.00 chs. dense chaparral.

Mountainous land 80.00 chs.

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East on a true line on S. bdy. sec. 33

Through dense brush; descend along S. slope of mountain

39.50 Leave brush, bears N. and S.

Difference between measurements of 40.00 chs. by two sets of chainmen of 8 lks. position of middle point.

By 1st set 39.96 chs.

By 2nd set 40.04 chs; the mean of which is

40.00 Set a Mica Schist stone 16 x 8 x 5 ins., 12 ins. in the ground, for Standard  $\frac{1}{4}$  sec. cor., marked S. C.  $\frac{1}{4}$  on N. face; raise a mound of stone, covered with earth, 4 ft. base, 2 ft. high N. of cor.

July 2nd, at this  $\frac{1}{4}$  sec. cor. I set off  $23^\circ 4'$  on the decl. arc and at Oh 3m. 38.98s. P. M., l.m.t., observe the sun on the meridian, the resulting lat. is  $34^\circ 34'$

Along S. slope of mountain.

50.00 Begin gradual ascent bears N. and S.

61.00 Enter brush, bears N. and S.

68.75 Closing cor. of secs. 4 and 5, T. 5 N., R. 14 W. which is a stone in stone mound.

Difference between measurements of 80.00 chs. by two sets of chainmen is 19 lks. position of middle point.

By 1st set 79.90 $\frac{1}{2}$  chs.

By 2nd set 80.80 $\frac{1}{2}$  chs., the mean of which is

Re-survey of the First Standard Parallel North Through Range 14 West, S. B. M.

80.00 Set a granite stone 20 x 10 x 3 ins., 15 ins. in the ground, for Standard cor. of secs. 33 and 34, marked S. C. on N. with 3 grooves on E. and W. faces; and raise a mound of stone covered with earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

Land, mountainous.  
Soil, rocky, 3rd rate  
No timber  
Undergrowth, 58.50 chs. dense chaparral.  
Mountainous land, 80.00 chs.

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East on a true line on S. bdy. of sec. 34  
Through brush; ascend

.50 Top of ascent, bears N. and S. Descend  
19.80 Gulch 30 lks. wide, course S. 200 ft. below ascent.  
Ascend

28.70 Top of ascent bears N. and S. 200 ft. above gulch, along S. slope of mountain; descend.

Difference between measurements of 40.00 chs. by two sets of chainmen is 12 lks. position of middle point

By 1st set 39.94 chs.  
By 2nd set 40.06 chs., the mean of which is

40.00 Set a porphyry stone 16 x 8 x 5 ins., 12 ins. in the ground, for Standard  $\frac{1}{4}$  sec. cor. marked S. C.  $\frac{1}{4}$  on N. face; and raise a mound of stone, covered with earth, 4 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

July 2, 1901

July 3, at 8h, A. M., l.m.t., I set off  $34^{\circ} 34'$  on the lat. arc;  $23^{\circ} 0.5'$  on the decl. arc; and determine a true meridian with the solar at the Standard  $\frac{1}{4}$  sec. cor. on S. bdy. sec. 34.

Thence I run  
East on a true line on S. bdy sec. 34  
Counting distances from Standard cor. of secs. 33 and 34  
Through brush; descend

51.00 Begin steep descent bears N. and S.

65.00 Gulch 16 lks. wide, course S. E. Ascend

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

Difference between measurements of 80.00 chs. by two sets of chainmen is 6 lks. position of middle point

By 1st set 79.97 chs.  
By 2nd set 80.03 chs., the mean of which is

80.00 Set a granite stone 24 x 20 x 4 ins. 18 ins. in the ground, for Standard cor. of secs. 34 and 35, marked S. C. on N. with 4 grooves on W. and 2 grooves on E. faces, and raise a mound of stone covered with earth, 4 ft. base, 2 ft. high, N. of cor.

Land mountainous  
Soil, rocky, 3rd rate  
No timber  
Undergrowth, 80.00 chs. of chaparral.  
Mountainous land, 80.00 chs.

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Resurvey of the First Standard Parallel North, Through Range 14 West, S. B. M.

East on a true line on S. bdy. sec. 35  
Through brush, descend  
Along S. slope of mountain

- 8.00 A spring bears N. 15 lks.
- 34.50 Gulch, 12 lks. wide, course S. E. Ascend.  
Difference between measurements of 40.00 chs. by two sets of chainmen is 14 lks. position of middle point  
By 1st set 39.93 chs.  
By 2nd set 40.07 chs., the mean of which is
- 40.00 Set a Mica Schist stone 20 x 6 x 5 ins. 15 ins. in the ground for Standard  $\frac{1}{4}$  sec. cor. marked S. C.  $\frac{1}{4}$  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 cor.
- 41.05 Summit of spur, bears S. 60 ft. above gulch  
Descend over a succession of low brushy spur.
- 70.00 Gulch 15 lks. wide, course S. Ascend  
Difference between measurements of 80.00 chs. by two sets of chainmen is 20 lks. position of middle point  
By 1st set 39.90 chs.  
By 2nd set 40.10 chs., the mean of which
- 80.00 Set a granite stone 14 x 9 x 6 ins. 10 ins. in the ground for Standard cor. of secs. 35 and 36, marked S. C. on N. with 5 grooves on W. and 1 groove on E. face and raise a mound of stone, covered with earth, 4 ft. base, 2 ft. high, N. of cor.  
Land, mountainous.  
Soil, rocky, 3rd rate  
No timber  
Undergrowth, low chaparral 80.00 chs.  
Mountainous land 80.00 chs.  
July 3: at this cor. I set off  $22^{\circ}59'$  on the decl. arc and at Oh, 3m. 50.2s P.M., l.m.t., observe the sun on the meridian; the resulting lat. is  $34^{\circ}34'$

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East on a true line on S. bdy. of sec. 36  
Through brush, ascend

- 8.00 Spur bears S. 200 ft. above Standard Cor.  
Descend abruptly
- 20.25 Bottom of deep gulch, 30 lks. wide, course S. 400 ft. below spur; ascend.
- 22.50 A spring bears S. about 200 lks.
- 38.00 Top of ascent bears N. and S.  
Thence along S. slope of summit.

Re-survey of the First Standard Parallel North Through Range 14 West, S. B. M.

Difference between measurements of 40.00 chs. by two sets of chainmen is 22 lks. position of middle point

By 1st set 39.89 chs.  
By 2nd set 40.11 chs., the mean of which is

40.00 Set a quartzite stone 15 x 10 x 4 ins., 10 ins. in the ground for Standard  $\frac{1}{4}$  sec. cor., marked S. C.  $\frac{1}{4}$  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 cor.

Descend.

67.50 Gulch 12 lks. wide, course S.  
Ascend

69.50 Spur bears S. 60 ft. above gulch; descend abruptly.

79.00 Gulch 10 lks. wide, course S. W. 200 ft. below spur

Ascend

Difference between measurements of 80.00 chs. by two sets of chainmen is 16 lks. position of middle point

By 1st set 79.92  
By 2nd set 80.08 chs., the mean of which is

80.00 The Standard cor. of T. 6 N., Rs. 13 and 14 W.

Land, mountainous

Soil, rocky, 3rd rate

No timber

Undergrowth, dense chaparral 80.00 chs.

Mountainous land 80.00 chs.

July 3, 1901.

George W. Pearson, U.S. Deputy Surveyor

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Subdivisions of T. 6 N., R. 14 W., S.B.M.

Survey commenced July 3, 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 U. S. Surveyor-General for California May 29, 1901.

I gave the instrument a careful examination and find the adjustments correct. Preliminary to beginning the subdivision of T. 6 N., R. 14 W, I test the solar apparatus, at my camp in the N. W.  $\frac{1}{4}$  of sec. 20: I proceed as follows:

July 3; At 5h, 3m, P.M., l.m.t., I set off  $34^{\circ} 36'$  on the lat. arc;  $22^{\circ} 59'$  on the decl. arc; and determine a true meridian with the solar; I mark a point in this line on a wooden plug driven in the ground 4.50 chs. N. of my station.

July 3, 1901.

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July 4; At 0h. 37' A. M., l.m.t., I observe Polaris at Eastern elongation and mark a point thereof on a wooden plug driven in the ground 4.50 chs. N. of my station.

At 7h. 30m. A. M., l.m.t., I lay off the azimuth of Polaris  $1^{\circ} 29'$  to the west and mark a point on the true meridian thus determined on the wooden plug set July 3, 4.50 chs. N. of my station.

Subdivisions of T. 6 N., R. 14 W., S. B. M.

At 8h. A. M., l.m.t., I set off  $34^{\circ} 36'$  on the lat. arc;  $22^{\circ} 55.5'$  on the decl. arc; and determine a true meridian with the solar. I mark a point in this line on the wooden plug already set 4.50 chs. N. of my station. The true meridians established with the solar substantially agree with the true meridian established by observations on Polaries; therefore, I conclude the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8h. A. M. is N.  $14^{\circ} 46'$  W. the mean mag. decl. is  $14^{\circ} 42'$  E.

Note:- I make these observations at my camp, because the south boundary of the township is not accessible after night-fall, the country being very steep, rough and brushy.

July 4, 1901

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July 5; At 7h. 45m. A. M., l.m.t., I set off  $34^{\circ} 34'$  on the lat. arc;  $22^{\circ} 50'$  on the decl. arc; and determine a true meridian with the solar at the Standard cor. of secs. 35 and 36 - Thence I run

N.  $0^{\circ} 1'$  W. bet. secs. 35 and 36  
Through brush; descend

- .75 Ravine 8 lks. wide, course S. W. 20 ft. below Standard cor.  
Ascend
- 34.00 Leave brush bears E. and W.
- 40.00 Set Porphyry stone 16 x 13 x 4 ins. in mound of stone 3 ft. base, 1 ft. high; 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 cor. Impracticable to sink stone in bed rock.
- 45.00 Summit of divide between Santa Clara and Boquet Canon, bears E. and W. 1200 ft. above Standard cor; descend N. slope
- 50.50 Enter brush bears E. and W.
- 80.00 Set a Porphyry stone 14 x 12 x 6 ins., 10 ins. in the ground for cor. to secs. 25, 26, 35 and 36 marked with 1 notch on E. and 1 notch on S. edges; dig pits 18 x 18 x 12 ins. in each sec.  $5\frac{1}{2}$  ft. dist. and raise a mound of earth 4 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

Land, mountainous  
Soil, 3rd rate  
No timber  
Undergrowth 63.50 chs. dense chaparral.  
Mountainous land, 80.00 chs.

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

- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.00 Intersect E. bdy. of Tp. 20 lks. N. of the cor. of secs. 25, 30, 31 & 36.  
Thence I run
- N.  $89^{\circ} 51'$  W. on a true line bet. secs. 25 and 36.  
Through brush; descend.
- 14.00 Leave brush and enter opening bears N. and S.
- 26.00 Cross ravine 15 lks. wide, course N.  
Enter brush bears N. and S.; ascend



Subdivisions of T.6 N., R.14 W., S. B. M.

- 32.00 Top of ascent bears N. and S.  
Descend.
- 40.00 Set Porphyry stone 18x 10 x 4 ins., 12 ins. in the ground for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on N. face; dig pits 18 x 18 x 12 ins. E. and W., of stone 5 ft. dist. and raise a mound of earth and stone  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high N. of cor.  
  
Descend rapidly.
- 68.10 Enter canon 100 lks. wide, course N. W. 600 ft. below top of ascent.  
Ascend
- 80.00 The cor. of secs. 25, 26, 35 and 36.  
Land, mountainous  
Soil, 3rd rate  
No timber  
Undergrowth 68.00 chs. of Chaparral  
Mountainous land, 80.00 chs.
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- July 5: At this cor. I set off  $22^{\circ} 49'$  on the decl. arc; and at Oh, 4m. 11.5s. P. M., l.m.t., observe the sun on the meridian, the resulting lat. is  $34^{\circ} 35'$   
N.  $0^{\circ} 1'$  W. bet. secs. 25 and 26  
Through dense brush; descend
- 14.25 Center of Canon, 100 lks. wide, course N.  $65^{\circ}$  W. 200 ft. below sec. cor. Ascend.
- 21.00 Top of ridge bears N.  $65^{\circ}$  W. and S.  $65^{\circ}$  E. 300 ft. above Canon.  
Descend
- 40.00 Set a Porphyry stone 30 x 14 x 12 ins., 24 ins. in the ground for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on W. face and raise a mound of stone covered with earth 4 ft. base, 2 ft. high W. of cor.
- 54.75 Enter Boquet Canon course W.  
Leave brush bears E. and W.
- 59.75 Road from Boquet Canon to Palmdale bears E. and W.
- 60.75 Dry wash 25 lks. wide, course W.
- 61.00 Wire fence bears E. and W.
- 62.00 Leave Canon and ascend brushy spur bears E. and W.
- 68.00 Top of spur bears W. Descend
- 70.50 Foot of spur bears E. and W. Leave brush bears E. and W.  
Thence ascending along W. slope of same spur
- 80.00 Set a granite stone 16 x 8 x 6 ins., 12 ins. in the ground for cor. of secs. 23, 24, 25 and 26, marked with 2 notches on S. and 1 notch on E. edges; and raise a mound of stone covered with earth 4 ft. base, 2 ft. high, W. of cor.  
Land, mountainous and broken  
Soil, 2nd and 3rd rates  
Timber, a few scattering live oak in Boquet Canon  
Undergrowth 63.25 chs. dense chaparral.  
Mountainous land 72.75 chs.  
Broken land in Canon 7.25 chs.

July 5, 1901.

Subdivisions of T. 6 N., R. 14 W., S. B. M.

July 6: At 7h. 12m, A. M., l.m.t., I set off  $34^{\circ}36'$  on the lat. arc;  $22^{\circ}45'$  on the decl. arc; and determine a true meridian with the solar at the cor. to secs. 23, 24, 25 and 26 - Thence I run S.  $89^{\circ} 51'$  E. on a random line bet. secs. 24 and 25.

- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.80 Intersect E. bdy. of the Tp. 20 lks. S. of the cor. of secs. 19, 24, 25 and 30  
Thence I run West on a true line bet. secs. 24 and 25.  
Ascend gradually
- 7.25 Enter brush bears N. and S. Ascend abruptly.
- 10.70 Summit of divide bet. Boquet Canon and Wilson's Canon, bears N.W. and S. E. 100 ft. above sec. cor.  
  
Descend.
- 19.30 Gulch 16 lks. wide, course S. 75 ft. below divide  
Ascend abruptly
- 22.00 Spur bears S. 80 ft. above gulch  
Descend
- 34.50 Gulch 15 lks. wide, course S. 100 ft. below spur  
Ascend
- 37.00 Spur bears S. 80 ft. above gulch  
Descend
- 39.90 Set Porphyry stone 16 x 8 x 5 ins., 12 ins. in the ground for  $\frac{1}{4}$  sec. cor. 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 cor.
- 40.10 Cross gulch 8 lks. wide, course S. 80 ft. below spur.  
Ascend
- 44.90 Top of spur bears S. 60 ft. above gulch  
Descend
- 54.10 Gulch 10 lks. wide, course S. 100 ft. below spur  
Ascend
- 64.80 Spur bears S. W. 150 ft. above gulch;  
Descend
- 78.00 Leave brush bears N. and S.
- 79.80 The cor. of secs. 23, 24, 25 and 26.  
Land, mountainous.  
Soil, 3rd rate  
No timber  
Undergrowth 70.75 chs. of chaparral  
Mountainous land 79.80 chs.
- 
- N.  $0^{\circ} 1'$  W. bet. secs. 23 and 24  
Ascend
- 11.40 Enter brush bears E. and W.
- 40.00 Set a Quartzite stone 18 x 12 x 8 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on W. face; and raise a mound of stone  $3\frac{1}{2}$  ft. base, 2 ft. high, W. of cor.  
Pits impracticable.

Subdivisions of T. 6 N., R. 14 W., S. B. M.

July 6: At this cor. I set off  $22^{\circ}43'$  on the decl. arc; and at 0h, 4m. 22.17s., P. M., l.m.t., observe the sun on the meridian; the resulting lat. is  $34^{\circ}37'$

- 54.70 Summit of ridge bears E. and W. 1000 ft. above sec. cor.  
Descend
- 80.00 Set quartz stone 20 x 16 x 5 ins. 15 ins. in the ground for cor. of secs. 13, 14, 23 and 24 marked with 3 notches on S. and 1 notch on E. edges and raise a mound of stone covered with earth 4 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.
- Land, mountainous  
Soil, 3rd rate  
No timber  
Undergrowth, 68.60 chs. of dense chaparral  
Mountainous land 80.00 chs.
- 
- East on a random line bet. secs. 13 and 24.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.65 Intersect E. bdy. of the Tp. at the cor. of secs. 13, 18, 19 and 24.  
Thence I run  
West on a true line bet. secs. 13 and 24.  
Through brush; ascend
- 12.15 Cross ravine 30 ft. deep 12 lks. wide, course N.
- 14.65 Spur bears N. 80 ft. above ravine  
Descend
- 19.60 Gulch 16 lks. wide, course N. 60 ft. below spur  
Ascend
- 22.65 Top of ridge bears N. and S. 100 ft. above gulch  
Descend
- 35.60 Gulch 18 lks. wide, course N.  $50^{\circ}$  W.  
Ascend
- 39.82 $\frac{1}{2}$  Set a granite stone 15 x 10 x 5 ins., 10 ins. in the ground for  $\frac{1}{4}$  sec. cor. 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 cor.
- 40.75 Spur bears N. and descend
- 45.00 Gulch 8 lks. wide, course N.  
Ascend
- 50.70 Spur bears N. 50 ft. above gulch  
Descend
- 56.10 Gulch 10 lks. wide, course N. 50 ft. below spur  
Ascend
- 60.50 Spur bears N. 50 ft. above gulch  
Descend
- 64.50 Gulch 10 lks. wide, course N. 80 ft. below spur  
Ascend
- 67.40 Spur bears N. 70 ft. above gulch  
Descend
- 73.10 Gulch 12 lks. wide, course N.  
Ascend
- 76.00 Spur bears N. descend

Subdivisions of T. 6 N., R. 14 W., S. B. M.

- 78.30 Gulch 8 lks. wide, course N.  
Ascend.
- 79.65 The cor. to secs. 13, 14, 23 and 24.  
Land, mountainous  
Soil, 3rd rate  
No timber  
Undergrowth 79.65 chs. dense chaparral  
Mountainous land 79.65 chs.

July 6, 1901

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July 8: At 8h, 15m.A.M., 1.m.t. I set off  $34^{\circ} 34.5$  on the lat. arc;  
 $22^{\circ} 32'$  on the decl. arc; and determine a true meridian with the  
solar at the Standard cor. of secs. 34 and 35 on the S. bdy. of the Tp.

Thence I run  
N.  $0^{\circ} 1'$  W. bet. secs. 34 and 35.  
Through dense brush; descend

- 2.50 Cross gulch 8 lks. wide, course E. Ascend
- 10.00 Summit of spur bears E. 60 ft. above gulch  
Descend
- 11.25 Cross gulch 6 lks. wide, course S. E. 50 ft. below spur;  
Ascend rapidly
- 35.00 Summit of divide bet. Boquet Canon and Santa Clara 400 ft. above  
gulch. Descend
- 40.00 Set a schist stone 18 x 12 x 4 ins. 14 ins. in the ground for  $\frac{1}{4}$  sec.  
cor. marked  $\frac{1}{4}$  on W. face; dig pits 18 x 18 x 12 ins. N. and S. of  
stone 3 ft. dist. and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft.  
high W. of cor.
- 64.00 Leave brush bears E. and W.
- 69.00 Cross gulch 3 ft. deep, 10 lks. wide, course S. W.
- 80.00 Set a quartz stone 14 x 12 x 10 ins., 10 ins. in the ground for cor.  
of secs. 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 cor.
- Land mountainous  
Soil, rocky; 3rd rate; No timber  
Undergrowth, 64.00 chs. dense chaparral  
Mountainous land, 80.00 chs.

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East, on a random line bet. secs. 26 and 35

- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.10 Intersect N. and S. line 5 lks. N. of cor. of secs. 25, 26, 35 and 36.  
Thence, I run  
N.  $89^{\circ} 58'$  W. on a true line bet. secs. 26 and 35.  
Along N. slope of mountain and through brush; ascend
- 14.00 Top of ascent bears N. and S. Descend
- 28.00 Cross gulch 12 lks. wide, course N.  $30^{\circ}$  W. Ascend
- 37.50 Spur bears N. 200 ft. above gulch; descend.
- 40.05 Set a Porphyry stone 16 x 7 x 5 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec.  
cor. marked  $\frac{1}{4}$  on N. face; dig pits 18 x 18 x 12 ins. E. and W. of  
stone 4 ft. dist. and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high  
N. of cor.