

COPY OF FIELD NOTES

IN

T. 8 N., R. 16 W.

Surveyed by Geo. W. Pearson, 1901.

(Copied from Vol. 408, Sec. 14, Pgs. 5 - 32 in U.S. Cadastral Engineer's Office, Glendale, California, by A. C. Johnson. Compared by A. J. Baritell).

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

G W PEARSON 1901

Francis E. Joy 1924

T. 8 N., R. 16 W., S. B. M.
Copied by A. C. Johnson from United States Cadastral
Engineer's Office, Glendale, Calif.

Vol. 408, Sec. 13, page no. 5

Survey commenced Aug. 7, 1901, executed with a John Roach Solar Compass with telescopic attachment. The instrument was examined, tested on 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. I test the solar apparatus by comparing its indications resulting from solar observations made during P. M. and A. M. hours with true meridian determined by observation on Polaris, which I establish at my camp in S.E. $\frac{1}{4}$ of Sec. 25, Aug. 3, 1901. I find that the true meridian determined with the solar agrees with the true meridian determined by observation on Polaris; therefore I conclude the adjustments of the instrument are satisfactory.

Aug. 7: At 8h. A.M. l.m.t. I set off $34^{\circ}43.5'$ on the latitude arc; $16^{\circ}32'$ on the decl. arc; and determine a true meridian with the solar at the corner of Secs. 1, 2, 35 and 36 on the S. boundary of the township thence I run N. $0^{\circ}1'$ W. on a random line between Secs. 35 and 36.

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

80.40 To a point 23 lks. W. of the corner of Secs. 25, 26, 35 and 36 where I find trace of old mound; the post being entirely obliterated.

Re-establish this corner at the same point as follows:

Set a granite stone $18 \times 14 \times 6$ ins. 14 ins. in the ground on corner of Secs. 25, 26, 35 and 36 marked with 1 notch on S. and E. edges and raise a mound of stone covered with earth, $4\frac{1}{2}$ ft. base, 2 ft. high W. of corner.

Thence I run S. $0^{\circ}9'$ W. on a true line between Secs. 35 and 36.

Ascend.

Subdivision T. 8 N., R. 16 W., S.B.M.

- 13.40 Top of spur brs. N.E. Descend.
- 20.20 Cross gulch 20 lks. wide, 100 ft. below spur, course N.
20° E. Ascend.
- 36.90 Top of spur 120 ft. above gulch brs. N.W. descend.
- 37.00 Enter scattering timber brs. E. and W.
- 39.20 Cross gulch 10 lks. wide. Course W. Ascend.
- 40.20 Set a granite stone 16x8x5 ins. 12 ins. in ground for $\frac{1}{4}$
section corner, marked $\frac{1}{4}$ on W. face from which
- A pine 12 ins. diam. brs. N. 19 $\frac{1}{2}$ ° E.
85 lks. dist., marked $\frac{1}{4}$ S. B. T.
A pine 13 ins. diam. brs. N. 18° W.
62 lks. dist., marked $\frac{1}{4}$ S. B. T.
- 43.20 Top of spur brs. N.W. Descend.
- 46.80 Cross gulch 8 lks. wide. Course N.W. ascend.
- 55.00 Cross gulch 10 lks. wide, 20 ft. deep. Course N.W.
- 58.80 Spur brs. N.W. descend.
- 63.65 Cross gulch 30 lks. wide, 100 ft. below last spur. Course
W. ascend.
- 68.90 Top of spur 100 ft. above gulch brs. W.
Enter brush brs. E. and W., descend.
- 71.46 Cross gulch 15 lks. wide 100 ft. below spur, course W.
Ascend abruptly.
- 80.40 The corner of Secs. 1, 2, 35 and 36.
Land mountainous.
Soil 3rd rate.
Timber 43.40 chs. scattering pine.
Undergrowth 11.50 chs. dense chaparral.
40.00 chs. pine undergrowth.
Mountainous land 80.40 chs.

Aug. 7, 1901

Aug. 8: At 7h. 42m. A.M. l.m.t. I set off 34°43.5' on
the lat. arc; 16°15' on the decl. arc; and determine a
true meridian with the solar at the corner of Secs. 34
and 35 on the S. boundary of township.

Thence I run

Subdivision T. 8 N., R. 16 W., S.B.M.

N. 0°1' W. between Secs. 34 and 35.

Through scattering timber; descend abruptly.

2.50 Trail bears E. and W.

4.50 ~~XXXXXX~~ Bottom of deep gulch 15 lks. wide, 200 ft. below Sec. corner. Course W. Ascend abruptly.

11.00 Top of spur 200 ft. above gulch, bears W., descend.

37.50 Cross gulch 16 lks. wide 200 ft. below spur, course N.W. Ascend.

39.00 Cross point of spur, bears N. 70° W. Descend.

39.50 Cross gulch 5 lks. wide. Course W. Ascend.

40.00 Set a granite stone 16x10x5 ins., 12 ins. in ground for $\frac{1}{4}$ section corner marked $\frac{1}{4}$ on W. face from which

A pine 3 ft. diam. brs. N. 21°20' E.

78 lks. dist., marked $\frac{1}{4}$ S. B. T.

A pine 16 ins. diam. brs. S. 32° W.

150 lks. dist., marked $\frac{1}{4}$ S. B. T.

44.50 Top of spur bears W. 200 ft. above last gulch, leave scattering timber bears E. and W.

48.38 Wire fence bears E. and W. in sag 100 lks. wide. Course W., ascend.

51.00 Top of spur 100 ft. above sag, bears W. Descend.

68.00 Center of sag 100 lks. wide, course W. Ascend.

74.50 Top of ridge bears N.W. and S.E. Descend.

75.50 Cross summit of same ridge bears N.E. and S.W.

80.00 Set a granite stone 14x10x10 ins., 10 ins. in ground for corner of Secs. 26, 27, 34, 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.

Corner on top of ridge falling rapidly to the N.E.

Land mountainous.

Soil 3rd rate.

Timber 44.50 chs. scattering pine

Undergrowth of pine.

Mountainous land 80.00 chs.

Subdivision of T. 8 N., R. 16 W., S.B.M.

East on a random line between Secs. 26 and 35.

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

Aug. 8: At this temporary $\frac{1}{4}$ section corner I set off $16^{\circ}12'$ on the decl. arc; and at Oh 5m 30s P.M., l.m.t. observe the sun on the meridian; the resulting lat. is $34^{\circ}44'$

80.34 Intersect N. and S. line 47 lks. S. of the corner of Secs. 25, 26, 35, 36.

Thence I run

S. $89^{\circ}40'$ W. on a true line between Secs. 26 and 35.

Ascend rapidly.

3.50 Top of spur 70 ft. above section corner bears N. Descend.

7.75 Wire fence bears N. and S.

9.00 Cross deep gulch 30 lks. wide, 200 ft. below spur, course N. Ascend.

10.10 Road leading from Tim Blanchard's Ranch to Antelope Valley bears N. and S.

18.00 Top of ridge 300 ft. above gulch bears N. and S.
Descend rapidly.

21.00 Cross gulch 14 lks. wide, 100 ft. below ridge, course N.
Ascend.

32.50 Top of spur bears W., descend.

35.10 Cross gulch 4 lks. wide, 50 ft. below spur, course N.
Ascend.

38.00 Top of spur 60 ft. above gulch bears N. 30° W. Descend.

40.17 Set a granite stone $20 \times 10 \times 4$ ins. 15 ins. in the ground
for $\frac{1}{4}$ section corner marked $\frac{1}{4}$ on N. face, from which

A pine 6 ins. diam. brs. N. $36^{\circ}45'$ E.
38 lks. dist., marked $\frac{1}{4}$ S. B. T.
A pine 3 ft. diam., brs. N. $20^{\circ}10'$ E.
57 lks. dist., marked $\frac{1}{4}$ S. B. T.

42.25 Cross gulch 20 lks. wide, course N. and ascend.

48.50 Top of spur 150 ft. above gulch brs. N. Descend.

53.57 Cross gulch 10 lks. wide, course N. Ascend.

Subdivision T. 8 N., R. 16 W., S.B.M.

- 62.21 Spur bears N. Descend.
67.44 Trail bears N. and S.
67.71 Cross deep gulch 20 lks. wide, 251 ft. below spur, course N.
72.20 Top of spur 200 ft. above gulch bears N. Descend.
75.10 Cross gulch 20 lks. wide, course N.E. Ascend.
80.34 The corner of Secs. 26, 27, 34 and 35.

Land mountainous.

Soil 3rd rate.

No timber.

Mountainous land 80.34 chs.

N. 0°1' W. on a random line between Secs. 26 and 27.

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

- 80.87 Intersect S. boundary of Sec. 22 at a point N. 89°50' W.
56 lks. from the old corner of Secs. 22, 23, 26, 27.

I find traces of the old mound, re-establish the corner at the same point for Secs. 22 and 23 only, as a closing corner for Secs. 26 and 27, will be necessary.

Set a granite stone 16x7x7 ins. 12 ins. in the ground for corner of Secs. 22 and 23 marked with 2 notches on E. edge and raise a mound of stone covered with earth 4 ft. base, 1½ ft. high W. of corner. The juniper witness tree described by Deputy Norris, which is 15 ins. in diam. and marked W.T. on N. side bears S. 14.00 chs.; I remove the marks from this tree.

At the point of intersection of line between Secs. 26 and 27, set a granite stone 20x10x8 ins. 15 ins. in the ground for closing corner of Secs. 26 and 27 marked C.C. on S. with 4 grooves on W. and 2 grooves on E. faces; dig pits 24x18x12 ins. crosswise on each line E. and W. 4 ft. and S. of stone 6 ft. dist. raise a mound of earth, 4 ft. base, 2 ft. high S. of corner.

Note: Preliminary to setting the closing corner of Secs. 26

Subdivision T. 8 N., R. 16 W., S. E. M.

and 27. I re-run the N. boundary of Sec. 27 and thus obtained the true bearing of said line.

From closing corner I run

S. $0^{\circ}1'$ E. on a true line between Secs. 26 and 27. Ascend.

18.85 Top of spur bears N.E. Descend.

26.62 Cross gulch 9 lks. wide, 60 ft. below spur, course N.E. Ascend.

34.87 Top of spur 100 ft. above gulch bears N.E., descend.

36.35 Cross gulch 14 lks. wide, course N.E. Ascend.

40.87 Set a granite stone $18 \times 10 \times 6$ ins. 10 ins. in the ground and bound the same with stone 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, $1\frac{1}{2}$ ft. high W. of corner.

Impracticable to sink stone deeper.

41.38 Cross summit of ridge bears W. and S.E. and continue to ascend along W. slope.

80.87 The corner of Secs. 26, 27, 34, 35.

Land mountainous.

Soil 3rd rate.

No timber.

Mountainous land 80.87 obs.

Aug. 8, 1901

Aug. 10: At 8h A.M. l.m.t. I set off $34^{\circ}43.5'$ on the lat. arc, $15^{\circ}40.5'$ on the dextl. arc; and determine a true meridian with the solar at the corner of Secs. 33 and 34 on the S. boundary of the township.

Thence I run

N. $0^{\circ}2'$ W. between Secs. 33 and 34.

Through scattering timber; descend rapidly.

19.00 Cross gulch 20 lks. wide, 100 ft. below ridge, course W. Ascend.

22.85 Top of spur bears W. Descend.

31.10 Cross gulch 8 lks. wide, course W. Ascend.

Subdivision T. 8 N., R. 16 W., S. B. M.

- 36.50 Top of spur bears W. and descend.
- 40.00 Set a granite stone 16 x 8 x 5 in. 12 ins. in the ground for 1/4 section corner marked 1/4 on W. face; and raised a mound of stone covered with earth 3 1/2 ft. base, 1 1/2 ft. high W. of corner.
- From corner
- A pine 16 ins. diam. bears S. 24°15' E. 151 lks. dist. marked 1/4 S. B. T.
- No other tree within limit.
- 42.00 Leave scattering timber bears E. and W.
- 50.30 Cross deep gulch 25 lks. wide Co. W.
- Ascend.
- 67.00 Top of spur bears W. Descend.
- 80.00 Set a Feldspar stone 18 x 18 x 8 ins. 14 ins. in the ground for corner of Secs. 27, 28, 33 and 34, marked with 1 notch on S. and 3 notches on E. edges; and raised a mound of stone covered with earth, 3 1/2 ft. base, 2 ft. high, W. of corner.
- Land mountainous.
- Soil 3rd rate.
- Timber 42.00 chs. scattering pine.
- Mountainous land 80 chs.
- Aug. 10: At this corner I set off 15°37' on decl. arc. and ~~determine~~ at Oh. 5 m. 14s. P.M. observe the sun on the meridian, the resulting latitude is 34°44'.
- - - - -
- East on a random line between Secs. 27 and 34.
- 40.00 Set temporary 1/4 section corner.
- 80.00 Intersect N. and S. line at the corner of Secs. 26, 27, 34 and 35.
- Thence I run
- West on a true line between Secs. 27 and 34.
- Through brush; descend.

Subdivision T. 8 N., R. 16 W., S. B. M.

- 11.50 Cross gulch 9 lks. wide, Co. N., 200 ft. below section corner. Ascend.
- 18.00 Top of spur 100 ft. above gulch bears N. Descend.
- 23.50 Cross gulch 60 lks. wide, 200 ft. below spur, Co. N. Ascend.
- 35.00 Top of ridge, 800 ft. above gulch, brs. N. and S. Descend, abruptly.
- 40.00 A scrub oak 10 ins. diam. for 1/4 section corner, marked 1/4 S. on W. side from whence,
A scrub oak 10" diam. bears N. 87° E.
4 lks. dist. marked 1/4 S. B. T.
A scrub oak 4" diam. bears S. 10° E.
4 lks. dist. marked 1/4 S. B. T.
- 43.00 Cross deep gulch 550 ft. below ridge, Course N. Ascend abruptly.
- 58.00 Top of spur 800 ft. above gulch, bears N. over summit.
- 60.00 Begin descent of W. slope.
- 73.75 Cross gulch 20 lks. wide, 200 ft. below spur, course N. Ascend.
- 80.00 The corner of Secs. 27, 28, 33 and 34.
Land, rough mountains.
Soil, 4th rate.
Timber -- a few scattering pine in canyon.
Undergrowth 80.00 chs. of chaparral.
Mountainous land 80.00 chs.

Aug. 10, 1901.

Aug. 12: At 7h 14m A.M. 1.m.t. I set off 34°44' on the latitude arc; 15°6' on the decl. arc; and determine a true meridian with the Solar at the corner of Secs. 27, 28, 33 and 34.

Thence I run

N. 0°2' W. on a random line between Secs. 27 and 28.

Subdivision T. 8 N., R. 16 W., S. B. M.

- 40.00 Set temporary 1/4 section corner.
- 81.07 To a point 21 lks. E. of corner of Secs. 21, 22, 27 and 28.
- Thence I run S. 0°11' E. on a true line between Secs. 27, 28.
- Ascend gradually.
- 3.22 Enter dry wash, course N.E.
- 5.00 Leave wash and ascend spur.
- 7.00 Top of spur bears W. 40 ft. above wash. Descend.
- 11.50 Burnside's dwelling house bears W. and about 5.00 chs. dist.
- 12.40 Cross gulch 20 lks. wide, 30 ft. below spur, course W.
- Ascend.
- 17.00 Top of small spur bears W. Descend.
- 19.70 Cross dry wash 30 lks. wide, course W. Ascend.
- 41.07 Set a granite stone 16 x 7 x 5 ins. 12 ins. in the ground for 1/4 section corner marked 1/4 on W. face, from whence
- A pine 10" diam. bears N. 44°15' E.
106 lks. dist. marked 1/4 S. B. T.
- A pine 12" diam. bears S. 87°10' W.
151 lks. dist. marked 1/4 S. B. T.
- 46.07 Top of spur bears N.W. Descend.
- 54.00 Cross gulch 20 lks. wide, course N. 30° W. 200 ft. below spur. Ascend.
- 60.50 Top of ridge bears N.E. and S.W. Descend.
- 62.00 Cross gulch 20 lks. wide, course N. 20° E. Ascend.
- 81.07 The corner of Secs. 27, 28, 33 and 34.
- Land mountainous.
- Soil, 3rd rate.
- Timber, a few scattering pine.
- Mountainous land 81.07 chs.

Aug. 12, 1901.

Aug. 13: At 8h A.M. l.m.t. I set off 34°43.5' on the latitude arc; 14°47' on the decl. arc; and determine a true meridian with the Solar at the corner of Secs. 4, 5, 32 and 33 on the S. boundary of the township.

Subdivision T. 8 N., R. 16 W., S. B. M.

Thence I run

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

Through scattering timber and brush.

Ascend rapidly.

- 1.70 Top of spur bears S.W. Descend.
- 4.25 Cross gulch 16 lks. wide, 100 ft. below spur,
course S. 60° W. Ascend.
- 19.50 Top of ridge bears N.W. and S.E., 200 ft. above last
gulch.
- Thence along E. slope of ridge.
- 38.00 Top of same ridge, bears N. 30° E. and S. 30° W. Descend.
- 40.00 Set a sandstone 16 x 12 x 10 ins. 12 ins. in the ground
for $1/4$ section corner, marked $1/4$ on W. face, and raised
a mound of stone covered with earth, 4 ft. base, 2 ft. high,
W. of corner.
- 49.50 Cross gulch 10 lks. wide, 80 ft. below ridge, course W.
Ascend along W. slope of ridge.
- 62.00 Top of ascent bears E. and W. Descend.
- 80.00 The point for section corner falls on a sand stone in place
6 x 5 x 3 ft. above ground on which I cut a cross (x) at
the exact corner point for corner of Sections 28, 29, 32
and 33, marked with 1 notch on S. and 4 notches on E. sides;
and raised a mound of stone 4 ft. base, 2 ft. high, W. of
corner.

Land mountainous.

Soil, 4th rate.

Timber, scattering pine.

Undergrowth, chaparral.

Mountainous land, 80.00 chs.

Aug. 13: At this corner I set off $14^{\circ}43'$ on the decl. arc;
and at Oh. 4m. 46x. P.M. 1.m.t. observe the sun on the
meridian, the resulting latitude is $34^{\circ}44'$.

Subdivision T. 8 N., R. 16 W., S. E. M.

East on a random line between Secs. 28 and 33.

40.00 Set temporary 1/4 section corner.

80.40 Intersect N. and S. line at the corner of Secs. 27, 28,
33 and 34.

Thence I run

West on a true line between Secs. 28 and 33.

Through brush; Ascend.

.70 Top of spur bears N., thence along N. slope of mountain.

11.00 Cross summit of spur, bears N. Descend.

13.50 Cross gulch 10 lks. W. 100 ft. below spur, course N.
Ascend.

16.70 Top of ridge 80 ft. above gulch, bears N. 30° W. and S.
30° E. Descend rapidly.

40.20 Set a granite stone 18 x 8 x 4 in 14 ins. the ground for
1/4 section corner, marked 1/4 on N. face, and raised a
mound of stone covered with earth 4 ft. base, 2 ft. high,
N. of corner.

40.40 Cross gulch 19 lks. W., 500 ft. below ridge, course N.
40° W. Ascend.

44.45 Top of spur, bears N. Descend.

48.25 Enter canon, course N.

49.25 Cross dry wash, 40 lks. wide, course N. 30° E.

50.50 Wire fence bears N. and S.

Leave canon, ascend rapidly.

52.75 Cross point of spur 40 ft. above canon bears N. 30° E.
Descend.

56.40 Cross gulch 8 lks. wide, 40 ft. below spur, course N. 50° E.
Ascend.

71.40 Top of ridge high, 250 ft. above gulch bears N. and S.
Descend abruptly.

80.40 The corner of Secs. 28, 29, 32 and 33.

Land, rough mountainous.

Soil, 3rd rate.

Timber, a few scattering pine and canons.

Subdivision T. 8 N., R. 16 W., S. B. M.

Undergrowth chaparral.

Mountainous land 80.400 chs.

Aug. 14: At 7h 30m A.M. l.m.t. I set off $34^{\circ}44'$ on the latitude arc; $14^{\circ}29'$ on the decl. arc; and determine a true meridian with the solar at the corner of Secs. 28, 29, 32 and 33.

Thence I run

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

40.00 Set temporary $1/4$ section corner.

81.52 Intersect S. bdy. of Sec. 21 at a point S. $89^{\circ}35'$ E.

90 lks. dist. from corner of Secs. 20, 21, as set by me, as falling in excess of the limit prescribed in the Manual. I set closing corner for Secs. 28 and 29.

Set a porphyry stone at $18 \times 10 \times 8$ ins. 12 ins. in the ground for closing corner of Secs. 28 and 29 marked C.C. on S. with 2 grooves on E. and 4 grooves on W. faces; and raised a mound of stone 4 ft. base, 2 ft. high S. of corner. Pits impracticable.

Note: Preliminary to setting this closing corner I re-run the line between Secs. 21 and 28 and thus obtained the true bearing of said line.

Thence I run

S. $0^{\circ}2'$ E. on a true line between Secs. 28 and 29. Ascend.

12.30 Top of spur 50 ft. above closing corner bears E. Descend.

21.30 Cross gulch 8 lks. wide, 60 ft. below spur, course N.E. Ascend.

29.50 A vacant cabin bears E. about 150 lks. dist.

31.75 Spencer's dwelling house bears E. about 9.00 chs. dist.

33.30 A barn bears E. about 12.00 chs. dist.

37.50 Cross spur, bears E. and continue to ascend along E. slope of ridge.

41.52 Set a sandstone $14 \times 10 \times 8$ ins. 10 ins. in the ground for $1/4$ section corner marked $1/4$ on W. face; and raised a mound of stone covered with earth 4 ft. base, 2 ft. high W. of corner.

Subdivision T. 8 N. R. 16 W., S. B. M.

42.00 Enter scattering timber, bears E. and W.
44.37 Top of ascent bears E. and W. Descend.
49.00 Cross gulch, 20 links wide, course N. 60° E. Ascend.
55.40 Top of ridge, 200 ft. above gulch, bears E. and W.
Descend rapidly.
69.00 Cross gulch, 30 links wide, 150 ft. below ridge, course
N.E. Ascend rapidly.
81.52 The corner of Sections 28, 29, 32 and 33.
Land mountainous.
Soil third rate.
Timber 39.52 chains scattering pine.
Undergrowth 39.52 chains dense chaparral.
Mountainous land 81.52 chains.

August 14, 1901.

Aug. 15: At 7h 47m A.M. l.m.t. I set off 34°43.5' on the
latitude arc; 14°10' on the decl. arc; and determine a
true meridian with the Solar at the corner of Secs. 5, 6,
31 and 32 on the S. bdy. of the township.

Thence I run

N. 0°3' W. between Secs. 31 and 32.

Through dense brush; descend rapidly.

16.00 Cross gulch 15 ft. deep 12 lks. wide, course N. 30° E.
18.00 Leave brush bears E. and W. Enter canada, course N. 80° E.
25.00 Cross dry wash, 20 lks. wide, course N. 80° E. Ascend.
27.00 Road bears E. and W.
27.75 Road bears N.E. and S.W.
30.00 Begin steep ascent bears E. and W., leave canada.
32.00 Enter dense brush bears E. and W.
39.50 Top of spur, bears E. Descend.
40.00 Set a granite stone 16 x 6 x 4 ins. 12 ins. in the ground
for 1/4 section corner marked 1/4 on W. face; and raise
a mound of stone covered with earth 3½ ft. base, 2 ft.
high W. of corner.

Subdivision T. 8 N., R. 16 W., S. E. M.

Thence descend over a succession of small spurs and gulches bearing E.

58.00 Cross deep gulch 20 lks. wide, 200 ft. below last spur, course S. 80° E.

Leave brush bears E. and W. Ascend abruptly.

75.00 Top of ridge bears N. and S. 20° E.

Thence over summit.

80.00 Set a sandstone 16 x 8 x 8 ins. 12 ins. in the ground for corner to Secs. 29, 30, 31, 32, marked with 1 notch on S. and 5 notches on E. edges and raise a mound of stone covered with earth 5 ft. base, 2½ ft. high, W. of corner.

Land mountainous and rolling.

Soil third rate.

Timber, a few scattering scrub pine or ridge undergrowth
44.00 chs., heavy chaparral.

Mountainous land 68.00 chs.

Rolling land 12.00 chs.

East on a random line between Secs. 29 and 32.

40.00 Set temporary 1/4 section corner.

80.20 Intersect N. and S. line 28 links N. of the corner of Secs. 28, 29, 32 and 33.

Thence I run

N. 89°48' W. on a true line between Secs. 29 and 32.

Descend rapidly.

4.50 Cross gulch 10 links wide, course N. 30° E.

Ascend abruptly.

13.95 Top of ascent bears N. and S.

Enter dense brush. Descend.

30.80 Leave brush bears N. and S.

Enter canada. Course N.

40.10 Set a sandstone 18 x 14 x 10 ins. 14 ins. in the ground for 1/4 section corner marked 1/4 on N. face, dig pits

Subdivision T. 8 N., R. 16 W., S.B.M.

18 x 18 x 12 inches E. and W. of stone, 4 ft. dist.
and raise a mound of earth, 4 ft. base, 2 ft. high W.
of corner.

From corner

A white oak 10 ins. diam. bears S. $43^{\circ}15'$ E. 3.45 chains
distant, marked $\frac{1}{4}$ S. E. T.

No other tree within limits.

J. Maxwell's dwelling house bears N. about 10.00 chs. dist.

J. Rowan's dwelling house bears S. $57\frac{1}{2}^{\circ}$ W., about 23.50 chs.

42.75 Wire fence bears N. and S.

43.00 Road leading to Fairmont bears N. and S.

43.35 Wire fence bears N. and S.

60.90 Wire fence bears N. and S.

62.95 Base of ridge bears N. and S.

Leave Canada, ascend abruptly.

74.00 Summit of ridge bears N. 50° E. and W.

80.20 The corner of Secs. 29, 30, 31 and 32.

Land mountainous and rolling.

Soil second rate.

Timber, a few scattering pine on ridges.

Undergrowth 16.85 chs. dense chaparral.

Mountainous land 48.05 chs.

Rolling land 32.15 chs.

August 15, 1901.

Aug. 16; At 8h A.M. l.m.t. I set off $34^{\circ}44'$ on the latitude arc; $13^{\circ}51'$ on the decl. arc; and determine a true meridian with the Solar at the corner of Secs. 29, 30, 31 and 32.

Thence I run

N. $0^{\circ}3'$ W. on a random line between Secs. 29 and 30.

40.00 To a point $209\frac{1}{2}$ lks. W. of corner No. 7 of the Rancho La Liebre, which is a redwood post 4x2 ins. 2 ft. above mound of stone earth, 4 ft. base, $1\frac{1}{2}$ ft. high, marked L L No. 7.

Subdivision T. 8 N. R. 16 W., S. B. M.

The falling being in excess of the limit prescribed in the Manual, I run from L L No. 7

S. $0^{\circ}3'$ E. on a true line between Secs. 29 and 30.

Over bed of Canada, course E.

- 4.00 To base of spur and ascend.
- 7.00 Cross point of spur bears E. and descend.
- 10.00 Foot of depression in sag 20 lks. wide, course E.
Ascend.
- 11.30 Top of small spur bears E. Descend.
- 12.00 Enter canon, course N. 40° E.
- 19.00 Leave canon.
Enter scattering pine timber, bears E. and W.
Ascend abruptly.
- 37.10 Cross trail bears N. 40° W. and S. 40° E.
- 40.00 Intersect N. bdy. of Secs. 32, 209 lks. S. $89^{\circ}48'$ E.
from corner of Secs. 29, 30, 31 and 32.
Set sandstone $20 \times 10 \times 8$ ins. 15 ins. in the ground for
closing corner of Secs. 29 and 30, marked C C on N. with
1 groove on W. and 5 grooves on E. faces; and raised a
mound of stone covered with 4 ft. base, 2 ft. high, N. of
corner.
As the corner first set for Secs. 29, 30, 31 and 32 now
becomes common to Secs. 31 and 32 only, I change the
corner to corner of 2 sections by removing the notches on
S. edges of stone.
Land mountainous.
Soil second rate.
Timber 21.00 chs. scattering scrub pine.
Mountainous land 40.00 chains.

August 16, 1901.

Surveyed by George W. Pearson, Deputy Surveyor.

Subdivision T. 8 N. R. 16 W., S. B. M.

Aug. 17: At 8h 30m A.M. l.m.t. I set off $34^{\circ}44'$ on the latitude arc, $13^{\circ}31.5'$ on the decl. arc; and determine a true meridian with the Solar at the corner of Secs. 30 and 31.

40.00 Set temporary $1/4$ section corner.

82.38 Intersect W. boundary of the township 100 lks. S. of the corner to Secs. 25 and 36, R. 17 W., description on Pg. 14, Bk. 11, notes of resurvey of W. boundary of T. 8 N. R. 16 W. this survey.

At point of intersection I set closing corner for Secs. 30 and 31 as instructed. Set a mica schist stone $18 \times 12 \times 12$ ins. 14 ins. in the ground for closing corner of Secs. 30 and 31, marked C C on E. with 5 grooves on N. and 1 groove on S. face and raise a mound of stone covered with earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high E. of cor.

Note: Before setting this corner I re-run the W. boundaries of Secs. 30 and 31 and re-establish the corners which were missing and obtained the true bearing of said line.

Thence I run

E. on a true line between Secs. 30 and 31.

Through a dense brush, ascend.

1.56 Summit of ridge bears N. and S. Descend E. slope.

9.00 Enter burned opening.

42.38 Set a sandstone $14 \times 10 \times 5$ ins. 10 ins. in the ground for $1/4$ section corner marked $1/4$ on N. face; and raise a mound stone covered with earth 4 ft. base, 2 ft. high N. of corner.

57.50 Cross gulch 12 lks. wide, course N. 60° E. Ascend.

69.40 Top of spur bears N. Descend.

72.03 Cross gulch 5 lks. wide, 100 ft. below spur, course N. Ascend.

76.50 Top of high point on ridge, bears E. and S. Descend rapidly to

82.38 The corner to Secs. 31 and 32.

Subdivision T. 8 N. R. 16 W., S. B. M.

Land, rough mountainous. U. S. Surveyor General's Office

Soil, third rate.

San Francisco, Cal.
Aug. 25, 1902.

No timber.

Undergrowth 9.00 chs. dense chaparral.

Mountainous land, 82.38 chains.

The foregoing field notes of the surveys of the
subdivision lines of Twp. 8 North Range 16 East, San
Bernardino Division in the State of California, executed
August 17, 1901.

by George W. Pearson, U. S. Deputy Surveyor, under his com-
mission No. 177 dated April 24, 1901, being a copy of the

Surveyed by George W. Pearson, Deputy Surveyor.
executed and the necessary calculations and explanations made,
the said field notes and the survey map, submitted for
ready approval.

W. S. Graham

U. S. Surveyor-General
for California.

(Seal)

U. S. Surveyor General's Office

San Francisco, Cal.
Aug. 29, 1902.

I, U. S. Surveyor-General for California, do hereby
certify that the foregoing Transcript has been correctly
copied from the original Field Notes, as the same remain
of record and on file in this office.

Attest my hand and Official Seal this day and date
hereinafore written.

W. S. Graham

U. S. Surveyor-General
for California.

(Seal)

Resurvey of the West Boundary of T. 8 N.
R. 16 W., S. B. M.

Vol. 408
Bk. 11, Pg. 22

In subdividing the townships and running the lines between Secs. 30 and 31, I discover that the corner of Secs. 25, 30, 31 and 36 is missing and by further examination I find that the 1/4 section corners on the W. boundaries of Secs. 30 and 31 are also obliterated. In order to connect the surveys to be made I must re-establish this line. I find the old corner of Secs. 19, 24, 25 and 30, which is a mound of earth 3 ft. base, 1 ft. high, I find remains of old corner post lying on the ground alongside the mound; the marks are entirely obliterated.

Reestablish the corner at the same point as follows:

Set a granite stone 12x8x6 ins. 10 ins. in the ground for corner of Secs. 19, 24, 25 and 30, marked with 4 notches on N. and 2 notches on S. edges; dig pits 18x18x12 ins. in each section 5½ ft. dist. and raise a mound of earth, 4 ft. base, 1½ ft. high W. of corner.

Thence I run

S. on a random line, setting temporary 1/4 section corners and section corners at intervals of 40 chs. At 162.00 chs. intersect the closing corner of Townships 7 and 8 North, Range 16 West, previously described.

Aug. 20: At 2h P.M. 1.m.t., I set off 34°43.5' on the latitude arc; 12°29' on the decl. arc, and determine a true meridian with the Solar at the closing township corner.

Thence I run N. on a true line on W. boundary of Sec. 31, setting corners at proportional distances Through dense brush descend.

Resurvey of the West Boundary of T. 8 N.
R. 16 W., S. B. M.

- 13.50 Cross road bears E. and W.
- 15.00 Cross dry wash in canon 30 lks. Wide, course N.
80° E. Ascend.
- 26.00 Mrs. Gookins dwelling house bears E. about 18.00 chs.
- 36.00 Top of ridge bears N.E. and S.W. 150 ft. above canon.
Descend.
- 40.50 Set a shale stone 16 x 8 x 6 ins. 12 ins. in the
ground for 1/4 section corner marked 1/4 on W. face;
dig pits 18 x 18 x 12 ins. N. and S. of stone, 4 ft.
distant, and raise a mound of earth 4 ft. base, 2 ft.
high, West of corner.
- 63.25 Cross gulch 30 lks. Wide, course S.W. Ascend.
- 81.00 Set a sandstone 14 x 8 x 8 ins. 10 ins. in the ground
for corner of Secs. 25 and 36, Range 17 West, marked
with 1 notch on S. and 5 notches on N. edge, and
raise a mound of stone covered with earth 3½ ft. base,
1½ ft. high, west of corner.
- Note: I set corner for Secs. 25 and 36, Range 17 West,
only because a closing corner for Secs. 30 and 31,
Range 16 West, will be necessary.
- Land mountainous.
- Soil third rate.
- Timber, a few scattering scrub oak and pine.
- Undergrowth 78.25 chs. heavy chaparral.
- Mountainous land 81.00 chs.

- N. on a true line on W. boundary of Sec. 30.
Through brush. Ascend.
- 9.35 Top of ridge bears E. and W. Descend.
- 31.00 To base of ridge and enter swale, course N.E.
- 35.00 Leave swale, ascend abruptly.
- 38.75 Intersect S. boundary of Ro. La Liebre at a point

Resurvey of the West Boundary of
T. 8 N. R. 16 W., S.B.M.

from which 1 mile point on Rancho boundary line sandstone
L L I M bears E. 4.20 chs.

Set a sandstone 18 x 10 x 8 ins. 14 ins. in the ground
for closing corner of fractional Secs. 25 and 30 marked
O O on S and L L on N. faces; and raise a mound of stone
covered with earth 4 ft. base, 2 ft. high, S. of corner.

39.75 Top of ridge bears N.E. and S.E. Descend.

40.50 Set a sandstone 18 x 8 x 7 ins. 14 ins. in the ground
for 1/4 section corner marked 1/4 on W. face; and raise
a mound of stone covered with earth 3 1/2 ft. base, 2 ft.
high, W. of corner.

From corner

A pine 14 ins. diam. bears N. 19°45' W.
165 lks. dist. marked 1/4 S. B. T.
No other tree within limits

60.40 Cross gulch 18 lks. wide, course N.E. Ascend.

64.50 Top of spur bears N.E. Descend.

73.00 Begin to descend abruptly bears N.E. and S.W.

78.00 Foot of steep descent bears E. and W.
Descend gradually.

81.00 The corner of Secs. 19, 24, 25, 30.

Land mountainous.

Soil rocky 4th rate.

Timber, a few scattering scrub pine and oak in gulches.

Undergrowth, heavy chaparral.

Mountainous land 81.00 chs.

August 20, 1901.

T. 8. N., R. 16. W., S. B. M.
Copied by A. C. Johnson from United States Cadastral
Engineer's Office, Glendale, California

Vol. 408, Sec. 11, Pages 7 to 19.

Resurvey of the south boundary of T.8.N., R.16.W., S.B.M.

Survey commenced August 2, 1901, and executed with a John Solar Compass with telescopic attachment. The instrument was examined, tested on 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.

I test the solar apparatus by comparing its indications resulting from solar observations made during P. M. and A. M. hours with true meridian determined by observation on Polaris, which I establish at my camp in S. E. $\frac{1}{4}$ of Sec. 25, Aug. 3, 1901. I find that the true meridian determined with the solar agrees with the true meridian determined by observation on Polaris; therefore I conclude the adjustments of the instrument are satisfactory.

By examination I find that many of the corners on the S. bdy. of this Twp. are missing. In order to execute the surveys in T.8.N., R.16.W., I must re-establish this line; I begin at the corner of Twp. 7 and 8, N., R.15 and 16 W., which is a granite stone 8x7x5 in. above ground marked T.8.N. on N.W; T.7.N. on S.E.; and R.16.W. on S.W. faces; with 6 notches on N, S, E, and W edges; from which: The butt end of a fallen pine 2 ft. diam. bears S. 94° W.

2.42 chs. dist. marked T.7.N., R.16.W., S.1.B.T. Aug. 3;

at 9h.15m.A.M. 1.m.t. I set off $34^{\circ}43'5''$ on latitude arc; $17^{\circ}35'$ on the declination arc; and determine a true meridian with the solar at the above township corner

Thence I run

W. on a random line on S. bdy of the twp. setting temporary $\frac{1}{4}$ sec. corners and sec. corners at intervals of 40.00 chs.

where found missing; at the temporary $\frac{1}{4}$ sec.cor. on the

S. bdy. of Sec.35 (120.00 chs. from the twp.cor) I set off

Resurvey of the South Boundary of
T. 8. N., R. 16. W., S.B.M.

17°33' on the decl.arc; and at 0h.6m. P. M. 1.m.t., observe the sun on the meridian the resulting latitude is 34°43.5' At 161.60 chs. I intersect the cor. of Secs. 2, 3, 34, 35, which is a post 3' sq. 12" above ground and greatly decayed, marks nearly obliterated.

This cor. being on the line between Secs. 2 and 3, T.7.N., R. 16.W. as run by Dep. G. Howard Thompson.

I remove all trace of this cor. and re-establish it at the same point as follows:

Set a granite stone 16"x8"x4" 12" in the ground for corner of Secs. 2 and 3, T.7.N., R.16.W., marked with 2 notches on E. and 4 notches on W. edges from which

A pine 14" diam. brs. S. 47° E.
24 lks. dist., marked T.7.N., R.16.W.S.2.B.T.
A pine 16" diam. brs. S. 46° W.
41 lks. dist., marked T.7.N., R.16.W. S.3.B.T.

NOTE:- I set corner for Secs. 2 and 3, T.7.N. only because corners for T.8.N. will be established at the regular distance of 80.00 chs. counting from E. bdy., I continue W. on a random line on the S. bdy. of the twp. and at 241.60 chs. I arrive at the corner of Secs. 3, 4, 33 and 34 which is a post 2½" sq. 15" above ground without marks.

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

Set a granite stone 18x10x5 ins. 14 ins. in the ground for corner of Secs. 3 and 4, T.7.N., R.16.W., marked with 3 notches on E. and W. faces; dig pits 24x24x12 ins. in each Sec. 5 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high S. of corner.

I continue on random line W. on S. bdy. of the twp. Aug.5. at the temporary ¼ Sec. corner on the S. bdy. of Sec. 31, I set off 17°1' on the decl.arc and at 0h 5m 50s P.M. 1.m.t; observe the sun on the meridian the resulting latitude is 34°43.5' at 482.81 chs. intersect the closing corner of T. 7 and 8 N., R.16.W. on the E. bdy. of T.8.N., R.16.W.

Resurvey of the South Boundary of
T.8.N., R.16.W., S.B.M.

where I found trace of old mound. No trace of post could be found

Re-establish the corner at the same point as follows:

Set a granite stone 30x14x8 ins. 24 ins. in ground for closing corner of Twp. 7 and 8 N., R.16.W., marked o o on E. with 6 grooves on N., S. and E faces; and raise a mound of stone covered with earth $4\frac{1}{2}$ ft. base, 2 ft. high E. of corner

From corner

A white oak $2\frac{1}{2}$ ft. diam. brs. N. $45^{\circ}05'$ E.
163 lks. dist. marked T.8.N., R.16.W., S.31.C.C.B.T.
No other tree within limit.

Thence I run

E. on a true line on S. bdy. of Section 31

Through scattering oak and dense undergrowth; ascend

- 4.60 Top of spur brs. N. Descend
11.70 Cross gulch 20 ft. deep, 10 lks. wide, course N.E.
23.00 G.A. Bowman's dwelling house bears S. about 2.00 chs. dist.
25.00 To N.W. corner of shed.
28.50 Cross ravine 10 lks. W., course N. 150 ft. below spur.
Ascend rapidly
37.50 Enter dense brush bears N. and S.
Leave timber bears N. and S.
42.81 Set a granite stone 16x18x6 ins. 12 ins. in ground for $\frac{1}{4}$ Sec. corner marked $\frac{1}{4}$ on N. face; dig pits 18x18x12" E. and W. of stone, 4 ft. dist. and raise a mound of earth 3 ft. base, $1\frac{1}{2}$ ft. high N. of corner

From corner

A manzanita 5" diam. bears N. $44\frac{1}{2}^{\circ}$ W.
16 lks. dist. marked $\frac{1}{4}$ S.B.T.
No other tree within limits.

- 44.95 Top of spur 100 ft. above ravine bears N. Descend.
63.00 Cross gulch 6 lks. W. 100 ft. below spur. Course N. Ascend.
67.50 Top of spur 100 ft. above gulch. Descend.
74.00 Gulch 10 lks. W. 100 ft. below spur. Course N. Ascend.
75.70 Top of spur. 100 ft. above gulch bears N. Descend.

Resurvey of the South Boundary of T.8.N., R.16.W., S.B.M.

- 79.80 Cross gulch 8 lks. W., course N. Ascend.
- 82.81 Set a granite stone 18x14x6 ins. 12 ins. in the ground for corner of Secs. 5, 6, 31 and 32 marked with 5 notches on E., and 1 notch on W. edge; and raise a mound of stone covered with earth 4 ft. base, 2 ft. high W. of corner.
- Land mountainous.
- Soil 2nd rate.
- Timber 47.50 chs. scattering live oak.
- Undergrowth 82.81 chs. dense chaparral, and undergrowth of oak.
- Mountainous land 82.81 chs.
-
- Aug. 5: At 4h.30m. P. M. 1.m.t. I set off 34°43.5' on the lat. arc; 16°59' on the decl. arc; and determine a true meridian with the solar at the corner of Secs. 5, 6, 31 and 32.
- Thence I run
- E. on a true line on S. bdy. of Sec. 32
- Thence through brush; ascend.
- .25 Top of spur bears N. descend.
- 20.85 Cross gully 8 lks. wide, course N. Ascend.
- 55.90 Top of ridge bears N. and S. Descend.
- 12.75 Enter canon, course N.
- Leave brush and enter scattering pine timber
- Bears N. and S.
- 13.00 Road bears N.E. and S.W.
- 13.25 Cross wash 15 lks. wide, course N.
- 19.25 Foot of ridge bears N. and S.
- Leave canyon, ascend.
- 21.25 Top of ridge bears N. and S. 50 ft. above canyon.
- Descend.
- 24.25 Cross dry wash in canon, 10 lks. wide, course N.
- 36.75 Cross dry wash 5 lks. wide, course N.
- 37.25 Road at base of hill bears N. and S. Ascend.

Resurvey of the South Boundary of T.8.N., R.16.W., S.B.M.

- 38.00 C. Clauson's dwelling house bears S. $42\frac{1}{2}^{\circ}$ W. about 18.00
chs. dist.
- Mr. Pratt's dwelling house bears N. $50^{\circ} 30'$ W. about 29.00
chs. dist. Enter dense brush bears N. and S.
- 40.00 Set a lime stone $14 \times 12 \times 6$ ins. 10 ins. in the ground for $\frac{1}{4}$
Sec. corner marked $\frac{1}{4}$ on N. face; dig pits $18 \times 18 \times 12$ ins. E.
and W. of stone 4 ft. dist. and raise mound of earth 4 ft.
base, 2 ft. high N. of corner.
- Corner on top of spur bearing N. Descend.
- 50.00 Enter canyon, course N. 60° W.
- 50.75 Leave brush bears N. and S.
- 51.75 Cross dry wash 50 lks wide, course N.W., Ascend.
- 65.75 Road bears NW. and SE.
- 79.25 Leave canon and ascend rapidly.
- Enter brush bears N. and S.
- 80.00 Set a granite stone $18 \times 14 \times 5$ ins. 12 ins. in the ground for
cor. of Secs. 4, 5, 32 and 33 marked with 2 notches on W. and
4 notches on E. edges from which
- A scrub oak 5 in. diam. bears N. $47^{\circ} 35'$ E.
19 lks. dist. marked T.8.N., R.16.W., S.33 B.T.
A pine 24 in. diam. bears S. $77^{\circ} 10'$ E.
50 lks. dist. marked T.7.N., R.16.W., S. 4 B.T.
A scrub oak 4 in. diam. bears S. 50° W.
10 lks. dist. marked T.7.N., R.16.W., S. 5 B. T.
A scrub oak $3\frac{1}{2}$ in. diam. bears N. $30\frac{1}{2}^{\circ}$ W.
20 lks. dist. marked T.8.N., R.16.W., S. 32 B.T.
- Land mountainous and rolling.
- Soil 3rd rate.
- Timber, 67.25 chs. of scattering oak and pine.
- Undergrowth 26.25 chs. dense chaparral.
- Mountainous land 38.50 chs.
- Rolling land 41.50 chs.

August 5, 1901.

Aug. 6: At 7h.22m. A.M. l.m.t., I set off $34^{\circ} 43.5'$ on the
lat. arc; $16^{\circ} 49'$ on the decl. arc; and determine a true
meridian with the solar at the cor. of Secs. 4, 5, 32 and
33 on the S. bdy. of the twp.

Resurvey of the South Boundary of T.8.N., R.16.W., S.B.M.

Thence I run

E. on a true line on S. bdy. of Sec.33.

Through brush; ascend rapidly.

- 20.75 Top of spur bears S.W., Descend.
- 24.00 Cross gulch 5 lks. wide 50 ft. below spur, course SW., Ascend.
- 27.25 Top of spur 100 ft. above gulch, bears S., Descend.
- 31.30 Cross head of ravine 8 lks. wide 60 ft. below spur,
course S. and ascend.
- 36.20 Top of spur 100 ft. above ravine bears S., Descend.
- 37.25 Cross gulch 8 lks. wide 40 ft. below spur, course S., Ascend.
- 40.00 Set a granite stone 16x10x6 ins. 12 ins. in the ground for
 $\frac{1}{4}$ Sec. corner marked $\frac{1}{4}$ on N. face and raise a mound of stone
covered with earth 4 ft. base, 2 ft. high N. of corner.
- 41.70 Top of ridge bears N. 40° W. and S. 40° E.
Thence along ridge near summit.
- 51.75 Begin rapid descent.
- 59.30 Cross gulch 5 lks. wide, 150 ft. below ridge, course N.
Ascend.
- 62.20 Top of spur bears N.
- 69.25 Leave brush and enter scattering timber bears N. and S.
- 70.25 Cross gulch 30 lks. wide, course N., ascend.
- 78.40 The cor. of Secs. 3 and 4, T.7.N., R.16.W., already described.
- 80.00 Set a granite stone 18x10x6 ins. 12 ins. in the ground for
corner of Secs. 33 and 34 marked with 3 notches on E. and
W. edges from which

A pine 2 $\frac{1}{2}$ ft. diam. bears N. 16° E.

3.31 chs. dist. marked T.8.N., R.16.W., S. 34 B.T.

A pine 2 ft. diam. bears N. 31°33' W.

2.65 chs. dist. marked T.8.N., R.16.W., S. 33 B.T.

Land mountainous.

Soil 3rd rate.

Timber, 10.75 chs. scattering pine and oak.

Undergrowth 69.25 chs. dense chaparral.

Mountainous land 80.00 chs.

Resurvey of the South Boundary of T.8.N., R.16.W., S.B.M.

E. on true line on S. bdy. Section 34.

Through scattering timber and undergrowth; ascend.

- 1.75 Top of ridge bears N.E. and S.W., descend.
15.00 To W. bank of small, shallow pond bears N. and S.
23.00 To E. bank of pond bears N. and S., ascend.
40.00 Set a granite stone 18x12x6 ins. 12 ins. in the ground for
¼ Sec. corner marked ¼ on N. face, from which
 A pine 5 in. diam. bears S. 25° E.
 140 lks. dist. marked ¼ S.B.T.
 A pine 10 in. diam. bears N. 13°45' W.
 129 lks. dist. marked ¼ S.B.T.
40.30 Top of ridge bears N. and S., descend.
43.80 Cross gulch 30 lks. wide 150 ft. below ridge, course N. Ascend.
49.00 Top of spur bears N. 100 ft. above gulch, descend.
52.70 Cross bottom of sag 30 lks. wide, course N. Ascend.
60.00 Summit of ridge bears E. and S. 80° W. over summit.
70.00 Leave summit of ridge bearing S. 85° E. Descend.
74.00 Cross head of gulch, 30 ft. deep, 20 lks. wide, course N.
78.40 The corner of Secs. 2 and 3, T.7.N., R.16.W., already described.
80.00 Set a granite stone 16x10x5 ins. 12 ins. in the ground for
corners of Secs. 34 and 35, marked with 4 notches on W. and
2 notches on E. edges; from which

 A pine 16" diam. bears N. 68½° E.
 15 lks. dist. marked T.8.N., R.16.W., S. 35 B.T.
 A pine 16 in. diam. bears N. 87° W.
 99 lks. dist. marked T.8.N., R.16.W., S. 34 B.T.

Land mountainous.

Soil 2nd rate.

Timber, scattering pine and oak.

Undergrowth of pine, oak and manzanita.

Mountainous land 80.00 chs.

Aug. 6: At this corner I set off 16°45' on the decl. arc; and
at Oh. 5m. 44s. P. M. l.m.t. observe the sun on the meridian;
the resulting lat. is 34°43.5'

E. on a true line on S. bdy. Sec. 35, through scattering
timber and undergrowth of same; Descend.

Resurvey of the South Boundary of T.8.N., R.16.W., S.B.M.

- 13.50 Cross ~~old~~ road bears N. 72° W. and S. 72° E.
- 35.40 Cross gulch 8 lks. wide, course N. Ascend rapidly.
- 37.70 Cross new road leading from Tim Blanchard's ranch to Antelope Valley bears N. and S.
- 38.50 Top of spur bears N. 150 ft. above gulch. Descend.
- 40.00 Set a granite stone 18x10x5 ins. 14 ins. in the ground for $\frac{1}{4}$ Sec. corner marked $\frac{1}{4}$ on N. face; from which
- A ~~lime~~ oak 9 in. diam. bears N. 31 $\frac{1}{2}$ ° E.
24 lks. dist. marked $\frac{1}{4}$ S.B.T.
 - A buckeye 4 in. diam. bears S. 59°45' E.
33 lks. dist. marked $\frac{1}{4}$ S.B.T.
- 41.00 Enter dense brush bears N. and S.
- 47.00 Foot of descent in sag 100 lks. wide, course N., ascend.
- 50.00 Spur 50 ft. above sag bears N., descend.
- 57.00 Cross gulch 20 lks. wide 200 ft. below spur; Course N.E. Ascend.
- 58.50 Spur bears N.E. Descend.
- 63.55 The S.W. corner of the Climax Quartz Claim of E.M. Hamilton and Frank Woods, which is a post in stone mound; Corner in center of gulch 40 lks. wide, course N.E. Ascend rapidly.
- 74.50 Top of spur 200 ft. above gulch bears N.E. Descend.
- 77.00 Cross gulch 10 lks. wide, 100 ft. below spur, course N. Ascend abruptly.
- 80.00 Set a feldspar stone 20x12x7 ins. 15 ins. in the ground for corner of Secs. 1, 2, 35 and 36, marked with 5 notches on W. and 1 notch on E. edge; and raise a mound of stone 4 ft. base, 2 ft. high W. of corner.
- From corner
- A pine 18 in. diam. bears N. 36°38' E.
75 lks. dist. marked T.8.N., R.16.W., S. 36 B.T.
 - A pine 24 in. diam. bears S. 20°15' E.
133 lks. dist. marked T.7.N., R.16.W., S. 1 B.T.
 - A pine 16 in. diam. bears S. 48°15' W.
109 $\frac{1}{2}$ lks. dist. marked T.7.N., R.16.W., S. 2 B.T.
 - A pine 14 in. diam. bears N. 20° W.
38 lks. dist. marked T.8.N., R.16.W., S. 35 B.T.

Land, mountainous.

Soil 3rd rate.

Timber, scattered pine and oak.

Resurvey of the South Boundary of T.8.N., R.16.W., S.B.M.

Undergrowth 39.00 chs. dense chaparral.

Mountainous land 80.00 chs.

E. on a true line on S. bdy. of Sec. 36.

Through scattering timber and dense brush; ascend.

5.00 Top of spur 150 ft. above Sec. corner bears N.

Descend.

11.00 Cross gulch 20 lks. wide 200 ft. below spur.

Course N. Ascend.

13.00 Top of spur bears N. 40 ft. above gulch.

Leave brush bears N. and S. Descend.

13.80 Wire fence bears N. and S.

15.50 Cross gulch 10 lks. wide 50 ft. below spur, course N.E. Ascend.

19.75 Top of spur, bears N.E. 80 ft. above gulch; descend.

23.00 Cross gulch 9 lks. wide, 100 ft. below spur, course N.E. Ascend.

27.00 Spur bears N., descend.

38.50 Cross gulch 12 lks. wide, 150 ft. below spur, course N. 60° E.
Ascend.

40.00 Set a granite stone 14x12x5 ins. 10 ins. in the ground for
¼ Sec. corner marked ¼ on N. face; from which

A pine 16 in. diam. bears N. 17° E.

94 lks. dist. marked ¼ S.B.T.

A pine 2 ft. diam. bears S. 74° 15' E.

47 lks. dist. marked ¼ S.B.T.

40.50 Rocky point on summit of spur bears N. 20° E.

42.75 Cross gulch 13 lks. wide, course N. ascend.

46.75 Summit of ridge bears N.E. and S.W., descend.

49.00 Wire fence bears N.E. and S.W.

62.75 Cross gulch 20 lks. wide, course S.E., ascend.

65.00 Top of spur bears S.E. descends.

67.65 Cross gulch 14 lks. wide, course S. 60° E.

Ascend along S. slope of ridge.

78.75 Top of ascent bears N. and S.

Resurvey of the South Boundary of T.8.N., R.16.W., S.B.M.

80.00 The corner of Twps. 7 and 8, N., R.'s 15 and 16 W.,
Land, rough, mountainous.
Soil 3rd rate.
Timber, scattering pine and oak.
Undergrowth 13.00 chs. dense chaparral.
Mountainous land 80.00 chs.

August 6, 1901.

Resurvey of the East Boundary of T.8.N., R.16.W., S.B.M.

In order to properly complete the survey of Sec.36, I rerun
the E. and N. bdys. of said section.

Aug.7: At the corner of Twps. 7 and 8 N., R's 15 and 16 W.
I set off 16° 28' on the decl. arc and at Oh.5.5m. P. M.
l.m.t. observe the sun on the meridian the resulting lat.
is ~~34°~~ 43.5'

Thence I run

N. on a random line on E. bdy. of Sec. 36

39.50 To $\frac{1}{4}$ Sec. corner which is

A stone pile without marked stone on post.

Re-establish the corner at the same point as follows:

Set a granite stone 15x6x6 ins. 12 ins. in the ground for
 $\frac{1}{4}$ Sec. corner marked $\frac{1}{4}$ on W. face and raised a mound of
stone covered with earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of corner.

79.40 The corner of Secs. 25,30,31 and 36 I find traces of old mound
but no trace of the post could be found. I re-establish the
corner at the same point as follows:

Set a granite stone 16x12x10 ins. 12 ins. in the ground for
the corner of Secs. 25,30,31 and 36 marked with 1 notch on
S. and 5 notches on N. edges and raised a mound of stone
covered with earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of corner.

Thence I run

S. on true line on E. bdy. of Section 36.

Ascend S. slope of mountain.

36.50 Top of ascent bears E. and W.

Descend.

38.75 Cross gulch 15 lks. wide, 40 ft. below ascent, course E. and
ascend.

39.90 The $\frac{1}{4}$ Sec. corner.

40.40 Top of spur 50 ft. above gulch, bears N.E. Descend.

42.90 Cross gulch 12 lks. wide 40 ft. below spur, course NE., Ascend.

45.15 Top of spur 100 ft. above gulch bears N.E. Descend rapidly.

49.25 Enter canon 200 ft. below spur, course N.E.

Resurvey of the East Boundary of T.8.N., R.16.W., S.B.M.

49.75 Ruins of old reservoir bears N.E. about 50 lks. dist.
50.75 Cross dry wash in canon 20 lks. wide, course N.E. Ascend.
51.15 Road bears N.E. and S.W.
75.15 Wire fence bears E. and W.
77.90 Top of ridge bears E. and W. 400 ft. above canon. Descend.
79.40 Corner of Twps. 7 and 8 N., R's. 15 and 16 W.
Land mountainous.
Soil 2nd rate.
Timber, a few scattered pines in canon.
Mountainous land 79.40 chs.

August 7, 1901.

T. 8 N., R. 16 W., S. B. M.
Copied by L.C. McMillan from United States
Cadastral Engineer's Office, Glendale, Calif.

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Resurvey of the South Boundary of Sec. 34,
T. 8 N., R. 16 W., S. B. M. by Francis E.
Joy, U.S. Cadastral Engr.

Survey commenced June 4, 1924

June 11, 1924 with instrument set in same meridian de-
termined June 4, 1924 above described, I make final
test of solar apparatus as follows;

At 8h a.m. app. T. I set off $34^{\circ}44'$ N. on the lat. arc
 $23^{\circ}07'$ N. on the decl. arc and determine a meridian with
the solar, which I find to agree with the true meridian.
At app. noon with lat. arc unchanged I observe the sun
on the meridian, the resulting reading of the declination
arc is $23^{\circ}07'$ N. which agrees with the computed declina-
tion of the sun.

At 4h p.m. app. T. with lat. arc unchanged I set off 23°
 $08'$ N. on the declination arc and determine a meridian
with the solar which I find to agree with the true merid-
ian.

Therefore I conclude that the instrument has been main-
tained in satisfactory adjustment throughout the survey.
From the corner of Secs. 33 & 34 on S. bdy. of T. 8 N.,
R. 16 W., S.B.M.

East on random line along the S. bdy. of Sec. 34.

.06 Forest Service Monument.

40.00 No trace of $\frac{1}{4}$ sec. corner found, set temp. cor.

78.88 Fall 36 lks. S. of the corner of Secs. 2 & 3, T. 7 N.,
R. 16 W., S. B. M.

80.48 Falls 37 lks. S. of the corner of Secs. 34 and 35.

Returning to the corner of Secs. 33 and 34 which is a
granite stone $7\frac{1}{2} \times 3$ ins. above ground firmly set and

Resurvey of the South Boundary
of Sec. 34, T.8 N., R.16 W., S.B.M.

marked with 3 notches on E. and W. edges from which

A dead and burned standing pine 36 ins.
diam. bears N. 14°00' E. 331 lks. dist.
No visible marks original record =
N. 16°00' E. 331 lks. dist.
A pine 20 ins. diam. bears N. 16°00' E.
277 lks. dist. marked T.8 N., R.16 W.
S 34 B. T.
A pine 30 ins. diam. bears N. 35°00' W.
265 lks. dist.
No visible evidence of marks original
record = N. 31°33' W. 265 lks. dist.
I mark tree T.8 N., R.16 W. S 33 B.T.

Thence

N. 89°44' E. on a true line along S. bdy. of Sec. 34
ascending over land along fence.

.06 A National Forest Bdy. iron post 4 ins. diam. 14 ins. above
ground firmly set and marked

No. 64 Reserve and 1905 on S. half of cap
W. Q. T 8 N S 34 on bench in N E quadrant
R 16 W S 33 on level in N W quadrant with
3 notches on E. and W. edges of rim of cap

1.50 Top of ascent about 40 ft. above corner bears N.E. and
S.W., thence descent 110 ft. to
8.20 S.E. corner of fence which bears N. 20° E. and W.
8.40 Local road to house about 7.00 chs. N.W. bears N.20° E.
and S. 20° W.
8.60 Fence bears N. 20° E. and S.E.
14.50 To a shallow lake locally known as Tweedy Lake, bears
N.W. and S.E.
26.20 Leave Tweedy Lake bears N.W. and S.E., thence ascend
about 60 ft. to
35.50 Top of ascent bears N.W. and S.E., thence over rolling
land in saddle between hills.
38.00 Fence bears N. and S.
38.70 Junction of fences bears N. and S. and E. along line.
40.24 Set and iron post 3 ft. long 1 in. in diam. 26 ins.
in the ground for $\frac{1}{4}$ sec. corner Sec. 34 only with brass
cap marked

From which

A line 10 inches diameter bears N. 72° 15' E. 9 lks.
dist. marked 1/4 S 34 B.T.

A Pine 18 ins. dia. bears N. 27° 00' W 119 lks dist.
marked 1/4 S 34 B.T.

Enter timber bears N.W. and S.W. and descend E. slope
50 ft. to

44.20 Middle of dry drain 20 lks. wide course N. heads about
5.00 chs. S. of line thence ascend about 90 ft. to

49.00 Top of short spur slopes N descend 50 ft to

52.00 head of drain course N thence ascend 110 ft. over
N.W. slope to

59.75 Top of ascent thence over rolling steep N. slope

78.88 The corner of Sec. 2 & 3, T. 7 N., R. 16 W., which is a
granite stone 10x6x4 ins. above gr. firmly set and
marked with 2 notches on E. and 4 notches on W. edges
from which

A dead pine 14 inches dia. bears S. 47° 00' E. 24 lks.
dist. marked T. 7 N., R. 16 W. S. 2 B.T. A dead pine
16 ins. dia. bears S. 46° 00' W. 41 lks. dist. marked
T. 7 N., R. 16 W., S. 3 B.T.

N.E. cor. of fence, fence bears S. and W. along line.

80.48 The corner of Sec. 34 and 35 which is a granite stone
10x10x4 ins. above gr. firmly set and marked with
2 notches on E. and 4 notches on W. edges old bearing
trees dead and down I mark new trees as follows:

A pine 20 ins. dia. bears N. 34° 45' E. 182 lks
dist. marked T. 8 N., R. 16 W., S. 35 B.T.
A Pine 16 ins. dia. bears N. 40° 15' W. 135 lks dist.
marked T. 8 N., R. 16 W., S 34 B.T.

A national Forest Bdy. iron post 4 in. dia. 6 inches
above gr. firmly set and marked,

No. 65 Reserve and 1905 on S. half of cap
N.C. T. 8 N., S. 35 on bevel in N.E. quad. and
R. 16 W. S. 34 on bevel on N.W. quad. with 2
notches on E. and 4 notches on W. edges of rim of cap.

bears N. 89°40' E. 6 lks dist.

Land rough and broken

Soil decomposed granite 2nd rate

Timber, pine and oak

Undergrowth same with scrub oak.

Resurvey of a portion of the subdivision of T. 8 N., R. 16 W. S.B.M.

From the corner of Secs. 33 and 34 on the S. Bdy. of T. 8 N., R. 16 W., S.B.M., north on a random line between Sec. 33 and 34

39.59 Fall 152 lks W. of the point for 1/4 sec. cor., continue same line and measurement.

79.84 Fall 34 lks. E. of the cor. of Secs. 27, 28, 33 and 34 returning to the cor. of Secs. 33 and 34 on S. Bdy of the township.

N. 2°12' E. on a true line bet. Secs. 33 and 34 over open land along N. slope.

2.30 Descend N.W. slope thru scattering timber and dense clumps of brush.

13.05 Middle of dry drain 10 lks wide course N.W. 190 ft. below sec. cor., thence 90 ft. over broken S.W. slope to

22.50 Top of ascent thence along W. slope of ridge

27.40 Descend 180 ft. over N.E. slope of spur to

38.10 head of drain course W.

39.62 The point for 1/4 sec. cor. which I determine from the original bearing tree cor. stone and mound of stone scattered at the point for corner.

Set an iron post 3 ft. long 1 in. dia. 24 in. in the gr. for 1/4 sec. cor. with brass cap marked

†

S 33/ S 34

1924

From which old bearing tree

A pine 24 ins. dia. bears S24°15' E. 151
lks dist. 1/4 in blaze shows plainly.
No other trees available
Raise a mound of stone 2 ft. base 1 1/2 ft. high
W. of cor. This cor. is on W. slope of
saddle between hills

Thence

N. 2°39' W. on a true line bet. Secs. 33 and 34
N. 1/2

Ascend 80 ft. over S.E. slope to

- 4.90 Top of ascent bears W. and S.E. descend 130 ft. over
N.E. slope to
- 11.30 Middle of dry drain 25 lks wide course N. 60° W.,
thence ascend 280 ft. over S.W. slope to
- 28.40 Top of ridge in saddle bears N. 70° W. and S. 60° E.,
thence ascend slightly along S.W. slope of spur.
- 34.80 Descend over N. slope of spur 85 ft. to
- 40.29 The cor. of Secs. 27, 28, 33 and 34 which is a granite
stone 6x8x5 in. above gr. firmly set and marked with
3 notches on E. and 1 notch on S. edges North and
alongside.
- Set an iron post 3 ft. long, 2 in. dia. 24 in. in the
gr. for cor. of Sec. 27, 28, 33 and 34 with brass cap
marked

T 8 N R 16 W

S 28	S 27
S 33	S 34

1924

From which

A pine 30 ins. dia. bears N. 13°30' E. 209
lks. dist. marked T. 8 N., R. 16 W., S. 27 B.T.
(New BT)
No other trees available.
Rebuild old mound of stone 2 ft. base 1 1/2 ft. high W.
of corner
land mts.
Soil decomposed granite 2nd rate
Timber, scattering pine
Underground scrub oak chamise and manzanita

Thence

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

- 40.68 Fall 38 blks. S. of the 1/4 Sec. cor.
Thence From the 1/4 Sec. Cor.
East on a random line bet. Secs. 27 & 34 $E \frac{1}{2}$
- 39.90 Full 2 lks N. of the cor. of Sec. 26, 27, 34 and 35
Returning to the cor. of Sec. 27, 28, 33 and 34
N. $89^{\circ} 28'$ E. on a true line bet. Secs. 27 and 34
Descend 120 ft. over N.E. slope of spur thru scattering
timber and dense undergrowth.
- 6.60 Dry drain 10 lks wide course N. thence ascend 180 ft.
over N. slope.
- 13.80 Top of ridge bears N. & S. thence across ridge
22.10 descend 410 ft. over E. slope to
37.65 Middle of dry drain 20 lks. wide course N. thence
ascend E. slope 120 ft. to
- 40.68 The 1/4 Sec. cor. which is a scrub oak 10 ins. dia.
marked 1/4 S. on S. face N. and alongside set and
iron post 3 ft. long 1 in. dia. 20 in. the gr. for
1/4 sec. cor. with brass cap marked

* $\frac{S \ 27}{S \ 34}$

1924

From which old bearing trees

A scrub oak 10 in. diam. bears N. $87^{\circ}00'$ E.
4 lks. dist. marked 1/4 S B T

A scrub oak 6 in. dia. bears S. $10^{\circ}00'$ E.
4 lks. dist. marked $\frac{1}{4}$ S B T

Thence from 1/4 Sec. cor.

S. $89^{\circ}58'$ E. on a true line bet. Secs. 27 & 34
E. $\frac{1}{2}$ ascending E. slope thru brush

- 4.60 Top of ridge bears N. & S. 110 ft. above the 1/4
Sec. cor., thence descend 210 ft. over rolling E.
slope to
- 16.10 Middle of drain 15 lks. wide water near surface
course N.E. thence ascend 75 ft. over N. end of spur
local road to Big Chief Mine bears N.E. and S.W.

- 23.10 Top of spur slopes N. descend 35 ft. to
- 28.85 Middle of dry drain 25 lks wide course N. 20° W. thence ascend 210 ft. over broken N. slope to
- 39.90 The cor. of Secs. 26, 27, 34 and 35 which is a granite stone 10x10x5 ins. above gr. firmly set and marked with 2 notches on E. and 1 notch on S. edges N. and alongside.

Set and iron post 3 ft. long 2 in. dia. 22 in. in the gr. in mound of stone, for the corner of Secs. 26, 27, 34 and 35 with brass cap marked

T S N R 16 W

$\frac{S\ 27}{S\ 34} \quad \frac{S\ 26}{S\ 35}$

1924

Rebuild old mound of stone 3 ft. base 2 ft. high N. of corner. This cor. is on top of a long spur or ridge sloping nearly N.

Land Mountainous

Soil decomposed granite 2nd rate

Timber scattering Pine undergrowth of scrub oak chamise and manzanita

Thence

South on a random line bet. Secs. 34 and 35

- 40.10 Fall 17 lks N. of the 1/4 sec. cor. Thence from the 1/4 Sec. Cor. South on a random line bet. Secs. 34 and 35 S 1/2

- 39.62 Fall 10 lks. N. of the corner of Secs. 34 and 35 on S. Edry. of Tp. hereinbefore described.

Returning to the cor. of Secs. 26, 27, 34 and 35 S. 0°15' East on a true line bet. Secs. 34 and 35 ascending slightly along ridge thru a few scattering clumps of timber and brush.

- 1.00 Cross to east side of ridge

- 4.50 Same ridge bears N.W. and S.E. thence descend. 60 ft. over S.W. slope to

- 13.70 head of drain course N.W. thence ascend 310 ft. to

- 29.40 Top of long spur slopes N.W., thence along broken N.

slope to

36.00 Descend 150 ft. over S. slope to

40.10 The 1/4 Sec. cor. which is a granite stone
6x5x2 in. above gr. firmly set and marked 1/4 on
W. face N. and alongside.

Set an iron post 3 ft. long 1 in. dia. 26 in. in
the gr. for 1/4 sec. cor. with brass cap marked

†
S 34 | S 35

1924

From which old bearing trees

A dead and burned pine 36" dia. bears
N. 21°20' E. 78 lks. dist. agrees with
old record. The tree shows blaze on E.
face

A dead and down pine 24 ins. dia. bears
S. 32°00' W. 150 lks dist. agrees with
old record marked 1/4 S. B.T. on under
side.

Raised a mound of stone 2 ft. base 1½ ft. high
N. of cor.

This cor. is near N. edge of a clump of pine all
burned and nearly all down. S. 0°09'E. on a true
line bet. Secs. 34 and 35 S 1/2

.50 dry drain 5 lks wide course W.

1.50 Point of spur slopes W descend 30 ft. to dry drain

3.25 5 lks. wide course N.W., thence ascend 300 ft.
over N.E. slope to

18.80 Top of spur slopes N.W. thence gradually ascend
over broken land on W. side of spur.

29.50 Descend 140 ft. over S. slope to

35.20 Dry drain 10 lks. wide course W. ascend 170 ft. to

39.62 The corner of Secs. 34 and 35 on the S. bdy. of the
Tp. hereinbefore described-land mountainous.

Soil decomposed granite 2nd rate

Timber a few scattering pine undergrowth scattering
clump of oak chamise and manzanita.