

FIELD NOTES

S. B., T. 1 N., R. 18 W.

(E. B., T. 1 N., R. 18 W.,
(Sections 1, 24, 25 & 36 only)

and

Between Sections (13 & 24 part
(24 & 25 part
(25 & 36
(25 & 26 part
(26 & 35 part
(34 & 35 part
(35 & 36
(31 & 32 part

Also

T. 1 S., R. 18 W.

Between Sections (2 & 3
(3 & 4
(4 & 5
(3 & 10
(4 & 9

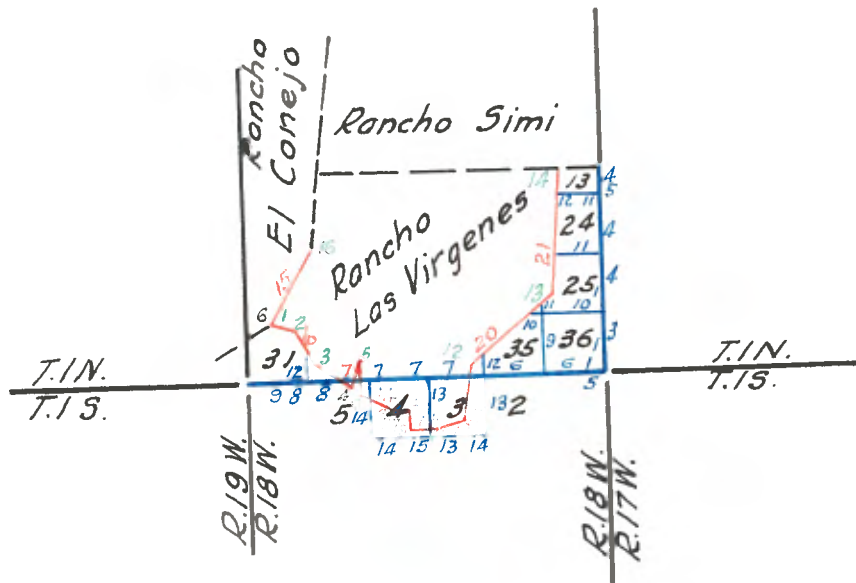
Also

RESURVEY OF RANCHO LAS VIRGENES

in

TOWNSHIPS 1 N. & 1 S., R. 18 W.

(Copied from Notes loaned by Mr. L. Friel)



Lines North of S. B. Base Line
T. 1 N., R. 17 W.

S. 40° W. 2nd Mile

- 16 11 Set charred Oak Stake and charred Oak post in a mound of earth to Secs. 25, T. 1 N., R. 18 W., 30, T. 1 N., R. 17 W., from which the centers of 4 pits br. N. 10 lks. S. 10 lks. E. 10 lks. W. 10 lks., being 112 chs. 63 lks., 1 mile 32 chs. 63 lks. N. of the San Bernardino Base Line. From the last post, ran on the Range line SOUTH bet. Ranges 17 & 18, with
- Var. 13° 30' E.
- 8 00 From level prairie to steep hills, course SE.
31 50 To small prairie valley.
32 63 Set charred stake, and Oak post in a mound of earth, cor. to secs. 25 & 36, T. 1 N., R. 18 W., secs. 30 & 31, T. 1 N., R. 17 W., from which the center of 4 pits br. NE. 11 lks. NW. 11 lks. SE. 11 lks. SW. 11 lks. Post oak S. 18° E. 107 lks. T. 1 N., R. 17 W., sec. 31, 21" dia., no other bearing tree convenient.
Last 32 - 63 chs. (run measured and marked) is mostly hilly, prairie, partly brushy, 2nd rate upland, continued S. on R. line.
- .20 SOUTH on Range line bet. Rs. 17 & 18, Secs. 31 & 36.
40 00 From valley to hills.
Set $\frac{1}{4}$ sec. post, from which bears
Post oak N. 12° E. 189 lks. 17" dia.
Post oak S. 66° W. 283 lks. 24" dia.
- 43 50 To valley.
48 00 Cross gully 30 lks. wide, course SE.
61 50 Cross valley to hilly prairie, from which Mexican Rancho brs. E. 6 chs.
- 72 00 Another Mexican Rancho brs. E. 15 chs., names not known.
80 00 To San Bernardino Base Line, set post cor. to Sec. 31, T. 1 N., R. 17 W., Sec. 36, T. 1 N., R. 18 W., Sec. 6, T. 1 S., R. 17 W., Sec. 1, T. 1 S., R. 18 W., from which bears
Post oak N. 2° E. 163 lks. 14" dia.
T. 1 N., R. 17 W., Sec. 31
Post oak S. 65 $\frac{1}{2}$ ° E. 313 lks. 20" dia.
T. 1 S., R. 17 W., Sec. 6
Post oak N. 74° W. 53 lks. 20" dia.
T. 1 N., R. 18 W., Sec. 36.
Post oak S. 64° W., 182 lks. 22" dia.
T. 1 S., R. 18 W., Sec. 1
- Last mile open prairie chiefly and hilly and wavy, chiefly hilly, 2nd rate up land, partly level.

Thence with Variation of Needle 13° 30' E.
Ran EAST 1st mile on S. B. of T. 1 N., R. 17 W.

Returned to the cor. on the San Bernardino Base Line, to Ranges 17 & 18 and run that Base Line with

Var. 13° 30' E.

West through prairie hills.

1st mile on S. B. of T. 1 N., R. 18 W.

- 8 50 Set post from which bears
Red oak S. 80° W. 31 lks. 11" dia. $\frac{X}{\equiv}$
Red oak N. 4° W. 56 lks. 6" dia. $\frac{X}{\equiv}$
Last 8 50 chs. 2nd rolling prairie.

NOTE: Find it impracticable to continue the line further W. than

13 50 8 chs. 50 lks. with the required degree of accuracy, the high rugged hills commencing at that point, returned on the line 100 lks. W. of cor. to Rs. 17 & 18 and ran due South about 100 lks. West of Sulphur branch, course S.

Thence due WEST, T. 1 S., R. 18 W. over hills.

27 00 To small valley.

31 80 Stake W. of Range line bet. 17 & 18.

Thence due NORTH through valley, level prairie.

9 00 To hills.

13 50 To San Bernardino Base Line

Thence due WEST, continued the San Bernardino Base Line

31 80

8 20

40 00 Making 40 chs. on the San Bernardino Base West of the cor. to Rs. 17 & 18 at which set $\frac{1}{4}$ sec.

40 00 $\frac{1}{4}$ S. Post, from which bears

Post oak S. 77° W. 50 lks. 20" dia.

Red oak N. $23^{\circ} 30'$ W. 20 lks. 8" dia.

41 00 From hills to valley.

42 50 To deep ravine dry, 70 lks. wide, course S.

45 00 Cross another deep ravine, dry, 40 lks. wide, course S. 30° E.

48 00 Cross valley, course S. 30° E. for about 80 chs. and N. 30° W. for about 30 chs. then nearly North for about 60 chs.

53 24 W. of SE. cor. of T. 1 N., R. 18 W.

A Red oak tree on S. side of steep hill 22" dia. marked with a

X and T. 1 S., R. 18 W., S. 1, T. 1 N., R. 18 W. S. 36,

from which bears two Red oaks S. 79° E. 162 lks. T. 1 S., R. 18 W. S. 1, 33" dia.

N. 80° E. 8 lks. T. 1 N., R. 18 W. S. 36, 15" dia.

Land 53-24 chs., variable level, wavy and very broken, 2nd and 3rd rate, mostly prairie, skirted with sand on the high hills.

Compelled to discontinue the Base Line to the West, owing to abrupt rocky and scrub hills.

H. Washington,

Vol. 163-1

Contract, Oct. 4, 1852.

SAN BERNARDINO BASE LINE, along

S. E., T. 1 N., R. 17 W., S. E. M.

From the cor. to Tps. 1 N., & 1 S., Rs. 17 & 18 W., which is nearly obliterated, and the post lying on the ground and the bearing trees decayed and to remark which I set a post $4\frac{1}{2}$ ft. long, 4 in. sq. with marked stone 12 in. in the ground, marked T. 1 N., S. 31 on NE., R. 17 W., S. 6 on SE., T. 1 S., S. 1 on SW. and R. 18 W., S. 36 on NW. faces with 6 notches on each edge, and raised a stone mound around post, from which bears the following old trees, which I remark

An oak 20 in. dia. N. 74° W. 43 lks. dist. marked
T. 1 N., R. 18 W., Sec. 36 B. T.

An old stump S. $65\frac{1}{2}^{\circ}$ E. 313 lks. dist., re-marked
T. 1 S., R. 17 W., Sec. 6 B. T.

With no other trees within limits, I took the latitude and found it to be $34^{\circ} 07'$ N.

Vol. 125-5

Sept. 23, 1895
J. R. Glover.

RESURVEY OF PORTION OF

S. E., T. 1 N., R. 17 W., S. E. M.

From the cor. to Tps. 1 N., Rs. 17 & 18 W., on San Bernardino Base Line, previously rebuilt by me, I run NORTH on a random line bet. secs. 31 & 36. Var. $14^{\circ} 30'$ E.

40 00 After diligent search, failing to find old $\frac{1}{4}$ sec. cor. I set temp. $\frac{1}{4}$ sec. cor. and continue North.

80 00 To old cor. to secs. 25, 30, 31 & 36, which is a sandstone set firmly in the ground, marked with 1 notch on S. and 5 on N. edges, with pits in each sec. $5\frac{1}{2}$ feet dist. which I re-dig and an earth and stone mound alongside, which I rebuilt; from which bears

A White Oak 18" dia. S. 18° E. 107 lks. dist.
which I remarked T 1 N, R 17 W. S. 31 B. T. Thence I run SOUTH on a true line bet. secs. 31 & 36.

Var. $14^{\circ} 30'$ E.

Ascend.

4 75 Top of spur brs. E. & W. and descend.
10 02 Cross gulch 4 lks. wide course E. and ascend.

18 00 Top of spur brs. E. & W. and descend.

40 00 Set a post 3 ft. long 3 in. sq. 24 in. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S. on W. face; from which bears

A White Oak 24 in. dia. N. $12\frac{1}{2}^{\circ}$ E. 202 lks. dist.
marked $\frac{1}{4}$ S. B. T.

A White Oak 36 in. dia. S. $82\frac{3}{4}^{\circ}$ W. 202 lks. dist.
marked $\frac{1}{4}$ S. B. T.

47 57 Cross gulch 5 lks. wide course SE. and ascend.

53 00 A house bears W. 80 lks. dist.

60 20 Cross road brs. E. & W.

74 50 A house brs. S. $8^{\circ} 50'$ E. 190 lks. dist.

75 00 A house brs. S. 80° W. 200 lks. dist.

80 00 The cor. to Tps. 1 N., & 1 S., Rs. 17 & 18 W.

Land broken. Soil 2nd and 3rd rate.

Scattering oak timber and dense undergrowth of chaparral.

October 4, 1895.

NORTH bet. secs. 25 & 30.

Var. 14° 30' E.

Descend.

8 20 Cross gulch 20 lks. wide course E. and ascend.

9 00 A house brs. W. 260 lks. dist.

18 00 Top of spur brs. E. & W. and descend.

19 60 Cross wire fence brs. E. & W.

24 00 Enter grain field in valley brs. E. & W.

27 10 Cross wire fence and leave grain field brs. NW. & SE.

27 52 Cross ravine 4 lks. wide course SE.

32 63 After diligent search, failing to find old W.C. I continue North.

39 90 Cross wire fence brs. E. & W.

40 00 Set a post 3 ft. long 3 in. sq. with marked stone 12 in. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S. on W. face and raised a stone mound around post. Pits impracticable.

40 40 Cross Ventura and Los Angeles road, brs. E. & W.

40 76 Cross fence brs. E. & W.

42 00 Mr. Dice's house, which is also the Dice Post Office, brs. 6 lks. E.

57 00 Cross wash, 10 lks. wide, course SE.

58 20 Cross wire fence brs. E. & W.

75 00 Cross road brs. N. 65° W. and S. 65° E.
A house brs. N. 65° W. 6 00 chs. dist.

77 00 Leave valley brs. E. & W. and ascend.

80 00 Set post 4 ft. long 4 in. sq. with marked stone 12 in. in the ground for cor. to secs. 19, 24, 25 and 30, marked T 1 N, S 19 on NE., R 17 W. S. 30 on SE., R 18 W. S. 25 on SW. and S. 24 on NW. faces, with 2 notches on S. ~~and 4 notches on S.~~ and 4 notches on N. edges and raised a stone mound around post. Pits impracticable.
Land for S. 24.00 chs. broken and mountainous, with 3rd rate soil; remainder (except 3.00 chs. broken land on north) rolling and level valley with 2nd rate soil. Dense undergrowth of Chaparral.
October 4, 1895.

NORTH bet. secs. 19 & 24.

Var. 14° 30' E.

Ascend.

.55 Cross wire fence brs. E. & W.

2 00 Top of spur brs. E. & W. and descend.

6 64 Cross wash 7 lks. wide course SW. and enter valley brs. NE. & SW.

9 50 Leave valley brs. E. & W. and ascend.

36 00 Top of high ridge brs. E. & W. and descend.

40 00 Set a sandstone 20 x 14 x 8 ins. 15 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face, from which brs.
A Live Oak 16" dia. N. 45 $\frac{1}{2}$ ° E. 131 lks. dist.
marked $\frac{1}{4}$ S. B.T.
A Live Oak 18" dia. N. 36 $\frac{1}{4}$ ° W. 149 lks. dist.
marked $\frac{1}{4}$ S. B.T.

51 46 Cross gulch 4 lks. wide course NE. and continue descent.

60 25 Cross road brs. SE. & W.

64 00 Cross gulch 4 lks. wide course NE. and continue descent.

64 50 Cross gulch 6 lks. wide course E. and ascend.

70 00 Top of spur brs. E. & W. and descend.

75 00 Cross gulch 6 lks. wide course E. & W. and ascend.

80 00 Set a post 4 ft. long 4 in. sq. with marked stone 12 in. in the ground for cor. to secs. 13, 18, 19 and 24, marked T 1 N. S. 18 on NE., R 17 W. S. 19 on SE., R 18 W. S. 24 on SW. and S 13 on NW. faces, with 3 notches on N. & S. edges and raised a stone mound around post. Pits impracticable.
Land broken, rolling and level. Soil 2nd and 3rd rate. Scattering oak timber and dense undergrowth of chaparral.

NORTH bet. secs. 13 & 18.

Var. 14° 30' E.

Ascend.

16 00 Top of ridge brs. N. 60° W. and S. 60° E. and descend.

27 60 Cross gulch 4 lks. wide course E. and ascend.

34 00 Top of spur brs. E. & W. and descend.

36 00 Cross gulch 3 lks. wide course E. and ascend.

36 92 Int. Bdy. Line of Ro. Simi 36.54 chs. N. 89° 09' W. from cor. $\frac{4}{160}$

previously set by me and set a post $4\frac{1}{2}$ ft. long 4 in. sq. 12 in. in the ground for closing cor. to Tps. 1 N., Rs. 17 & 18 W. marked C.C. T. 1 N. on S., R 17 W. S. 18 on E. and T. 18 W. S. 13 on W. faces with 6 notches on S. E. & W. edges, from which brs.

A Live Oak 5 in. dia. S. $27\frac{3}{4}^{\circ}$ E. 172 lks. dist.
marked T 1 N. R 17 W. S. 18 E. T.

A Live Oak 18 in. dia. S. $25\frac{1}{2}^{\circ}$ W. 159 lks. dist.
marked T 1 N. R 18 W. S. 13 E. T.

No other tree within limits, raised a stone mound around post. Pits impracticable. Land rough and broken. Soil 3rd rate. Scattering timber of oak and dense undergrowth of chaparral.

Vol. 128-15

F. R. Glover

October 5, 1895

SAN BERNARDINO BASE LINE THROUGH

T. 1 N., R. 18 W., S. E. M.

Survey commenced Sept. 21, 1896, and executed with a Burt's Patent Improved Solar Compass, made by John Roach of San Francisco. This instrument was examined by Jos. C. Sala, Examiner of Instruments for the U. S. Surveyor General for Calif., as per Certificate No. 20, dated June 11, 1895.

On the night of Sept. 20, 1896, at cor. to Tps. 1 N. and 1 S., Rs. 17 & 18 W. at 7h. 26m. P.M., I observe Polaris approaching its eastern elongation and mark the line thus determined by a tack driven in a wooden plug set in the ground, 5.00 chs. N. of my station.

On the morning of Sept. 21, 1896, at 7h. 00m. I lay off the Azimuth of Polaris $1^{\circ} 30'$ to the W. of the line and mark the true meridian thus established by driving a tack in a plug set firmly in the ground. The magnetic bearing of the true meridian at 7h. A. M. N. $14^{\circ} 54'$ W.

The angle thus determined reduced by the table, page 100 of the Surveying Manual, gives the mean magnetic declination $14^{\circ} 52'$ E.

Sept. 21, 1896, at 6h. 30m. A.M. corrected local mean time, I set off $34^{\circ} 07'$ N. on the Lat. arc; $0^{\circ} 24'$ N. on the Decl. arc; and determine a true meridian, Longitude $118^{\circ} 43'$ W. with Solar Compass.

At the cor. to Tps. 1 N. & 1 S., Rs. 17 & 18 W. on the S. B. Base Line, which is a redwood post 6 in. sq. 2 ft. above ground marked and witnessed as described by the Surveyor General. Thence I run

WEST bet. secs. 1 and 36.

Ascending.

00 05 Cross fence brs. N. & S.
6 00 A house brs. N. 45° W.
8 67 Cross fence brs. N. & S.
20 00 Top of ridge brs. N. & S. and descend.
20 10 Cross fence brs. N. & S.
Difference bet. measurement of 40 00 chs. by two sets of chainmen is 6 lks. position of middle point
By 1st set is 40.03 chs.
By 2nd set is 39.97 chs. the mean of which is
40 00 Set a sandstone 30 x 18 x 10 ins. 21 ins. in the ground for $\frac{1}{4}$ sec. cor. marked S. C. 3 on W. face and raised a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable, from which
A Live Oak 16 in. dia. brs. N. 12° W. 16 lks. dist.
marked S. C. $\frac{1}{4}$ S. B.T.
No other trees within limits.
44 70 Cross gulch 12 lks. wide course S. and ascend.

45 10 Cross fence brs. N. & S.
 46 00 A house brs. S. 6° W.
 50 50 Top of spur, trends N. and descend.
 60 60 Jackson Tweedy's house brs. N. 4½° W. Another house brs. N. 2° W.
 63 40 Cross gulch 6 lks. wide course NE. and ascend.
 Difference bet. measurements of 80 chs. by two sets of chainmen
 is 14 lks. Position of middle point,
 By 1st set 80.07 chs.
 By 2nd set 79 93 chs, the mean of which is
 80 00 Set an Oak post 4" sq. 3 ft. long with marked stone 24 ins. in
 the ground for cor. to secs. 1, 2, 35 and 36, marked S.C. T 1 N,
 S 36 on NE., R 18 W. S 1 on SE., T 1 S. S 2 on SW., and S 35 on
 NW. faces, marked with one notch on E. and five notches on E.
 edges and raised a mound of stone 2 ft. base 1½ ft. high N. of
 corner. Pits impracticable, from which
 An Oak 12" dia. brs. N. 2° E. 28 lks. dist.
 marked S. C. T 1 N, R 18 W, S 36 B.T.
 An Oak 5" dia. brs. S. 29° E. 31 lks. dist.
 marked S.C. T 1 S, R 18 W, S 1 B.T.
 An Oak 12" dia. brs. S. 60° W. 30 lks. dist.
 marked S. C. T 1 S, R 18 W, S 2 B.T.
 An Oak 4" dia. brs. N. 64° W. 20 lks. dist.
 marked S. C. T 1 N, R 18 W, S 35 B.T.
 Land hilly. Soil 2nd and 3rd rate.
 Timber oak. Dense undergrowth of same and chaparral.

WEST bet. Secs. 2 and 35.
 Ascend.

8 50 Top of ridge brs. N. & S. +60 ft. above sec. cor. and descend.
 17 50 A house brs. S. 82° W.
 28 20 Cross gulch 8 lks. wide course S. 50° W. -100 ft. below ridge
 and ascend.
 33 00 Top of spur trends SW. -50 ft. below ridge, descend.
 36 30 Cross gulch 6 lks. wide course S. -50 ft. below spur, ascend.
 Difference bet. measurements of 40 chs. by 2 sets of chainmen
 is 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 an Oak post 3 ft. long 3 in. sq. with marked stone 24 ins. in
 the ground for ¼ sec. cor. marked S.C. ¼ S, on N. face & raised
 a mound of stone 2 ft. base 1½ ft. high N. of cor.
 Pits impracticable, from which
 A Live Oak 24 ins. dia. brs. S. 82° E. 170 lks.. dist.
 marked S. C. ¼ S. B.T.
 Udell's house brs. S. 3° 40' E. 3.90 chs. dist.
 42 00 Cross fence brs. N. 70° W. and S. 70° E.
 44 15 Cross fence brs. N. & S.
 65 00 Top of ridge brs. N. & S. +150 ft. above gulch and descend.
 Difference bet. measurements of 80 chs. by 2 sets of chainmen
 is 16 lks. position of middle point
 By 1st set 79.92 chs.
 By 2nd set 80 08 chs., the mean of which is
 80 00 Set an Oak post 3 ft. long 4 in. sq. with marked stone 24 ins.
 in the ground for cor. to secs. 2, 3, 34 and 35, marked
 S.C. T 1 N, S 35 on NE., R 18 W. S 2 on SE., T 1 S, S 3 on SW.
 and S 34 on NW. faces, with 2 notches on E. and 4 notches on W.
 edges, dug pits 24 x 18 x 12 ins. in each section 5½ ft. dist.
 and raised a mound of earth 4 ft. base 2 ft. high N. of corner.
 from which
 A White Oak 30 ins. dia. brs. S. 72½° W. 264 lks. dist.
 marked S.C. T 1 S, R 18 W, S. 3, B.T.
 No other trees within limits.
 This corner is set in low sag.
 Land broken and mountainous. Soil 2nd and 3rd rate.
 Timber Oak. Dense undergrowth of same and chaparral.

September 21, 1896.

Oct. 9, 1896, at 7h. 30m. A.M. l.m.t., I set off $34^{\circ} 07'$ N. on the Lat. arc and $6^{\circ} 35'$ S. on the Decl. arc, and determine a true meridian with a solar at the cor. to secs. 2, 3, 34 and 35.

WEST bet. secs. 3 and 34.

Ascend.

- 6 00 Top of ridge brs. N. & S. and descend.
Difference in measurements of 21.45 chs. by 2 sets of chainmen is 4 lks. position of middle point
By 1st set 21.47 chs.
By 2nd set 21.47 chs. the mean of which is
- 22 15 Int. Rancho Las Virgenes at a point S. $5^{\circ} 47'$ W. 18.77 chs. from cor. L.V. No. 12, which is a granite stone 18 x 12 ins. 24 ins. above ground and marked and witnessed as described by Surveyor General, and set a sandstone 20 x 10 x 8 ins. 15 ins. in the ground for closing cor. to frac. secs. 3 and 34, marked C.C. on E. and L.V. on west faces with 3 notches on E. and W. edges and raised a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high E. of corner.
Pits impracticable.
A White Oak 16 in. dia. brs. S. 29° E. 89 lks. dist. marked T 1 S, R 18 W., S. C.C. B.T.
Thence continue on a blank line through Rancho Las Virgenes.
- 35 80 Cross road brs. N. & S.
Difference bet. measurements of 40 chs. by 2 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 is
- 40 00 Set a blank post for $\frac{1}{4}$ sec. cor. in dry bed of creek, 4 00 chs. wide course SW.
- 58 00 Enter dense chaparral.
Difference bet. measurements of 80 chs. by 2 sets of chainmen is 10 lks. position of middle point
By 1st set 80.05 chs.
By 2nd set 79 95 chs. the mean of which is
- 80 00 Set a blank post for cor. to secs. 3, 4, 33 and 34.
Land broken and hilly. Soil 2nd and 3rd rate.
Timber Oak. Dense undergrowth of chaparral.

WEST on a blank line bet. secs. 4 & 33 across Rancho Las Virgenes.
Ascend.

- 3 75 Top of ridge brs. S. 80° E. & N. 80° W. and descend.
- 22 50 Cross gulch 5 lks. wide, course SE. and ascend.
- 39 50 Top of ridge brs. S. 60° E. & N. 60° W. and descend.
Difference bet. measurement of 40 chs. by 2 sets of chainmen is 8 lks. position of middle point
By 1st set 40.04 chs.
By 2nd set 39 96 chs. the mean of which is
- 40 00 Set a blank post for $\frac{1}{4}$ sec. cor.
Difference bet. measurement of 80 chs. by 2 sets of chainmen is 12 lks. position of middle point
By 1st set 80.06 chs.
By 2nd set 79 94 chs.
- 80 00 Set a blank post for cor. to secs. 4, 5, 32 and 33, in dry bed of creek course S.
Land broken and mountainous. Soil 2nd and 3rd rate.
Timber Oak. Dense undergrowth of same and chaparral.

Oct. 9, 1896.

Oct. 10, 1896, at 7h. 30m. A.M. l.m.t., I set off $34^{\circ} 07'$ N. on the Lat. arc; and $6^{\circ} 58'$ S. on the Decl. arc and determine a true meridian with the solar at cor. to secs. 4, 5, 32 and 33.

WEST on a blank line bet secs. 5 and 32, across Rancho Las Virgenes.

- .75 Cross road brs. N. & S.
- 6 19 At this point of intersection, chains agree.
Int. Rancho Las Virgenes at a point S. $7^{\circ} 19'$ E. 5.40 chs. dist.

from cor. L.V. No. 5, which is a sandstone 22 x 12 x 7 ins. set firmly in the ground marked and witnessed as described by me in re-survey of Rancho and set a sandstone 18 x 12 x 10 ins. 12 in. in the ground for closing cor. to frac. secs. 5 and 32, marked C C. on E. and L V. on W. faces, and raised a mound of stone 2 ft. base 1½ ft. high E. of corner. Pits impracticable.

13 39 At this point of intersection, chains agree.
 Int. Rancho Las Virgenes at a point N. 50½° E. 8.37 chs. dist. from cor. L V. No. 4, which is a sycamore tree 18 in. dia. marked and witnessed as described by Surveyor General and Set a sandstone 12 x 12 x 8 ins. 8 ins. in the ground for closing cor. to frac. secs. 5 and 32, marked C C. on E. and L V. on W. faces and raised a mound of stone 2 ft. base 1½ ft. high E. of corner. Pits impracticable.

16 00 Cross road brs. N. 20° E. & S. 20° W.
 20 00 Cross La Sierra creek 20 lks. wide course N.
 20 40 Cross road brs. N. & S.
 25 20 Cross road brs. NW. & SE.
 28 52 At this point of intersection, chains agree.
 Int. Rancho Las Virgenes at a point N. 58° W. 10.22 chs. dist. from cor. L V. No. 4, previously described and set a sandstone 24 x 11 x 10 ins. 18 ins. in the ground for closing cor. to frac. secs. 5 and 32, marked C C. on W. and L V. on E. faces, and raised a mound of stone 2 ft. base 1½ ft. high W. of corner. Pits impracticable.
 Difference bet. measurement of 40 chs. by 2 sets of chainmen is 16 lks. position of middle point
 By 1st set 39.92 chs.
 By 2nd set 40.08 chs. the mean of which is

40 00 Set a sandstone 19 x 10 x 8 ins. 12 ins. in the ground marked S C. ¼ on N. face and raised a mound of stone 2 ft. base 1½ ft. high Pits impracticable.
 Ballard's house brs. S. 47½° E. about 20.00 chs. dist.
 42 50 Cross gulch 6 lks. wide course S. 10° E. and ascend.
 48 00 Top of ridge brs. N. 80° E. and S. 80° W. and descend.
 76 75 Cross gulch 5 lks. wide course N. and ascend.
 Difference bet. measurements of 80 chs. by 2 sets of chainmen is 8 lks. position of middle point
 By 1st set 79.96 chs.
 By 2nd set 80.04 chs. the mean of which is

80 00 Set a limestone 22 x 12 x 10 ins. 16 ins. in the ground for cor. to secs. 5, 6, 31 and 32, marked S C. on N. face with 5 notches in E. and 1 notch on W. edges and raised a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
 Land broken and mountainous. Soil 3rd rate.
 Timber Oak. Dense undergrowth same and chaparral.

WEST bet. secs. 6 and 31.
 Descend.

3 25 Cross gulch 6 lks. wide course N. and ascend.
 5 25 Top of spur trends N. +50 ft. above gulch and descend.
 9 75 Cross gulch 7 lks. wide course N. 15° W. -100 ft. below spur and ascend.

11 50 Top of spur trends N. 20° W. +50 ft. above gulch and descend.
 20 00 Cross gulch 10 lks. wide course N. -100 ft. below spur and ascend.
 25 00 Top of spur trends N. +50 ft. above gulch and descend.
 28 10 Cross gulch 8 lks. wide course N. 10° W. and ascend.
 33 00 Top of spur trends N. and descend.
 38 49 Cross gulch 7 lks. wide course N. -90 ft. below spur and ascend.
 Difference bet. measurement of 40 chs. by 2 sets of chainmen is 18 lks. position of middle point
 By 1st set 40.09 chs.
 By 2nd set 39.91 chs. the mean of which is

40 00 E. slope of spur, 30 ft. above gulch, set a sandstone 20x10x8 ins. 85 ins. in the ground for ¼ sec. cor. marked S C. ¼ on N. face and raised a mound of stone 2 ft. base 1½ ft. high N. of corner Pits impracticable.

51 00 Top of spur trends N. +75 ft. above corner and descend.
 55.20 Cross gulch 10 lks. wide course N. 10° W. -50 ft. below spur and ascend.
 60 25 Top of spur trends N. 10° W. +60 ft. above gulch and descend.
 68 00 Cross low sag and ascend.
 77 50 Top of spur trends N. +75 ft. above gulch and descend.
 Difference bet. measurements of 80 chs. by 2 sets of chainmen is 6 lks. position of middle point
 By 1st set 80.03 chs.
 By 2nd set 79.97 chs. the mean of which is
 80 00 Set a sandstone 30 x 12 x 10 ins. 22 ins. in the ground for cor. to Tps. 1 N. and 1 S., Rs. 18 and 19 W. marked with 6 notches on each edge, S. C. on N. face, raised a stone mound 2 ft. base 1½ ft. high N. of corner. Pits impracticable.
 Land broken and mountainous. Soil 2nd and 3rd rate.
 Timber Oak. Dense undergrowth same and chaparral.

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JAMES H. GLOVER.

Oct. 10, 1896

Nov. 7, 1896, at 7h. 30m. A.M. l.m.t., I set off 34° 07' N. on the Lat. arc and 16° 32' S. on the Decl. arc and determine a true meridian with the solar at the cor. to secs. 1, 2, 35 and 36.
 I commence at the cor. to secs. 1, 2, 35 and 36, on the San Bernardino Base line on the S. B. previously described by me on page 3 of my book of Ext. Thence I run
 N. 0° 01' W. bet. secs. 35 and 36, ascend through chaparral and Oak timber.
 3 50 Top of spur 25 ft. above cor. to secs. 1, 2, 35 and 36, bra. E. and W. and descend.
 7 00 Gulch 6 lks. wide course E. 50 ft. below top of spur. Ascend.
 10 50 Top of spur 50 ft. above gulch bra. E. & W. Descend.
 20 65 Fence bra. NE. & SW.
 28 00 Gulch 10 lks. wide course E. 200 ft. below top of spur. Ascend.
 32 50 Top of spur 60 ft. above gulch bra. E. & W. Descend.
 38 30 Gulch 7 lks. wide course E. 30 ft. below top of spur. Ascend.
 40 00 Set a sandstone 18 x 12 x 9 ins. 9 ins. in the ground for ¼ sec. cor. marked ¼ on N. face, from which
 A Live Oak 14 ins. dia. bra. S. 37½° W. 62 lks. dist.
 marked ¼ S. B.T.
 A Live Oak 5 ins. dia. bra. S. 72½° E. 42 lks. dist.
 marked ¼ S. B.T.
 From this ¼ sec. cor. a house bra. S. 2½° E. about 15 chs. dist.
 40 15 Wire fence bra. E. & W.
 41 85 Top of rocky point bra. E. & W. Descend.
 43 90 Gulch 8 lks. wide course S. 80° E. 50 ft. below ¼ sec. cor. Ascend.
 54 00 Top of spur bra. SE. & NW. Descend.
 56 75 Spring 13 lks. E. of line.
 57 75 Canyon 25 lks. wide course SE.
 Leave timber and ascend through chaparral.
 65 50 Top of ridge 200 ft. above canyon bra. NW. & SE.
 Descend through chaparral.
 72 75 Canyon 25 lks. wide course N. 80° E. 150 ft. below top of ridge
 Ascend.
 74 50 Top of ridge bra. N. 40° E. & S. 40° W. 40 ft. above canyon. Descend.
 78 55 Canyon 20 lks. wide, course N. 20° E. 40 ft. below top of ridge.
 Ascend.
 80 00 Set a sandstone 36 x 18 x 4 ins. 27 ins. in the ground for corner to secs. 25, 26, 35 and 36, marked with 1 notch on E. & S. edges, from which
 A Live Oak 20 in. dia. bra. S. 71½° E. 85 lks. dist.
 marked T 1 N, R 18 W, S 36 B.T.
 A Live Oak 18 ins. dia. bra. N. 56° E. 76 lks. dist.
 marked T 1 N, R 18 W, S 25 B.T.
 No other trees within limits and raised a mound of stone 2 ft. base 1½ ft. high W. of corner. Pits impracticable.
 Land rough and mountainous. Soil 2nd and 3rd rate.
 Timber Oak. Dense undergrowth same and chaparral.