

9061

FIELD NOTES.

T 1 S., R 17 W., S. B. M.

Sections 4, 5, 6, 9.

N & S B, Section 3.

W B. Sections 7, 8, 15.

S B, Section 10.

Copied from Notes loaned by Mr. L. Friel.

R.17W.					
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
R.17W.					

San Bernardino Base Line along S. Bdy. T 1 N., R 17 W., S.B.M.

From the cor. to Tps. 1 N. and 1 S., Rs. 17 & 18 W., which is nearly obliterated, the post lying on the ground, and the bearing trees decayed and to re-mark which I set a post $4\frac{1}{2}$ ft long, 4 ins. sq., with marked stone 12 ins. 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.

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 re-mark

An Oak 20 ins. dia. N 74° W. 43 lks. dist., marked

T 1 N R 18 W S 36 B.T.

An old stump S. $56\frac{1}{2}^\circ$ E. 313 lks. dist., re-marked

T 1 S R 17 W S 6 B.T.

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

EAST on TRUE line bet. secs. 6 and 31.

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

Descend.

- 1 00 Enter valley, brs N & S.
- 8 76 Cross creek, 15 lks. wide, course S.
- 9 08 Cross road brs N & S.
- 13 52 Cross road, brs. N & S.
- 17 50 Leave valley, brs. N & S. and descend.
- 34 25 Top of ridge, brs. N & S. and descend.
- 39 20 Cross gulch, 4 lks. wide, course S. and ascend.
- 40 00 Set a sandstone 28 x 20 x 6 ins. 21 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; dug pits 18 x 18 x 12 ins. E & W. of stone, $5\frac{1}{2}$ ft dist. and raised an earth mound $1\frac{1}{2}$ ft high $3\frac{1}{2}$ ft base alongside.
- 43 10 Top of spur brs. N & S. and descend.
- 46 52 Cross gulch, 3 lks. wide, course S. and ascend.
- 60 00 Top of ridge, brs. NE & SW. and descend.
- 71 35 Cross canyon, 10 lks. wide, course S. and ascend.
- 80 00 Set a post 4 ft long, 4 ins. sq., with marked stone 12 ins. in the ground for cor. to secs. 5, 6, 31 & 32, marked
- T 1 N S 32 on NE.
- R 17 W S 5 on SE.
- T 1 S S 6 on SW.
- S 31 on NW. faces, with 1 notch on W. and 5 notches on E. edges; dug pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft dist. and raised an earth mound $2\frac{1}{2}$ ft base, 2 ft high around post.
- Land for W. 17 chs. Valley; 2nd rate soil; remainder mountainous, 3rd rate soil.
- Scattering oak and sycamore timber and dense undergrowth of chaparral.

Sept 23, 1895.

EAST on a TRUE line bet. secs. 5 and 32.

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

Ascend.

- 5 50 Top of spur, brs. N & S. and descend.
- 20 60 Cross ravine 10 lks. wide course S. 6° W. and ascend.
- 29 50 Top of ridge brs. N & S. and descend.
- 32 61 Cross gulch, 5 lks. wide, course S. and ascend.
- 34 50 Top of ridge, brs. NE & SW. and descend.
- 40 00 Set a sandstone 28 x 14 x 9 ins. 21 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face, dug pits 18 x 18 x 12 ins. E. & W. of stone, $5\frac{1}{2}$ ft dist. and raised a mound of earth, $1\frac{1}{2}$ ft high, $3\frac{1}{2}$ ft base, alongside.
- 41 45 Cross gulch, 4 lks. wide, course S. and ascend.
- 43 50 Top of spur, brs. N & S. and descend.
- 47 50 Cross deep ravine 4 lks. wide, course S. 30° W. and ascend.
- 53 50 Top of spur brs. N. 30° E. and S. 30° W. and descend.

73 00 Cross gulch 4 lks. wide, course S. 65° W. and ascend. 61-3
 75 00 Top of spur, brs. N & S. and descend.
 78 50 Cross ravine 10 lks. wide course S. and ascend.
 79 00 Top of spur, brs. N & S. and descend.
 79 50 Cross gulch 4 lks. wide, course S. 30 W. and ascend.
 80 00 Set a sandstone 26 x 12 x 4 ins. 19 ins. in the ground for cor. to
 secs. 5, 4, 32 & 33, marked with 2 notches on W. and 4 notches on
 E. edges; dug pits 18 x 18 x 12 ins. in each sec. 5½ ft dist. and
 raised an earth mound 2 ft high, 4½ ft base alongside.
 Land mountainous. Soil 3rd rate.
 Scattering oak timber and dense undergrowth of chaparral.
 Sept 24, 1895.

EAST on a TRUE line bet. secs. 4 and 33. Var. 14° 30' E.
 Ascend.

17 00 Top of spur brs NE & SW. and descend.
 27 00 Cross gulch 5 lks. wide course SW. and ascend.
 34 50 Top of ridge brs. N. 10° E. and S. 10° W. and descend.
 40 00 Set a sandstone 34 x 12 x 10 ins. 27 ins. in the ground for ¼ sec.
 cor. marked ¼ on N. face, from which bears.
 A Live Oak 24 ins. dia. S. 61½° E. 237 lks. dist. marked ¼ S
 B T.
 No other tree within limits; dug a pit 18 x 18 x 12 ins. E & W. of
 stone, 5½ ft dist. and raised an earth mound, 1½ ft high, 3½ ft base,
 alongside.
 44 60 Cross ravine 8 lks. wide course SW. and ascend.
 53 15 Top of ridge, brs. N & S. and descend.
 68 50 Enter cornfield, brs. N & S.
 70 00 Leave cornfield, Brs. N & S.
 74 25 Cross gulch 4 lks. wide course S. and ascend.
 74 50 Cross road, brs. N & S.
 80 00 Set a post 4 ft long 4 ins. sq. with marked stone 12 ins. in the
 ground for cor. to secs. 3, 4, 33 and 34, marked
 T 1 N S 34 on NE.
 R 17 W S 3 on SE.
 T 1 S S 4 on SW. and
 S 33 on NW. faces, with 3 notches on E. and W. edges, and
 raised a stone mound around post. Pits impracticable.
 Land mountainous. Soil 2nd & 3rd rate.
 Scattering oak timber and dense undergrowth of chaparral.
 Sept 25, 1895.

EAST on a TRUE line bet. secs. 3 and 34. Var. 14° 30' E.

Ascend.

50 Top of spur, brs. N & S. and descend.
 3 50 To foot of perpendicular bluff, to avoid which I offset S. 1.00 ch.
 thence E. 9.80 chs. thence N. 1.00 ch. to true line at
 13 30 from cor. to secs. 3, 4, 33 and 34, thence E.
 23 00 Top of spur, brs. NE & SW. and descend.
 25 70 Cross gulch, 10 lks. wide course S. 25° W. and ascend.
 34 50 Top of ridge, brs. NE & SW. and descend.
 40 00 Set a sandstone 30 x 18 x 12 ins. 22 ins. in the ground for ¼ sec.
 cor., marked ¼ on N. face and raised a stone mound alongside. *Pits impracticable*
 45 25 Cross gulch 4 lks. wide course S. 45° E. and ascend.
 50 10 Top of slope brs N & S. and descend.
 54 40 Cross same gulch 8 lks. wide course NE. and descend.
 68 00 Top of bluff brs N. 20° E. & S. 20° W. and descend.
 68 20 Cross head of gulch course S. 45° E. and ascend.
 71 00 Top of spur brs. N. 45° W. & S. 45° E. and descend.
 80 00 Set a post 4 ft long, 4 ins. sq. with marked stone 12 ins. in the
 ground, for cor. to secs. 2, 3, 34 & 35, marked
 T 1 N S 35 on NE.
 R 17 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 18 x 18 x 12 ins. in each sec. 5 $\frac{1}{2}$ ft dist. and raised an earth mound 2 ft high 4 $\frac{1}{2}$ ft base around post. Land rough, mountainous and broken. Soil 3rd rate. Scattering oak timber and dense undergrowth of chaparral. Sept. 26, 1895

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By A. C. Johnson

Compared 12-19-39 - W.F.K.

East on true line between Sections 2 and 35

Descend Var. 14° 30' E.

7.10 Cross low sag bears North and South and ascend
13.50 Top of rocky bluff bears North 65° West and South 65° East and descend
35.30 Cross Road bears North and South
35.56 Cross dry ravine 15 links West Course South and Ascend
40.00 Set a sandstone 23x12x10 ins., 7 ins. in the ground for 1/4 sec. cor., marked 1/4 on North face and raised a stone mound alongside.
Pits impracticable. Montgomery's house Bears South 45 $\frac{1}{2}$ ° West.
-12.00 chains dist.
About

50.00 Top of spur, bears North 25° East and South 25° West and descend
50.00 Set a sandstone 30x15x8 inches 22 inches in the ground for corner to Sections 1, 2, 35 and 36 marked with 1 notch on East and 5 notches on West edges and raised a stone mound alongside
Pits impracticable
Land Broken and mountainous
Scattering oak and sycamore timber and dense undergrowth of chaparral

Sept. 27, 1895

East on a true line between Sections 1 and 36

Descend Var. 14° 30' East

3.10 Cross Ravine 8 links wide, Course S45° West and ascend
2.00 Top of Ridge, bears North and South and descend
9.00 Cross Gulch 4 linkswide Co. S. and ascend
1.40 Top of spur bears North and South and descend
7.00 Cross gulch, 5 links W. Course South 20° West and ascend
8.00 Top of spur, bears North and South and descend
9.06 Cross gulch, 4 links wide, Course Southwest and ascend
6.00 Top of Spur, bears Northeast and Southwest and descend
0.00 Set a sandstone 26x20x8 inches, 19 inches in the ground for 1/4 Section corner marked 1/4 on North face and raised a stone mound alongside. Pits impracticable
1.70 Cross gulch, 3 links wide, Course South and ascend
3.00 Top of spur, bears North and South and descend
4.80 Cross Ravine, 6 links wide, Course South 60° West and ascend
3.00 Top of Ridge, bears North and South and descend
7.00 Cross Ravine, 8 links wide, Course S.E. and ascend
9.00 Top of Spur bears North and South and descend
11.50 Cross Ravine, 8 links wide, Course South and ascend
0.00 Set a post 4 $\frac{1}{2}$ ft. long, 4 inches sq. with marked stone, 12 inches in the ground for corner to Townships 1 N and 1 S., R 16 & 17 W marked

T 1 N. S 31 on N E

R 16 W S 6 on S E

T 1 S S1 on SW and

R 17 W. S 36 on N.W. faces with

6 notches on each edge, dug pits 24x18x12 inches lengthwise on each line North, South, East and West of post, 6 feet distant, and raised an earth mound 2 $\frac{1}{2}$ feet high, 5 foot bases, around post

Land rough and mountainous

Soil 3rd rate

Scattering oak timber and dense undergrowth of chaparral.

Sept. 28th, 1895

S 34 on NW. faces, with 2 notches on E, and 4 notches on W. edges; dug pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft dist. and raised an earth mound 2 ft high 4 1/2 ft base around post. Land, rough, mountainous and broken. Soil 3rd rate. Scattering oak timber and dense undergrowth of chaparral. Sept 26, 1895.

West Boundary, T 1 S, R 17 W., S. B. M.

From the cor. to Tps. 1 N. and 1 S., Rs. 17 and 18 W. on San Bernardino Base Line, previously rebuilt by me, I run

SOUTH on a TRUE line bet secs. 1 and 6. Var. 14° 30' E.

Domingo's house brs. S. 26° E. Descend.

- 5 25 Cross gulch 4 lks. wide course S. 45° W. and over valley brs. NE & SW.
- 14 00 Cross same gulch 12 lks. wide course SE. leave valley and ascend.
- 18 50 Domingo's house brs. S. 70° E.
- 19 00 Top of spur brs. NE & SW. and descend.
- 26 00 Cross creek 20 lks. wide course S. 5° W. and ascend.
- 40 00 To a point in a road, brs. N. 25° E. and S. 25° W. and sunk a sandstone 20 x 10 x 4 ins. 20 ins. in the ground, marked 1/4 on W. face. Thence I run

East 13 lks. and set a post 3 ft long, 3 ins. sq. with marked stone 12 ins. in the ground for witness cor. to 1/4 sec cor. marked W C 1/4 S on W. face; dug pits 18 x 18 x 12 ins. N. & S. of post, 5 1/2 ft dist. and raised an earth mound, 1 1/2 ft. high, 3 1/2 ft base around post. Thence I run West 13 lks. to true line.

- 40 20 Cross road brs. N. 8° E. and S. 8° W.
- 48 50 A school house, brs. W. 52 lks. dist.
- 59 85 Cross fence, Brs. E & W.
- 70 00 Top of spur brs. E & W. and descend.
- 77 00 A house brs. E. 184 lks. dist.
- 78 10 Cross road brs E & W. and along same.
- 80 00 Sunk a sandstone 20 x 12 x 12 ins. 20 ins. in the ground, in center of road, for cor. to secs. 1, 6, 7 and 12, marked with 1 notch on N. and 5 notches on S. edges; this being an impracticable point to further mark cor., I set a post 4 ft long, 4 ins. sq., 12 ins. in the ground 15 lks. due East of this point for Witness cor. to secs. 1, 6, 7 and 12 marked

- W C T 1 S S 6 on NE.
- R 17 W S 7 on SE.
- R 18 W S 12 on SW. and

S 1 on NW. faces, with 1 notch on N. and 5 notches on S. edges from which bears

A Willow 10 ins. dia. S. 4° 52' E. 144 lks dist. marked T 1 S R 17 W S 7 B T.

No other tree within limits; raised a stone mound around post. Pits impracticable. Land broken and rolling. Soil 2nd and 3rd rate. Scattering willow and sycamore and dense undergrowth of chaparral. Oct 22, 1895.

From the true point for cor. to secs. 1, 6, 7 and 12, I run

SOUTH on a TRUE line bet. secs. 7 and 12. Var. 14° 30' E.

rolling Descend along road through valley.

- 2 26 A well, brs. E. 26 lks. dist.
- 4 00 E. R. Stoke's house, brs. E. 62 lks. dist.
- 16 50 Leave road, brs. N. & SW. and continue to descend.
- 17 65 Cross creek, 25 lks. wide course S. 45° W. and over rolling valley.
- 39 84 Cross fence brs. E & W.
- 40 00 Set a sandstone 30 x 12 x 8 ins., 22 ins. in the ground for 1/4 sec.

cor., marked $\frac{1}{4}$ on W. face, from which bears
A white oak 32 ins. dia., N. $53\frac{1}{4}^{\circ}$ E. 147 lks. dist. marked
 $\frac{1}{4}$ S B T.
A white oak 30 ins. dia. S. $70\frac{1}{2}^{\circ}$ W. 163 lks. dist. marked
 $\frac{1}{4}$ S E T.

- 42 27 Cross road Bears E & W.
60 00 Enter dense brush, brs. E & W.
62 75 Cross gulch 6 lks. wide, course W., leave valley, bears NE & SW. and ascend.
64 50 Top of ridge beats E & W. and descend.
66 00 Cross gulch, 6 lks. wide, course W. and ascend.
68 00 Top of spur brs. N. 65° E. and W. and descend.
74 10 Cross trail brs. NW & SE.
80 00 Set a sandstone 24 x 8 x 6 ins. 18 ins in the ground, for cor. to secs. 7, 12, 13 and 18, marked with 2 notches on N. and 4 notches on S. edges, from which bears
A live oak 8 ins. dia. N. $62\frac{1}{4}^{\circ}$ E. 118 lks. dist. marked
T 1 S R 17 W S 7 B T.
A live oak 5 ins. dia. S. $22\frac{1}{2}^{\circ}$ E. 7 lks. dist. marked
T 1 S R 17 W S 18 B T.
A live oak 10 ins. dia. S. $60^{\circ} 20'$ W. 143 lks. dist. marked
T 1 S R 18 W S 13 B T.
No other tree within limits, raised a stone mound alongside corner stone. Pits impracticable.
Land for N. 60 chs. rolling valley, remainder rough and mountainous.
Soil 3rd rate. Scattering oak timber and dense undergrowth of Chaparral.
Oct 23, 1895.

SUBDIVISIONS, T 1 S., R 17 W., S. B. M.

NORTH between sections 14 and 15

Var. $14^{\circ} 15'$ E.

- 80 00 Set a sandstone 22 x 14 x 10 ins. 16 ins. in the ground for corner to sections 10, 11, 14 and 15, marked with 2 notches on E. and 4 notches on S. edges, and raised a stone mound alongside. Pits impracticable. Land mountainous. Soil 3rd rate. Scattering sycamore and oak timber and dense undergrowth of chaparral.

North between sections 10 and 11.

Var. $14^{\circ} 15'$ E.

- 80 00 Set a sandstone 22 x 12 x 8 ins. 16 ins. in the ground for cor to secs. 2, 3, 10 and 11, marked with 2 notches on E. and 5 notches on S. edges, and raised a stone mound alongside. Pits impracticable. Land, mountainous. Soil 3rd rate. Scattering oak timber and dense undergrowth of chaparral.

From the corner to sections 21, 22, 27 and 28, I run

NORTH between sections 21 and 22.

Var. $14^{\circ} 18'$ E.

- 80 00 Set a granite stone 30 x 16 x 8 ins. 22 ins. in the ground for corner to sections 15, 16, 21 and 22, marked with 3 notches on S. and E. edges, and raised a stone mound alongside. Land mountainous. Pits impracticable. Soil 3rd rate. Scattering oak timber and dense undergrowth of chaparral.

NORTH between sections 15 and 16.

Var. $14^{\circ} 15'$ E.

Ascend.

- .10 To foot of perpendicular bluff, impossible to chain, to avoid same, offset W. 150 lks. thence N. 1.90 chs. thence E. 150 lks. to true line, thence N. counting distance from cor, to sections 15, 16, 21 and 22.

- 6 50 Top of Sierra Madre de Santa Monica mountains bears E. & W. and descend.
9 92 Cross gulch 3 lks. wide course NW. and ascend.

11 50 Top of spur bears NW & SE. and descend.
 13 50 To foot of perpendicular bluff, impossible to chain, to avoid which
 I offset E. 2.50 chs, thence N. 3 50 chs. thence west 2 50 chs to
 line, thence N., counting distances from cor. to sections 15, 16,
 21 and 22.
 24 00 Cross gulch 5 lks. wide, course W. and ascend.
 25 50 To foot of perpendicular bluff, impossible to chain, to avoid which
 I offset W. 69 lks. thence N. 50 lks. thence E. 69 lks. to line,
 thence N., counting distance from corner to sections 15, 16, 21 & 22.
 Descend.
 28 50 Cross gulch 3 lks. wide, course N. 65° W. and ascend.
 31 00 Top of spur, bears E & W. and descend.
 37 00 Cross gulch 4 lks. wide, course NW. and ascend.
 40 00 Set a sandstone 30 x 20 x 12 ins. 22 ins. in the ground, for quarter
 section corner, marked $\frac{1}{4}$ on W. face, and raised a stone mound along-
 side. Pits impracticable.
 68 00 Top of spur brs NW & SE. and descend.
 71 50 Cross gulch 5 lks. wide, course NW. and ascend.
 72 50 Top of spur brs. NW & SE. and descend.
 78 00 Cross gulch 3 lks wide course N. 25° E. and ascend.
 80 00 Top of spur brs. NW & SE. and set a sandstone 24 x 16 x 12 ins. 12
 in. in the ground for corner to sections 9, 10, 15 and 16, marked
 with 4 notches on S. and 3 notches on E. edges, and raised a stone
 mound alongside. Pits impracticable.
 Land, mountainous. Soil 3rd rate.
 Scattering oak timber and dense undergrowth of chaparral.

 EAST on a RANDOM line between sections 10 and 15. Var. 14° 20' E.
 40 00 Set temporary $\frac{1}{4}$ sec. corner.
 79 80 Intersect N & S. line 20,lks. north of corner to sections 10, 11, 14
 and 15, thence I run
 N. 89° 50' W. on a TRUE line between sections 10 and 15.
 Var. 14° 15' E.
 Descend.
 2 54 Cross gulch 2 lks. wide, course SW. and ascend.
 18 00 Enter heavy timber brs. N & S. on top of low spur Brs N & S., descend.
 22 00 Cross ravine 6 lks. wide course N and ascend.
 24 00 Leave timber brs. N & S. on top of low spur, brs N & S. and descend.
 26 85 Cross gulch 4 lks. wide course N. and ascend.
 30 50 Top of spur brs N & S. and descend.
 32 00 Cross gulch 3 lks. wide course N. and ascend.
 33 75 Top of spur brs. N & S. and descend.
 39 90 Set a post 3 ft long, 3 ins. sq. with marked stone 12 ins. in the
 ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S on N. face and raised a mound of
 stone around post. Pits impracticable.
 41 50 Cross gulch 3 lks. wide course NW and ascend.
 43 00 Top of low spur brs. N & S. and descend.
 46 22 Cross gulch 5 lks. wide course NE. and ascend.
 47 35 Cross road bears NE & SW.
 50 00 Top of spur brs. N & S. and descend.
 54 00 Cross ravine 5 lks. wide course NE and ascend.
 59 00 Top of spur brs. NE & SW. and descend.
 60 90 Cross gulch 4 lks. wide course NE. and ascend.
 63 50 Top of spur brs. NE & SW. and descend.
 66 15 Cross ravine 3 lks. wide course NE. and ascend.
 68 30 Top of spur brs. NE & SW. and descend.
 72 62 Cross gulch 3 lks. wide course N. and ascend.
 74 50 Top of spur brs. NE & SW. and descend.
 75 93 Cross gulch 3 lks. wide course NE. and ascend.
 77 30 Top of low spur, brs. N & S. and descend.
 79 54 Cross gulch 4 lks. wide course N. and ascend.
 79 80 The cor. to secs. 9, 10, 15 and 16.
 Land mountainous. Soil 3rd rate:
 Heavy oak timber for 6 chs., remainder scattering oak timber and
 dense undergrowth of chaparral. November 11, 1895.

NORTH between sections 9 and 10.

Var. 14° 20' E.

61-7

Descend.

- 2 00 Enter gulch course N.
2 40 Leave gulch course N. 20° E. and ascend.
23 00 Stunt's house brs E & W. and descend.
30 00 Top of low spur brs. E & W. and descend.
37 00 Cross gulch 5 lks. wide course NW. and ascend.
39 80 Top of spur brs. E & W. and descend.
40 00 Set a post 3 ft long 3 ins. sq. 12 ins. in the ground for $\frac{1}{4}$ sec cor.
marked $\frac{1}{4}$ S on W. face from which brs
Sycamore 4 ins. dia. N. 8 $\frac{3}{4}$ ° W. 252 lks. dist. marked $\frac{1}{4}$ S B T.
No other tree within limits. Dug a pit 18 x 18 x 12 ins. S. of post
5 $\frac{1}{2}$ ft dist. and raised an earth mound 1 $\frac{1}{2}$ ft high 3 $\frac{1}{2}$ ft base around post
Mrs. Dining's house brs. S. 70° W. 5 chs. dist.
42 30 Cross road brs E & W.
43 00 Cross creek 15 lks. wide course W. and over bottom land.
43 50 Cross dry canyon 12 lks. wide course S. 15° W.
47 00 To S. bank of same canyon course SE.
48 50 To N. bank of same canyon course W. and along W. side of small orchard.
50 50 Mrs. M. Ellis' house brs. S. 77° E. 8 chs. dist.
61 00 Cross road brs. N. 25° W. and S. 25° E.
61 85 Cross same canyon 10 lks. wide course SE.
62 44 Cross same canyon 10 lks. wide course SW.
63 00 Enter cultivated land brs. N 20° W. and S. 20° E.
64 15 Cross same canyon 12 lks. wide course S. 55° E.
67 00 Leave cultivated land and bottom land brs E & W. and ascend.
80 00 Set a sandstone 26 x 12 x 10, ins. in the ground for cor, to secs.
3, 4, 9 and 10, marked with 5 notches on S. and 3 notches on E. edges
and raised a stone mound alongside. Pits impracticable.
Land, mountainous for 40 chs., level bottom land for 20 chs., remain-
der broken, Soil, 2nd and 3rd rate.
Scattering oak and sycamore timber and dense undergrowth of chaparral.

EAST on a RANDOM line between sections 3 and 10.

Var. 14° 48' E.

- 40 00 Set temp. $\frac{1}{4}$ sec corner.
80 32 Intersect N & S. line 16 lks. S. of corner to Secs. 2, 3, 10 & 11.
Thence I run
S. 89° 53' W. on a TRUE line between secs 3 and 10.

Var. 14° E.

Ascend.

- 1 00 Top of low spur brs. N & S. and descend.
2 32 Cross gulch 4 lks. wide course N. and ascend.
4 00 To foot of sandstone bluff ~~45~~⁶⁰ ft high, impossible to chain, to avoid
I offset N. 1.80 chs., thence S. 89° 53' W. 4.25 chs., thence S. 1.80
chs. to the true line, thence S. 89° 53' W. on true line counting
distance from corner to sections 2, 3, 10 and 11. Descend.
9 00 Cross gulch 3 lks. wide course N. 45° E. and ascend.
11 50 Top of spur brs. N & S. and descend.
14 40 Cross gulch 3 lks. wide course N. 15° W. and ascend.
25 50 Top of spur brs. N & S. and descend.
26 20 Cross gulch 5 lks wide course N. 45° E. and ascend.
40 16 Set a sandstone 24 x 12 x 10 ins. 18 ins. in the ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on N. face, and raised a stone mound alongside.
Pits impracticable.
Corner set on S. edge of a sandstone boulder 20 ft high.
40 50 Top of divide brs. N & S. and descend.
55 50 Cross gulch 3 lks. wide course SW. and ascend.
58 00 Top of spur brs N & S. and descend.
60 15 Cross gulch 6 lks. wide course S. 30° W. and ascend.
62 00 Top of spur brs. N & S. and descend.
69 00 Cross gulch 4 lks. wide course S. 20° W. and ascend.
80 32 The corner to sections 3, 4, 9 and 10.
Land, mountainous. Soil 3rd rate. Scattering oak and sycamore
timber and dense undergrowth of chaparral.

November 12, 1895.

NORTH on a RANDOM line between sections 3 and 4.

61-8

40 00 Set temp. $\frac{1}{4}$ sec. cor. Var. $14^{\circ} 48' E.$
79 93 Intersect San Bernardino Base line 39 lks. west of corner to secs.
3, 4, 33 and 34, on north boundary of township previously described.
Thence I run

S. $0^{\circ} 17' W.$ on a TRUE line between sections 3 and 4.

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

Ascend.

1 10 Top of low spur brs. E & W. and descend.
3 02 Cross gulch 6 lks. wide, course W. and ascend.
8 10 Dwyer's house brs. W. about 6 chs. dist.
28 50 Top of spur brs. NE & SW. and descend
39 10 Cross canyon 8 lks. wide, course SW. and ascend.
39 93 Set a sandstone 34 x 14 x 12 ins. 25 ins in the ground for $\frac{1}{4}$ sec cor.
marked $\frac{1}{4}$ on W. face, from which brs. a
Live oak 16 ins. dia. N. $34\frac{1}{2}^{\circ} E.$ 68 lks. dist. marked $\frac{1}{4}$ S B T.
No other tree within limits. Raised a stone mound alongside cor. stone
Pits impracticable.

43 00 Top of spur brs E & W. and descend.
46 25 Cross canyon 8 lks. wide course W. and ascend.
55 50 Top of ridge brs. E & W. and descend.
61 50 A Mexican's house brs. S. $41\frac{1}{2}^{\circ} W.$
68 50 Cross gulch 5 lks. wide course S. $50^{\circ} W.$ and ascend.
74 00 Top of spur brs. NE & SW.

A Mexican's house brs. N. $81^{\circ} W.$ Descend.

79 93 The corner to sections 3, 4, 9 and 10.

Land, mountainous.

Soil 3rd rate. No timber. Dense undergrowth of chaparral.

I carefully examined the adjustments of my solar compass today
particularly the latitude and reversing apparatus and found them
correct.

November 13, 1895.

EAST on a RANDOM line between sections 9 and 16.

40 00 Set temp. $\frac{1}{4}$ sec. cor. Var. $14^{\circ} 02' E.$
80 11 Intersect N & S. line 17 lks. north of corner to secs. 9, 10, 15 & 16.
Thence I run
N. $89^{\circ} 53' W.$ on a TRUE line between sections 9 and 16.

Var. $14^{\circ} 20' E.$

Ascend.

1 00 Top of spur brs. N & S. and descend.
3 80 Cross gulch 6 lks. wide course N. and ascend.
6 00 Top of spur brs. N & S. and descend.
10 70 Cross ravine 6 lks. wide course N. $25^{\circ} E.$ and ascend.
13 00 Top of spur brs. NE & SW. and descend.
16 00 Cross gulch 5 lks. wide course N and ascend.
20 00 Top of spur brs. NE & SW. and descend.
33 00 Cross gulch 3 lks. wide course N. and ascend.
38 50 Top of spur brs. N & S. and descend.
39 75 The true point for corner falling on N. slope of steep rocky spur,
not suitable place to mark, I set a sandstone 26 x 16 x 9 ins. at
this point 30 lks. S. $89^{\circ} 53' E.$ on the point for witness corner
to $\frac{1}{4}$ sec. cor. marked W S $\frac{1}{4}$ on N. face, and raised a stone mound
along side. Pits impracticable.

47 35 Cross ravine, 10 lks. wide course N. $25^{\circ} W.$ and ascend.

54 00 Top of spur brs. N & S. and descend.

71 23 Cross gulch 3 lks. wide course N. and ascend.

74 00 Top of spur brs. N & S. and descend.

78 80 Cross gulch 3 lks. wide course N. $25^{\circ} W.$ and ascend.

80 11 The cor. to secs. 8, 9, 16 and 17. Land, mountainous. Soil 3rd rate.
Timber of oak and dense undergrowth of chaparral.

November 16, 1895.

NORTH between sections 8 and 9.

Var. 14° 02' E.

Descend.

- 2 16 Cross gulch 4 lks. wide course N. 50° W. and ascend.
4 77 Top of spur brs. N. 70° W. & S. 70° E. and descend.
20 04 Cross canyon 50 lks. wide course S. 85° W. and ascend.
30 50 Top of ridge brs. N. 70° W. & S. 70° E.
Wernett's house brs. S. 73° 35' W. about 3 chs. distant. Descend.
34 50 Smith's house brs. N. 31° 44' E.
39 70 Cross head of gulch course N. 30° W. and ascend.
40 00 Set a post 3 ft long, 3 ins. sq. with marked stone 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S on W. face, dug pits 18 x 18 x 12 ins. N & S. of post, 5 $\frac{1}{2}$ ft. dist and raised an earth mound 1 $\frac{1}{2}$ ft high 3 $\frac{1}{2}$ ft base around post.
41 00 Top of spur brs. N. 20° W. and S. 20° E. and descend.
41 80 Cross road brs. NW & SE.
50 26 To foot of perpendicular bluff, impossible to chain, to avoid same I Offset E. 100 lks, thence N. 3.24 chs., thence W. 100 lks. to line, thence N. counting distances from corner to sections 8, 9, 16 & 17.
55 00 Enter dense chaparral brs. E & W.
57 20 Cross gulch 4 lks. wide course S. 45° W. and ascend.
64 00 Top of spur brs. NE & SW. and descend.
67 05 Cross head of gulch course W. and ascend.
76 50 Smith's house brs. S. 25 $\frac{1}{4}$ ° E.
78 25 The true point for corner to sections 4, 5, 8 and 9, falling on a slide, not a suitable place to mark at this point 175 lks. south of true point, I set a post 4 ft long, 4 ins. sq. with marked stone 12 ins. in the ground for witness corner to sections 4, 5, 8 and 9, marked W C T 1 S S 4 on NE.

R 17 W S 9 on SE.

S 8 on SW. and S 5 on NW. faces, with 4 notches on E. and 5 notches on W. edges, dug pits 18 x 18 x 12 ins. in each section 5 $\frac{1}{2}$ ft dist and raised an earth mound 2 ft high, 4 $\frac{1}{2}$ ft base around post.

Land, mountainous.

Soil 3rd rate.

Timber of oak and dense undergrowth of chaparral for N. 25 chs.

From the true point for corner to secs. 4, 5, 8 and 9, I run

EAST on a RANDOM line between secs 4 and 9.

Var. 14° 06' E.

- 40 00 Set temp. $\frac{1}{4}$ sec. corner.
80 21 Intersect N & S. line 13 lks. south of corner to secs. 3, 4, 9 & 10, Thence I run

S. 89° 54' W. on a TRUE line between sections 4 and 9.

Var. 14° 48' E.

Ascend.

- 5 00 Top of spur brs N & S. and descend.
7 00 Cross road brs. N & S.
8 50 Cross canyon 20 lks. wide course S. 25° E. and ascend.
25 50 Top of ridge brs. N & S. and descend.
30 00 Cross gulch 7 lks. wide course S. and ascend.
37 50 Top of ridge brs. N & S. and descend.
40 10 Set a sandstone 20 x 12 x 11 ins. 15 ins. in the ground for $\frac{1}{4}$ sec. corner, marked $\frac{1}{4}$ on N. face, and raised a stone mound alongside. Pits impracticable.
51 22 Cross gulch 10 lks. wide course S. 45° W. and ascend.
57 50 Top of spur brs. N & S. and descend.
62 50 Cross gulch 10 lks. wide course S. and ascend.
80 21 The true point for corner to sections 4, 5, 8 and 9.
Land, mountainous. Soil 3rd rate.
Timber of oak and dense undergrowth of chaparral.

Counting distances from true point for corner to sections 4, 5, 8 & 9,
I run

NORTH on a RANDOM line between sections 4 and 5. Var. 14° 06' E.

40 00 Set temp. $\frac{1}{4}$ sec. corner.
80 29 Intersect San Bernardino Base Line 23 lks. E. of corner to sections
4, 5, 32 and 33, on north boundary of township previously described.
Thence I run

S. 0° 10' E. on a TRUE line between sections 4 and 5. Var. 14° 30' E.

Ascend.

6 50 Top of ridge brs. E & W. and descend.
25 96 Cross canyon 10 lks. wide course W. and ascend.
40 29 Set a sandstone 16 x 12 x 4 ins. 11 ins. in the ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on W. face, and raised a mound of stone alongside.
Pits impracticable.
42 00 Top of ridge brs. N. 20° W. and S. 20° E. and descend.
45 85 Cross canyon 7 lks. wide course N. 45° W. and ascend.
60 25 Top of ridge brs. E & W. and descend.
63 25 Cross head of gulch course S. 45° E. and ascend.
67 50 Top of spur brs. N. 10° W. & S. 10° E. and descend.
80 29 The true point for corner to sections 4, 5, 8 and 9.
Land, mountainous. Soil 3rd rate.
Timber of oak and dense undergrowth of chaparral.

November 18, 1895.

NORTH between sections 7 and 8. Var. 14° 15' E.

Descend.

5 00 Cross head of gulch course W and ascend.
10 10 Top of ridge brs, NE & SW. and descend.
11 00 Warner's house bears N. 28° W.
20 25 Cross gulch 3 lks. wide course S. 70° W. and ascend.
24 00 Top of ridge brs. N. 45° W. & S. 25° E. and descend.
33 50 Cross gulch 10 lks. wide course W. and ascend.
40 00 Set a lava stone 24 x 12 x 10 ins. 18 ins. in the ground for $\frac{1}{4}$ section
corner marked $\frac{1}{4}$ on W. face, and raised a stone mound alongside.
Pits impracticable.
47 00 Top of ridge brs. N 85° W & S. 85° E.
Warner's house brs. S. 32° W. Descend.
58 00 Cross gulch 4 lks. wide course W. and ascend.
60 25 Top of spur brs E & W. and descend.
66 75 Enter valley brs. E & W.
71 40 Croaa ravine 4 lks. wide, course S. 85° W.
74 50 Leave valley brs. E & W. and ascend.
80 00 Set a post 4 ft long, 4 ins. sq. 12 ins. in the ground for corner to
sections 5, 6, 7 and 8, marked with 5 notches on S and E. edges and
marked T 1 S S 5 on NE.
R 17 W S 8 on SE.
S 7 on SW. and
S 6 on NW. faces, from which brs. a
Live oak 4 ins. dia. S. 74 $\frac{1}{2}$ ° E., 72 lks. dist. marked
T 1 S R 17 W S 8 B T.

No other tree within limits. Dug pits 18 x 18 x 12 ins. in each
section 5, 6 and 7, 5 $\frac{1}{2}$ ft dist and raised an earth mound 2 ft high
4 $\frac{1}{2}$ ft base around post.

A house brs. S. 46 $\frac{1}{2}$ ° E. 72 lks. dist.
Land, mountainous except about 8 chs. Rolling valley. Soil 3rd rate.
Timber of oak and dense undergrowth of chaparral.

EAST on a RANDOM line between secs 5 and 8. Var. 14° 15' E.

40 00 Set temp. $\frac{1}{4}$ sec corner.
78 50 To edge of perpendicular slide impossible to chain, to avoid which

I offset S. 175 lks., thence

EAST on a RANDOM line and at

80 17 Intersect N & S. line 16 lks. S. of witness corner to sections 4, 5, 8 and 9. Thence I run

S. 89° 53' W. on offset line between sections 5 and 8.

Var. 14° 06' E.

1 67 Offset N. 175 lks. to true line and continue S. 89° 53' W. with same variation. Descend.

10 60 Cross gulch 5 lks. wide course S. and ascend.

24 00 Top of ridge brs. NE & SW. and descend.

40 03 Set a sandstone 16 x 12 x 8 ins. 11 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face. Dug pits 18 x 18 x 12 ins. E & W. of stone, 5 $\frac{1}{2}$ ft dist and raised an earth mound 1 $\frac{1}{2}$ ft high, 3 $\frac{1}{2}$ ft base alongside.

41 48 Cross gulch 5 lks. wide course N. 45° W. and ascend.

43 00 Top of low spur brs. N & S. and descend.

46 00 Cross gulch 3 lks. wide course N. and ascend.

48 50 Top of spur brs. N & S. and descend.

60 38 Cross gulch 4 lks. wide course S. and ascend.

64 00 Top of spur brs. N & S. and descend.

67 85 Cross gulch 4 lks. wide course S. and ascend.

69 50 Top of spur brs. N & S. and descend.

71 52 Cross gulch 4 lks. wide course S. and ascend.

79 50 Top of spur brs. N & S. and descend.

80 17 The corner to sections 5, 6, 7 and 8.

Land, mountainous. Soil 3rd rate.

Timber of oak and dense undergrowth of chaparral.

November 25, 1895.

WEST on a RANDOM line between sections 6 and 7. Var. 14° 15' E.

40 00 Set temp. $\frac{1}{4}$ sec cor.

79 89 Intersect west boundary of township 16 lks. north of true point for corner to sections 1, 6, 7 and 12, which falls in the center of a road and is marked by a sandstone sunk in the ground and further by a post set firmly in the ground, 15 lks. due east of true corner, marked

W C T 1 S S 6 on NE.

R 17 W S 7 on SE.

R 18 W S 12 on SW. and

S 1 on NW. faces, with 1 notch on N. and 5 notches on S.

edges, and a stone mound in good order around post from which bears a

Willow 10 ins. dia. S. 4° 52' E. 144 lks. distant, marked T 1 S R 17 W W C S 7 B T. Thence I run, counting distances from true point for corner to sections 1, 6, 7 and 12,

N. 89° 53' E. on a true line between sections 6 and 7.

Var. 14° 30' E.

Descend over rolling valley.

.25 Cross fence brs. N & S. and enter corral.

1 85 A house brs. N. about 3 chs. distant.

2 12 Cross fence brs. NW & SE. leave corral and enter cultivated land, brs. N & S.

6 00 Leave cultivated land brs. N & S.

23 00 Cross road, brs. NE & SW.

30 40 Cross creek 30 lks. wide course SW.

31 00 Enter bed of creek, course SW. and along same.

35 00 Leave bed of creek coming from the NE. and enter grain field Brs N & S.

39 59 Set a post 3 ft long, 3 in. sq. 24 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S on N. face, from which bears a

White oak 42 ins. dia. S. 67 $\frac{1}{2}$ ° E. 191 lks. dist marked $\frac{1}{4}$ S B T

White oak 40 ins. dia. N. 16 $\frac{1}{2}$ ° W. 366 lks. dist. marked $\frac{1}{4}$ S B T.

47 60 Leave valley and grain field brs. N & S. and ascend.

60 08 Cross wire fence brs. N & S.
 62 50 Top of spur brs. N & S. and descend.
 75 70 Cross gulch 4 lks. wide course S. and ascend.
 79 89 The corner to sections 5, 6, 7 and 8.
 Land, for W. 47 chs. rolling valley.
 Remainder mountainous and broken. Soil 2nd and 3rd rate.
 Timber of oak and dense undergrowth of chaparral.

NORTH on a RANDOM line between sections 5 and 6.

Var. 14° 15' E.

40 00 Set temp. $\frac{1}{4}$ sec cor.
 79 88 Intersect north boundary of township 17 lks. west of corner to secs.
 5, 6, 31 and 32, previously described. Thence I run

S. 0° 07' W. on a TRUE line between sections 5 and 6.

Var. 14° 30' E.

Descend.

8 00 Cross gulch 3 lks. wide course S. 75° W. and ascend.
 9 50 Top of spur brs. E & W. and descend.
 11 60 Cross gulch 3 lks. wide course W. and ascend.
 15 00 Top of spur brs. E & W. and descend.
 23 61 Cross canyon 6 lks wide course S. 55° E. and descend.
 30 00 Top of spur brs. E & W. and descend.
 37 50 Enter cultivated land brs. E & W.
 39 88 Set a sandstone 26 x 14 x 8 ins. 19 ins. in the ground for $\frac{1}{4}$ section
 corner marked $\frac{1}{4}$ on W. face from which brs. a
 Live oak 15 ins. dia. S. 66 $\frac{1}{2}$ ° E. 19 lks. distant, marked $\frac{1}{4}$ S BT.
 Live oak 24 ins. dia. N. 77 $\frac{1}{2}$ ° W. 276 lks. dist. marked $\frac{1}{4}$ S BT
 Leave cultivated land bears E & W.
 40 75 Cross gulch 5 lks. wide course N. 80° W. and ascend.
 43 00 Cross road brs. E & W.
 51 00 Top of ridge brs. E & W. and descend.
 54 00 Cross canyon 15 lks. wide course W. and ascend.
 66 35 A house brs N. 36° 15' W. 2 chs. dist.
 72 25 Top of ridge brs. E & W. and descend.
 79 88 The corner to sections 5, 6, 7 and 8.
 Land, mountainous. Soil 3rd rate.
 Timber of oak and dense undergrowth of chaparral.

November 26, 1895.

Surveyed by M. F. Reilly, Deputy Surveyor.
 Contract dated November 20, 1885.