FIELD NOTES

OF

The Exterior lines of Township 24 S. Range 17-18-19 S. Rich, San Bernardino Meridian, California,

—BY—

George O. Collins, Deputy Surveyor,
Under his Contract of October 21, 1879.

Survey Commenced November 22, 1879—
Survey Completed December 15, 1879—

Filed, Sept. 21, 1880

Register
the unit of subdivision; it will be necessary to complete the survey of these sections, agricultural in character, within the forest reserve in T. 5 N., R. 19 W., S.B.M.

The above regulation is not construed to mean that the whole section must be agricultural in character, in order to include it in a survey, but agricultural land sufficient for a homestead entry should be located therein.

You will therefore be governed accordingly in the execution of the surveys within this township. Sec. 29, however, will be surveyed, as, on November 16, 1885, Homestead Entry Los Angeles 027866 was allowed upon the application of Melvin Phillips, by legal subdivisions.

Final proof and issuance of final certificate has been deferred, pending survey of said section 29.

The accompanying sketch indicates that a portion of the township has been surveyed. To quote from the letter of authorization:

"By letter "E" dated July 16, 1885, addressed to the local officers at Los Angeles, all entries and disposals of land were suspended in T.s. 4 & 5 N., R. 19 W., and T. 6 N., R. 20 W., S.B.M., on account of the undetermined character of the land and erroneous surveys."

By letter "E" dated November 13, 1886, all the land in these townships except those surveyed by George S. Collins DS., were relieved from suspension, but inasmuch as all of the surveys shown on the plat of T. 6 N., R. 19 W., were alleged to have been executed by Collins, it was directed that the original order of suspension relating thereto should remain in force until otherwise ordered. No further action with reference to T. 5 N., R. 19 W., seems to have since been taken. In the mean while the lands have been reserved for forest purposes."

This indicates that all of the subdivisional lines and the W. bdy. of T. 6 N., R. 19 W., are to be treated as unsurveyed.

In the event that the entire township is surveyed, you will proceed as follows:

1st Standard Parallel North.

Retrace the 1st Standard Parallel North from the Standard cor. of T. 6 N., R. 19 and 20 W., to the 1 sec. cor. on the S. bdy. of section 31, T. 6 N., R. 18 West. Renew or reestablish corners where necessary.
the unit of subdivision, it will be necessary to complete the survey of these sections, agriculture in character, within the forest reserve in T. 5 N., R. 19 W., S.B.M.

The above regulation is not construed to mean that the whole section must be agricultural in character, in order to include it in a survey, but agricultural land sufficient for a homestead entry, should be located therein.

You will therefore be governed accordingly in the execution of the surveys within this township. Sec. 29, however, will be surveyed as on November 15, 1915. Homestead Entry Los Angeles 027366 was allowed upon the application of Melvin Phillips, by legal subdivisions. Final proof and issuance of final certificate has been deferred, pending survey of said section 29.

The accompanying sketch indicates that a portion of the township has been surveyed. To quote from the letter of authorization:

"By letter "E" dated July 16, 1885, addressed to the local officers at Los Angeles, all entries and disposals of land were suspended in T. 4 & 5 N., R. 19 W., and T. 4 N., R. 20 W., S.B.M., on account of the undetermined character of the land and erroneous surveys."

By letter "F" dated November 13, 1886, all the land in these townships except those surveyed by George S. Collins BS., were relieved from suspension, but inasmuch as all of the surveys shown on the plat of T. 6 N., R. 19 W., were alleged to have been executed by Collins, it was directed that the original order of suspension relating thereto should remain in force until otherwise ordered. No further action with reference to T. 6 N., R. 19 W., seems to have since been taken. In the mean while the lands have been reserved for forest purposes."

This indicates that all of the subdvisional lines and the W. 1/2 of T. 6 N., R. 19 W., are to be treated as unsurveyed.

In the event that the entire township is surveyed, you will proceed as follows:

1st Standard Parallel North.

Retrace the 1st Standard Parallel North from the standard cor. of T. 6 N., R. 19 and 20 W., to the 1 sec. cor. on the 3. bdy. of section 31, T. 6 N., R. 19 West. Renew or reestablish corners where necessary.
From the con. to THS. 4 + 5° N., Res. 16
+17 W. Town
West, on a true line in S. Bdy. of Sec. 36
Sec. 16: 25° E.

Through San Francisco Rancho.

2.50 Card's road, near N. & S.
15.00 Enter du. Wall of Castlegate, course S.
15.00 Cherry tree, course S.
40.00 Set pit, 4 in. dia., 1 ft. in earth, 1 ft.
above earth mound, 4 ft. in dia. at base,
2 ft. in height, & dug pit, 24 x 18 x 12,
3 lbs. wt. +. 4%. sec. co.

from which bear a

Cottonwood, 14 in. dia. S. 34° W., 78 feet dlt.

40.12 Intercut N. W. Boundary of Rancho
San Francisco, and Set pit, 4 in. dia.,
1 ft. in earth, 1 ft. above earth mound,
4 ft. in dia. at base, 4 ft. 2 ft. in height,
and dug pits, 24 x 18 x 12, 6 lbr. diet,
at 4 angles, for con. to fractional sec.
1 and 36, from which con. I run along
North Bdy. of said Rancho (as it is
covered by one 3° 33', 45° E., 58.60 pch.
To an oak tree, marked S. F., No. 10.

52.25 Cross road, near N. & S.
51.75 Leave valley of Castlegate, bear N. E. +
4 ft., thence along N. side of Canada.
60.50 Leave Canada, bear N. W. + N. E. and
ascend.

80.50 The point for go. to sec. falline on
dep. side hill, a place not Built to build mound, I continue N. 15° E.
and set post, 4 in. dia., 1 ft. in earth, 1 ft. above earth mound, 4 1/4 ft. in dia. at base, 4 ft. 2 in. in height, and dug pits, 24 x 18 x 12, 8 lbr. dist. at 4
angles, for witness to ca. to Sect. 1, 2, 35 + 36.

Land, mountainous except in valley.
Soil, 1 st. + 2 "
Timber & undergrowth of Live Oak, Yucca, Cottonwood, Willow and Chaparral.

West, m. S. Boundary of Sec. 35

6 chs. East, 0.03" to a point, 40.00 chs. N. on summit of ridge, bear
ing S. 17° and S. 17°, and 2.00 chs. S. of a perpendicular bluff, where I set post, 4 in. dia., 1 ft. in earth, 1 ft. above earth mound, 4 ft. in dia. at
base, 6 ft. 2 in. in height, and dug pits, 24 x 18 x 12, 8 lbr. dist. for 1/4 sec. ca.
50.00 Set post, 3 in. sq., 1 ft. in earth, 1 ft. above stone mound, 3 1/4 ft. in dia. at base, 1 1/4 ft. in height, in sec. 6, lot 34, 34, 35.
Land, mountainous.
Soil, 2 1/2 rate.
Timber and undergrowth of Live Oak and Chaparral.

West, on South Boundary of Sec. 34
Var. 14°, 25', E.

Descend.

16.60 Cross Gulch, 10 ch. wide, course S. + ascend.

25.50 Top of Suna, bear S. + S. + descend.

40.00 The point, 45 ft. sec. en., falling in deep wash, a place not suitable to build mound, I continue N. 50 ch.
Descend.

40.60 Witness Post.

46.80 Top of Suna, bear S. + S., and descend.

57.00 Enter Cañada, bear S. + S.

55.60 Cross Wash, 50 ch. wide, course S.

57.00 Leave Cañada, bear S. + S. + ascend.

64.50 Top of ridge, bear S. + S. + descend.

70.00 Enter valley, bear S. + S.

71.50 Cross dry Wash, course S.

80.00 Set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, 3 1/4 ft. in dia. at base.
base, by 2 ft. in height. for ca. to sec. 3, 4, 33 + 34.

Land, mountainous except in valley.

Soil, 1 3/4 + 2 1/2 % rate.

Timber + undergrowth of Live Oak
and Chaparral.

Nov. 22d, 1879.

West, on S. Boundary of Sec. 33.
Per. 14° 25' E.

3.50 Leave valley, head N W. and S. E., + ascend.

15.00 Top of ridge, head N W. + S. E., and descend.

22.00 A Cañada, head N W. + S. E.

37.00 Cross dry Wash, 5 0.00 ch. wide, course S. E.

40.00 Set post, 4 in. dia, 1 ft. in earth, 11 ft. above
stone mound, 2 ft. in dia. at base, by
2 ft. in height, for 1/4 sec. ca. + ascend.

50.00 Set post, 4 in. dia, 1 ft. in earth, 1 ft.
avove stone mound, 4 1/2 ft. in dia.
at base, by 2 ft. in height, for ca.
to dec. 4, 5, 32 + 33.

Land mountainous, except in valley.

Soil, 1 3/4 + 2 1/2 % rate.

Timber + undergrowth of Live Oak
and Chaparral.

West, on S. Boundary of Sec. 32.
Per. 14° 25' E.

Descend.

2 1/2 ft. brook, head N. E.
4.00 Ascend.
22.50 Acanada, bear S. E. & N. W.
32.70 Enter gulch, thence up same.
40.00 The point of 3d sec. co., falling in gulch, a place not suitable to build mound. I proceed S. 160 chr. & set post 4 in. dia, 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for witness to 3d sec. co.
53.00 Leave gulch & ascend.
16.32 Summit of Spur, leave N. W. + S. E.
and descend.
80.00 The point for co. to Sec. 5, 6, 31 & 32, falling on steep side hill, a place not suitable to build mound, I return W. 2 49 chr. and set post 4 in sq., 1 ft. in earth, 1 ft. above stone mound, 4 1/2 ft. in dia. at base, by 2 ft. in height, for witness post to said corner.
Land, mountainous.
Silt, 2 ½ rate.
Timber and undergrowth of Live Oak and Chaparral.

West, on S. Boundary of Sec. 31.

Jan. 14, 25' E.

2.49 Witness post, on summit of Spur, bear N. E. + S. W. and descend.
15.75 Cross near head of gulch, 10 chr.
wide, course N. W. + ascend.
46.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft.
above stone mound, 1 ft. in dia. at base, by 2 ft. in height, for ¼ sec. ea.

50.70 Set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, 4 ft. ¾ ft. in dia. at base, by 2 ft. in height, for ca. ¾ TH.

40.40 Set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for ¾ sec. ea.

50.70 Summit of Sinal. Bear E. 4 TH. + descend.

65.33 Intersect: E. Body of Rancho Temescal (as surveyed by me) 62.20 ch. N. 41¼ E., from J. No 2 and set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, 4¼ ft. in dia. at base, by 2 ft. in height, for ca. ¼ fractional Secs. 31 and 36, from which bear e.

Live Oak, 18 in. dia., N 27½° E., 310 lbs. die.

64.20 Enter Cañada, San Felician, bear S. 6½° W., and N. E.
65.75' Cross dry bed of creek, 75 ft. wide, corner N. W.

71.50' Leave Cañada & ascend.

80.00' Set post 4 in sq., 1 ft. in earth, 1 ft. above earth mound, 4 1/2 ft. in dia. at base, by 2 ft. in height, and dug pit, 24 x 18 x 12, 8 lbs. dist., at 4 angles, fr. ea. secc. 39, 31, 25 + 36.

Land, mountainous except in valley.

Sal, 1 1/8 and 2 1/2 rate.

Timber & undergrowth of Live Oak and Chaparal.

Nov. 24th 1879.

North, on W. Boundary of Sec. 30.
Par. 14°, 25' E.

Over rolling hills.

40.00' Set post, 4 in. dia., 1 ft. in earth, 1 ft. above earth mound, 4 ft. in dia. at base, by 2 ft. in height, and dug pit, 24 x 18 x 12, 8 lbs. E., fr. 2/4 sec. ea. 39. 31. 25 + 36.

80.00' Set post 4 in sq., 1 ft. in earth, 1 ft. above earth mound, 4 1/2 ft. in dia. at base, by 2 ft. in height, and dug pit, 24 x 18 x 12, 8 lbs. dist., at 4 angles, fr. ea. 6 sec 24, 25, 19 + 30.

Land, rolling hills.

Sal, 1 1/8 rate.

Timber and undergrowth of Live Oak and Chaparal.

North, on W. Boundary of Sec. 49.
Ascend.
40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft. above earth mound, 4 ft. in dia. at base, by 2 ft. in height, and dug in pit; 2 x 12 x 12, & cts. E., fr. 1/4 sec. co.
75.00 Summit of ridge, Less A. E. & S. W.
Thence along on same.
80.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 1/2 ft. in dia. at base, by 2 ft. in height, fr. co. to sec. 19, 24, 25 + 30.
Land. Mountainous.
Soil. 2 1/2 rate.
Timber and undergrowth of Live Oak and Chaparral.

North, on N. Boundary of Sec. 15.
14. 14, 25 E.

Descend.
13. 20 Intersect N. Boundary of Rancho Temescal, 33. 71 chs. S. 53° 12' W. fr. 1 S. 8° 15' E. of said Rancho, as surveyed by me, and 1st post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 1/2 ft. in dia. at base, by 2 ft. in height, fr. co. to fractional sec. 13 and 18.
40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, fr. 1/4 sec. co.
51.50 Cross creek. 10 ft. wide. run N. W. and ascend.

52.11 Set post. 4 in. dia., 1 ft. in earth. 7 ft. above stone mound. 4 1/4 ft. in dia. at base. 1 ft. 2 in. in height. for ca. to sect. 1, 12, 13 and 18.

Land, mountain
Soil, 1 1/2 to 2 ft. rate.
Timber and undergrowth of Live Oak, Sycamore and Chaparral.

North, on W. Boundary of Sec. 7.
Var. 14° 25' E.

Ascend.

40.60 Set post. 4 in. dia., 1 ft. in earth. 14 ft. above stone mound. 4 ft. in dia. at base. 1 ft. 2 in. in height. for ca. to sect. 7, 8, 9.

46.50 Summit of ridge. Bear W. E. + S. W.
and descend.

52.00 Cross ravine, ca. S. W. + ascend.

80.20 On summit of ridge. Bearing E. + W.
Set stone. 14 x 10 x 4, in stone mound. 4 1/4 ft. in dia. at base. 1 ft. 2 in. in height.
for ca. to sect. 1, 6, 7 + 12.

Land, mountain
Soil. 2 1/2 ft. rate.
Timber and undergrowth of Live Oak + Chaparral.

North, on W. Boundary of Sec. 6.
Var. 14° 25' E.

50 Descend.
37.00  Cross arcline, course S. W. and ascend.
70.00  On summit of ridge, bearing N. E. and S. W., set post, 4 in. dia., 7 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, 6 ft. 12 in. and descend.
53.50  Cross creek, 15 ch. wide, courses S. W. and ascend.
104.62  Intersect 1st Standard Line N., to 1st E. of 31 and 32, and set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4½ ft. in dia. at base, by 2 ft. in height, for closing on to 3rd. 5th. Rs. 17 and 18 W.

Land, mountainous.

Soil, 2½ rate.

Timber and undergrowth of Live Oak, Sycamore and Chaparal.

Nov. 25th. 1879.
Resurvey of N. B. of Rancho S. T.

From en. No. 10 quartered by a live oak tree, in Cañada Castaño, S. w. 32° 43' W., cutting temp. post at all intersections of the line.

Jan. 14, 25' E.

2.50 Cross road, meas. N. W. & S. E.

12.30 A house, meas. N., about 150 lbs. dist.

18.50

25.40 Center wash of Castaño, meas. N. & S.

33.00 Over same, meas. N. & S.

62.47 Cross road, 0

64.60 Leave valley of Castaño, meas. N. & S. and descend.

82.30 Top of ridge, meas. E. & W. & descend.

102.47 Cross gulch, 20 lbs. wide, count. S. E.

137.00 Center Cañada, meas. N. W. & S. E.

170.50 Leave, " " " " Thence over hills & posts.

187.00 Center Cañada, meas. N. W. & S. E.

203.79 Cross wash, 50 lbs. wide, count. S. E.

204.10 A house, meas. N., almost 10 chs. dist.

208.50 A spring, meas. N. almost 8 chs. dist.

218.00 Leave Cañada, and ascend.

227.00 Top of Spur, meas. N. W. & S. E. and descend.

248.00 Cross head of small ravine, meas. E. and ascend.

252.00 Top of Divide, meas. N. & S. Thence over rolling hills.

352.18 To a point, from which a post, marked S. E. 11, meas. N. 62° 17' W., 6.38 chs. dist.
which would make the true bearing, S. 33° 45' E., instead of N. 32° 45' E., as reported.

Nov. 26th, 1879.

As all traces of S. E. Co. of Rancho Temescal have disappeared, I find it necessary to re-survey from No. 11 of the final survey of the Rancho San Francisco, from Co. No. 7, to Co. No. 12.

I run the course S. 86° 49' W.

Jan. 14°, 25' E.

20.00 Enter mouth of Canada San Martin.
30.00 Cross Wash, 50 ft. wide, course S.
30.50 road, bears N. & S.
33.50 Leave Canada, bears N. and S. & ascend.
77.00 Descend.
79.70 Enter Canada, bears N. & S.
82.80 Cross Wash, 100 ft. wide, course S.
86.00 Leave Canada, bears N. & S. and ascend.
113.50 Summit of high ridge, bears N.W. and S. E.
134.00 Top of ridge, bears N. & S. and descend.
147.00 Cross deep gulch, 25 ft. wide, course S. and ascend.
160.50 Top of ridge, bears N. & S. and descend.
517.12 Finding no trace of S. No. 7, I set temp. post and continue.
Entry valley of Creek, bears N. & S.
639.50 Intersect 6. 730, S. 3° 11' E. of co. N.
12th of final survey of said Rancho, being
in center of Adobe Creek.

To retrace the line, I find the true
bearing to be N. 86° 1' E., 627.52 chs.,
instead of N. 86° 49' W., 627.53 ' as
reported in the final survey of said
Rancho.

From the cn. No. 12 of San Francisco
Rancho, I run on corrected course, N.
86° 1' E., 110.31 chs. and
Set post 9 in. sq., 1 ft. in earth, 1 ft.
above stone mound, 3 ft. 4 1/2 ft. in diam.
at base, 2 ft. in height, from cn. No. 4
of Rancho Temescal.

Nov. 27 1/2, 28 1/2, 1879.

East Boundary Rancho Temescal.

From cn. No. 4, I run N. 34 1/4° E.
Jan. 17, 25.1° E.

Over hill. Shoot.
150 50 Cross gulch, 100 lds wide, course N. W.
341 50 near head.
343 50 25 lds wide.
35-4-75 To a point, where T. No. 3, on top of ridge,
becling N. W. 4 S. E. bears S. 55° 37° E.,
6.17 chs. distant, which would make my
corrected course from T. No. 4 to T. No. 3,
N. 35° 4° E., 354.78 chs., instead of N.
34° 37° E., 358.47 chs., as called for in
final survey of said Rancho.
West Boundary Rancho Temescal.

Nov. 29th, 1877.

From cor. No. 5, I run
N. 15 1/4 E. along W. side of Deer Creek.
Tan. 14° 25' E.

Ascend.

10.00 Summit of Ridge, head S. 11° 4 S. E.
Then, over high Arden ridge.

382.09 To a point, where S. No. 6, W. No. 6
of said Rancho, head S. 74 1/4° E., 6.65
chr. dist., which would make my con-
necting course from S. No. 5 to S. No. 6,
head N. 14° 34' E., 382.09 chr., instead of
N. 15 1/4° E., 385.52 chr., as called for
in final survey of said Rancho Temescal.

Dec. 1st, 1877.

W. R. T. 4 N., R. 17 W., S. B..<br>

This Th. being fractional, I run it S. 1<br>From the corner to Sp. 4 and 5 N. P.
17 and 18 West, I run
South, on a true line bet. Sec. 1 and 6.
Tan. 14° 25' E.

Ascend.

3.80 Top of Pine, head E. 4 W. and descend.
37.00 Cross gulch, 10 chrs. wide, course N. and
ascend.

40.00 Set post 4 in. dia., 1 ft. in earth, 1 ft.
above stone mound, 4 ft. in dia. at base,
2 ft. in height, In 1/4 sec. ea.

13.00 Burial of sugar, head E. and W.
64.00 To edge of perpendicular Bluff.
Not being able to continue on the line,
I set post, 4 in. dia., 1 ft. in earth, 1 ft.
above stone mound, 4 1/2 ft. in dia. at
base, by 2 ft. in height, for witness b-
omen to Secs. 6, 7, 11 and 12.
I have now an offset line E. 5 Chs.,
then S. 16. 60 Chs. to a point along E.
side of Wash Bluff, Then W. 5. 70 Chs.
to a point, from which my witness pole-
less baffle.

80.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft.
above earth mound, 4 1/2 ft. in dia. at-
bases, by 2 ft. in height, and dug pits,
24 X 18 X 12, 8 lbs. ditto., at 4 angles, for
en. to Secs. 6, 7, 11 and 12.
Land, mountainous.
Pal. 2 1/2 feet.
Timber and undergrowth of Live Oak
and Chaparral.
South, on a true line bet. Secs. 7 & 12.
Sec. 14° 25' E.

Descend.
34.50 A Spring, Lears N. about 50 lbr. ditto.
37.00 House of Del Valle, Lears N.
about 1. 50 Chs.
40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft.
above earth mound, 5 ft. in dia. at base,
by 2 ft. in height, and dug pits, 24 X
18, 8 lbs. E., 15 ft. sec. en. - nipple of
sharp cock of Del Valle.
44.50 Cross path, 25 ft. wide, course W. + ascend.

50.00 Pole post, 4 in. sq., 1 ft. in earth, 1 ft. above earth mound, 4 1/2 ft. in dia. at base, by 2 ft. in height, and dug pit, 24 x 18 x 12, 8 lbs. dist., at 4 angles, from cor. to sect. 12, 13, 17 + 18.

Land, mountainous.

Soil, 2 1/2 rate.

Timber & undergrowth of Live Oak and Chapinal.

South, sec. sect. 13 and 18.

Var. 14°, 25° E.

Ascend.

20.00 Summit of spur, locate W. N. + S. E.

29.92 Top of spur, locate E. + W. + descend.

40.00 Pole post, 4 in. dia., 1 ft. in earth, 1 ft. above earth mound, 4 ft. in dia. at base, by 2 ft. in height, and dug pit, 24 x 18 x 12, 8 lbs. E., from 4 sec. cor.

44.50 Cross near head of gulch, course E.

62.75 " " " " N. E.

and ascend.

79.00 Summit of spur, locate E. and W. + descend.

80.00 Pole post, 4 in. sq., 1 ft. in earth, 1 ft. above earth mound, 4 1/2 ft. in dia. at base, by 2 ft. in height, and dug pit, 24 x 18 x 12, 8 lbs. dist., at 4 angles, from cor. to sect. 13, 24, 18 + 19.

Land, mountainous.
Soil, 2½ rate.
Timber and undergrowth of Live Oak, and Chaparal.

Dec. 23, 1877.


22 73 Intersect—The Southern Boundary of Rancho San Francisco, as resurveyed by me, 271.71 Chs. S. 86 1/2° W., of on A. 11 of the final survey of said rancho.
Land, mountainous.
Soil, 2½ rate.
Timber and undergrowth of Live Oak, and Chaparal.

West, on S. Boundary of Sec. 36.

Feb. 14, 25° E.

31 47 At the point for ¼ sec. ea. will fall on steep side hill, a place not suitable to build mound. There set post, 4 in.
dia., 1 ft. in earth, 1 ft. above stone ground, 4 ft. in dia. at base, by 2 ft. in height, for witness to ¼ sec. ea.

40.80 Point for ¼ sec. ea.

50 72 Intersect—E. Boundary of Rancho Temescal, as resurveyed by me, 13.35
Chs, S. 33 1/2° W. of ea. No. 3 of said ranchos.
4 ft. post, 4 in. dia., 1 ft. in earth, 1 ft. above earth ground, 4½ ft. in dia. at base, by 2 ft. in height, and dug ½ ft.
24'x18'x12', 8-ch. dist., at 4' angles, from to fractional sec. 1 and 36.
80.00
Set post, 4 in. sq., 1 ft. in earth, 1 ft. above earth, mound, 5 1/2 ft. in dia. at base, by 1 ft. in height, and dug pit, 24'x18'x12', 8-ch. dist., at 4' angles, from to sec. 1, 2, 35 & 36.

Land. Monumented.
Soil, 2 1/2 rate.
Timber and undergrowth of live Oak and Chaparral.

West, m. S. Boundary of Sec. 35.
Jan. 14°, 25° E.

Descent.
40.00
Set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for 7/8 sec. ea.
At this point, the line passes overheads of Cañadas and Indian games, impossible to run, I therefore run North, 15.75 chs. to E. side of Cañada, then run West on offset line through Sec. 35.

2.00
Enter Cañada, Sears A. C. & S. P. R.
3.25
Cross wash, 10 chs. wide, course N. W.
6.00
Enter wash, and draw same.
35.75
Sears A. W. & S. P. R.
40.00
Not being able to run South, to establish Sec. ea., I set Post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, 4'x1'x1' in dia. at base, by 2 ft. in height.
for witness to ca. to secs. 2, 3, 34-35.
being 15.75 ch. North,
from which begins.
Live Oak, 3/3 in. dia., 37° E., 35 bd. dist.
Land mostly in Canada.
Sal., 1% rate.
Timber & undergrowth of Live Oak,
Bottlewood and Chaparral.

Offset to S. Boundary, T. 5 N., R. 18 W.,
San Bernardino M.

West, on offset line through Sec. 34.

Sec 14° 25', E.

From Canada:
15.70 To bank of Peru Bottom.
20.00 To point in Creek Bottom. I here offset back South, 15.75 ch. to S.
Boundary of Sec., at foot of high
mountain, on E. side of Peru valley.
bears N. and S. then, crossing valley,
proceed N. on S. boundary of Sec. 34.

23.00 Counting distance from line comes
to secs. 2, 3, 34 to 35; 35;
Cross road, bears N. E. and S. W.

35.80

37.50 At the 1/4 sec ca. will fall in center
of Creek, a place not suitable to build
mound, I have set post, 4 in. dia.,
1 ft. in earth, 1 ft. above stone mound,
4 ft. in dia. at base, 2 ft. in height.
for witness to 1/4 sec ca.
| 37.75 | Cottonwood, 18 in. dia., S. 1° E. 266 lbs. tree. |
| 37.50 | Indian Wash of Big Creek. |
| 30.00 | To water, 100 ft. wide, course S. |
| 10.00 | Point for ½ sec. co. |
| 55.00 | N valley, bears N. 10° S. and ascend. |
| 80.00 | Set post, 4 in. 2½, 1 ft. in earth, 1 ft. above stone mound, 4½ ft. in dia. at base, by 2 ft. in height, for sec. 10, 3, 33 + 34. |

Land, rolling valleys—mountains elsewhere.

Soil, 1½ + 2° rate.

Timber & undergrowth of Live Oak, Cottonwood, Pecan, Willow and Chaparral.

West, on S. boundary of sec. 33.

9:15 Sec. 19° 25° E.

N descent.

34.00 | Summit of ridge, bears N. E. + S. W. |

Thence along N. slope of same.

34.00 | Intersect N. boundary of Rancho Temescal, S. 33° 80° E. 31° 14° 17° from T. N. 6, ca. No. 6 of said Rancho as surveyed by one, and set post, 4 in. 2½, 1 ft. in earth, 1 ft. above stone mound, 4½ ft. in dia. at base, by 2 ft. in height on side hill allying N. E. for corners 6 fractional secs. 4 and 33.

36.00 | Summit of same ridge, bears N. W. + S. E. and descend. |
| 60.00 | Set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, to 1 ¼ sec. co. |
| 50.50 | Cuts creek, 10 ft. wide, in deep ravine, coarse S. C. and ascends. |
| 80.00 | Set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ½ ft. in dia. at base, by 2 ft. in height, for co. to secs. 4, 5, 31 + 32. |

Land, mountainous.
Salt, ½ mile.
Timber and undergrowth of live Oak, Cottonwood and Chaparral.

Dec. 7th, 1877.

West, on S. Boundary of Sec. 32.
Sec. 19, 25° E.

Descend.

32.10 | Cross ravine, coarse, N. C. and ascend.
40.50 | Set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for ½ sec. co.
80.10 | The point for co. to secs. falling on steep side hill, a place not suitable to build mounds, I continue West 37 lbs. and on summit of high ridge, bearing N. 45 S,
Set post, 4 in. dia., 1 ft. in earth. 1 ft. above stone mound, 4 ½ ft. in dia. at base, by 2 ft. in height, for entrance to co. to secs. 6, 31 + 32.

Land, mountainous.
Salt, 2 ¼ miles.
S. B. J 6 N, R. 18 W, S. B. M.

Timber & undergrowth of Live Oak & Chaparral.

West, on S. Boundary of Sec. 31.
Tab. 17° 25' E.

.37 Witness post and descend.
S. 60 Cross head of ravine, course N. and ascend.
10.50 Summit of ridge, bear N. W. and S. E. and descend.
40.00 Set post: 4 in. dia., 1 ft. in earth, 1 ft. above stone mound. 4 ft. in dia. at base. 4 ft. in height. In 34 sec. on.
54.00 Crash near head of ravine, course S. and ascend.
68.50 Summit of ridge, bear S. E. and S. W. and descend.
80.00 Set temp. en. to sec. 1, 6, 31 x 36.

Land, mountains,
Soil, 2 % rate.
Timber & undergrowth of Live Oak and Chaparral.

North, on W. Boundary of sec. 30.
Tab. 17° 25' E.

As all traces of en. to sec. 19 and 30, on W. Boundary of 36, have disappeared,
in order to re-establish same, I begin
at the en. to sec. 25, 30, 314 36 here.
North, on W. Boundary of sec. 30.
Tab. 17° 25' E.

40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft.
W. B. T. & N., R. 18 W., S. B. M.

Large stone mound, 4 ft. in dia. at base, 1/4 ft. in height, fr. 1/4 sec. co.
63 ft. S. W. of house of Manuel Rodriguez.

43.40
Caws road, bear E. & W.

52.50
House of P. Dominguez, 1/20 ch. E.

80.00
Set stone, 36 x 12 x 12, in earth, mound, 4 1/2 ft. in dia. at base, 1/4 ft. in height, and dug pits, 24 x 18 x 12, 8 lbr. dist., at angles, fr. co. to Dec. 17, 24, 25, 30.

Land, rolling valley, mountainous elsewhere.

Soil, 1 1/2 and 2 1/2 rate.

Timber & undergrowth of Live Oak and Chaparral.

Dec. 6th, 1879.

North, m. 14, boundary of Dec. 17.

9 1/4, 25, 25, 25 E.

Descend.

10.00
Santa Clara Valley, bear E. and W.

and ascend.

30.00
Summit of hill, bear N. W. & S. E.

and descend.

40.00
Set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, 1/4 ft. in height, fr. 1/4 sec. co.
in low bag and ascend.

69.50
Summit of ridge, bear N. E. & S. W.

and descend.

60.00
Set post, 4 in. dia., 1 ft. in earth, 1 ft. on stone mound, 4 1/2 ft. in dia. at base, 1/4 ft. in height, fr. co. to Dec. 13, 1879.
Land, mountainous.
Soil, 2% rate.
Timber and undergrowth, live Oak and Chaparral.

North, on N. boundary of Sec. 18.

Lat. 14° 25' E.

Descend.

(26.50) Cross ravine, course S. W. 4/8 and ascend.

40.00 The point for 5/8 sec. en., falling on steep side hill, a place not suitable to build mound, I continue N. 7.50 ch.

and set post, 4 in. dia., 1 ft. in earth,

1 ft. above stone mound, 4 ft. in dia.,

at base, by 2 ft. in height, for witness to 16 sec. en.

47.50 Witness post.

50.50 Summit of ridge, bears N. W. and S. N. and descends.

64.00 Cross head of small ravine, course E. 3/8 and ascend.

70.00 Summit of ridge, bears E. and W. and descend.

77.00 Cross near head of ravine, course E. 4/8 and ascend.

80.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft.

above earth mound, 4 ft. in dia.,

by 2 ft. in height, and dug pits, 24 x

18 x 12, 8 lbs. dist., at 4 angles, for en.

to decs. 7, 12, 13, 18.

Land, mountainous.
Soil, 2% rate.
Timber & undergrowth of Live Oak & Chaparral.

North, on W. Boundary of Sec. 7.
Dec. 6th 1879.

Ascend.
3.00 Summit of ridge, bears N. E. & S. W. & descend.
30.50 Cross ravine, course W. and ascend.
40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for 1/4 sec. ea.
60.10 Summit of ridge, bears N. E. and S. W.
and descend.
72.50 Cross ravine, course S. W. and ascend.
80.50 Set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 1/2 ft. in dia. at base, by 2 ft. in height, for 1/4 sec. ea.
1, 6, 9 & 12.
Land, mountainous.
Soil, 2% rate.
Timber & undergrowth of Live Oak & Chaparral.

Ascend.
13.50 Summit of ridge, bear N. E. & S. W. & descend.
34.50 Cross ravine, course S. W. & ascend.
40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft. abo
stone mound, 4 ft. in dia., at base, 4 ft., in height, for ¾ sec. e.

Summit of ridge, bears S. E. + S. W.
and descend.

95.80
Intersect. N. Boundary of Tr., 1.21
ch. E. 1st post, from Tr. no. 6 Trs.
4 + 5 Trs., R. 18 + 19 W., in running S.
boundary of T. 5 N., R. 18 W., and 6th
post, 4 in. by, 1 ft., in earth, 1 ft. above
stone mound, 4½ ft. in dia. at base,
by 2 ft., in height, for ¾ to Trs. 4 + 5
N., R. 18 + 19 W., making the length
of the S. boundary of sec. 31, T. 6 N.,
R. 18 W., 72.79 chs.

Land, mountainous.
Soil, 2½ rate.

Timber 4 undergrowth of Live Oak
+ Chaparral.

North, on W. Boundary of sec. 31, on N. side.
T. 5 N., R. 18 W.
Tan. 24° 25' E.

Ascend.

21.50
Summit of ridge, bears S. E. + S. W.
and descend.

40.00
Set post, 4 in. dia., 1 ft., in earth, 1 ft.
above stone mound, 4 ft. in dia. at
base, by 2 ft., in height, for ¾ sec. e.

80.00
Set stone, 16 x 12 x 6, in stone mound,
4½ ft. in dia., at base, by 2 ft., in height,
for sec. to sec. 15, 30, 31 + 36.

Land, mountainous.
Soil, 2½ rate.
Timber and undergrowth of Live Oak and Chaparrel.

North, on W. Boundary of Sec. 30.
Tan. 14° 25' E.

Ascend.

24.00
Summit of ridge, bear S. E. + S. W. and descend.

40.00
Set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, 3 ft. in height, 3 ft. in sec. 24, 25 and 30.

50.00
Summit of same ridge, bear S. W. and descend.

57.00
Cross head of ravine, come S. E. and ascend.

63.00
Summit of ridge, bear W. + W. and descend.

80.00
Set stone, 18 x 14 x 10, in stone mound, 4 1/4 ft. in dia. at base, 3 ft. in height, 3 ft. in sec. 24, 25 and 30.

Land, mountainous.

Soil, 2% rate.

Timber and undergrowth of Live Oak and Chaparrel.

North, on W. Boundary of Sec. 19.
Tan. 14° 25' E.

Ascend.

40.00
On summit of high ridge, bear S. E. and S. W., set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, 3 ft. in height, 3 ft. in sec. 24, 25 and 30.
and descend.

80.00 Set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, 4 1/2 ft. in dia. at base, by 2 ft. in height, fn on. to sec. 13, 18, 19 + 27.

Land, mountains.

Soil, 2 1/2 rate.

Timber & undergrowth. of Live Oak & Chaparral.

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North, in W. Boundary of Sec. 18.

Feb. 14th, 25 C.

Ascend.

20.00 Summit of ridge, bear N. W. + S. E.

22.00 Descend from same.

40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, fn on 4 sec. en.

58.00 Cross deep ravine, sand N. E. & ascend.

80.00 Set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, 4 1/2 ft. in dia. at base, by 2 ft. in height, fn on. to sec. 7, 12, 13 + 18.

Land, mountains.

Soil, 2 1/2 rate.

Timber & undergrowth. of Live Oak & Chaparral.

Dec. 8th 1872.

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North, in W. Boundary of Sec. 1.

Feb. 14th, 25 C.

Ascend.
40.00  Set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for ¼ sec. en.
80.00  Set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, 4½ ft. in dia. at base, by 2 ft. in height, for en. to secs. 1, 6, 7 & 12.
Land, mountainous.
Soil, 2½ rate.
Timber and undergrowth of Live Oak and Chaparral.

North, on W. Boundary of Sec. 6.
Jan. 14° 25' E.

Ascend.
23.50  Top of ridge, bears N. 6° 14' W. 4 desc.
40.00  Set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for ¼ sec. en.
78.50  Best creek, 10 lb. wide, course S. & E. 4 asc.
104.78  Intersect - 1st Standard line S. 8° 25' E.
     of en. to secs. 31 & 32 and set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, 4½ ft. in dia. at base, by 2 ft. in height, for closing en. to hrs. 5 N. 18° 19' W., S. B. Th.
Land, Mountainous.
Soil, 2½ rate.
Timber & undergrowth of Live Oak, Pecan, Willow & Chaparral.

Dec. 3rd 1877.
W. Bdy. of Rancho Temescal.

From ca. No. 6, Run North, 52°, 15' East.

129., 14°, 26' E.

Descend.

62.60
Cross Pine Creek, 1.50 chs. wide.
Then, over broken hills.

166.60
Top of ridge, bears S. 17° 48' E.

265.45
A. S. and descend.

336.98
To a point, where S. No. 1, ca. No. 7 of said rancho, bears S. 37° 38' E., 3.78 chs.
dist., which would make my corrected course from.

S. No. 6 to S. No. 7 bear
S. 53° 12' E., 3.46.98 chs., instead of
S. 52° 15' E., 338.35 as called for
in final survey of Rancho Temescal.

Dec. 10th 1879.

Resume, Rancho Temescal in T. 5th.
R. 17 W., S. B. M.

From ca. No. 7 of the final survey of
Rancho Temescal, corner No. 1 to run.

Sight and bear S. 35 1/4° E., 185.78 chs. distant.

From corner No. 1, corner No. 2 is in
sight and bear S. 33 1/2° E., 175.11
chs. distant.

From corner No. 2, corner No. 3 is in
sight, and bear S. 44 1/4° W., 394.20
chs. distant.
From the cn. to Ths. 1 1/2 S., R. 18 E., 19 th., I am
West, on a true line bet. secs. 12 & 36.
Var. 14°, 25' E.

Descend.

16.50 Cross Creek, 50 ft. wide, coarse S. E. &
ascend.

40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft.
above stone mound, 4 ft. in dia. at-
base, by 2 ft. in height, for 1/4 sec. ea.

60.00 Set post, 4 in. sq., 1 ft. in earth, 1 ft.
above stone mound, 4 1/2 ft. in dia. at-
base, by 2 ft. in height, for en. to secs.
1, 2, 35 & 36.

Land, mountainous.

Soil, 2 ft. rule.

Timber & undergrowth of Live Oak,
Pecan, and Chaparral.

West, on true line bet. secs. 2 & 35.
Var. 14°, 25' E.

Ascend.

40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft.
above stone mound, 4 ft. in dia. at-
base, by 2 ft. in height, for 1/4 sec. ea.

5:51 Top of ridge, bear N. W. & S. E. and
descend.

60.00 Set post, 4 in. sq., 1 ft. in earth, 1 ft.
above stone mound, 4 1/2 ft. in dia.
at base, by 2 ft. in height, for en. to-
secs. 2, 3, 35 & 35.

Land, mountainous.
Soil, 2½ rate.
Timber and undergrowth of Live Oak and Chaparral.

Next, on a true line set, Dec. 3 and 3¾.
Fev. 14°, 25° E.

Descend.

40.60 Sot post, 4 in. dia., 1 ft. in earth, 1 ft.
above stone mound, 4 ft. in dia. at base, by 2 ft., in height, fn ¼ sec. en.

47.60 Cross near head of ravine, 10 lbs. wide, course S. E. and ascend.

50.10 Set post, 4 in. sq., 1 ft. in earth, 1 ft.
above stone mound, 4½ ft. in dia.
at base, by 2 ft., in height, fn on. 5
Dec. 3, 4, 33 and 3½.

Land, mountainous.
Soil, 2½ rate.
Timber & undergrowth of Live Oak and Chaparral. Dec. 11th 1879.

Next, on a true line set, Dec. 4 and 3¾.
Fev. 14°, 25° E.

Descend.

13.00 Cross ravine, 15 lbs. wide, course S. W. and ascend.

26.50 Top of Spur, bench S. W. and S. E. and descend.

40.55 Set post, 4 in. dia., 1 ft. in earth, 1 ft.
above stone mound, 4 ft. in dia. at base, by 2 ft., in height, fn ¼ sec. en.
\[ \text{58.00} \quad \text{Cuts near head of ravine, 10 ft. wide, course S. E., and ascend.} \]

\[ \text{80.00} \quad \text{Set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for sec. to sec. 4, 5, 32 + 33.} \]

Land, mountainous.

Sail, 1 1/4 + 2 1/2 rate.

Timber and undergrowth of Live Oak and Chaparral.

West, on a true line bet. sec. 5 + 31.

Var. 14°, 25° E.

\[ \text{16.50} \quad \text{Top of high ridge, head N. + S. Descend.} \]

\[ \text{40.00} \quad \text{Set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for sec. to sec. + ascend.} \]

\[ \text{46.50} \quad \text{To edge of brush - still + descend.} \]

\[ \text{80.00} \quad \text{Set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for sec. to sec. 5, 6, 31 + 32.} \]

Land, mountainous.

Sail, 1 1/4 + 2 1/2 rate.

Timber + undergrowth of Live Oak and Chaparral.

West, on a true line bet. sec. 6 + 31.

Var. 14°, 25° E.

Along S. slope of mountains.

\[ \text{23.84} \quad \text{Intersect - Eastern boundary of Oak Flat Oil claims, 17.95 ch. N. 26° E. of cr. 122.} \]
of said claim, + set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, 4½ ft. in dia. at base, 1½ ft. in height, for co. to fractional sect. 6 + 31. Thence through claims.

34.97 Intersect W. boundary in course No. 4 of said claim, 13.08 chs., N. 26° E., of co. No. 1. This point not being suitable to build mound, I continue + at

40.00 Set stone, 10 x 12 x 6, in stone mound, 4 ft. in dia. at base, 1½ ft. in height, 4½ sec. co.

41.75 Cross gulch, 10 ft. wide, course S. W.
63.00 " " " " " " S. E.

ascend.

50.00 Set temp. co. to thru. 4 + 5° N., Rs. 19 + 20 W.

N. Lat. Rs. 19 + 20 W. T. 4 N.

From the established co. to sects. 1, 6.

172.1 min.

N. Lat. on a true line bet. sects. 1 and 6.

Thru. 14° 25' E.

Descend.

20.00 Enter Canyon, course S. W.
21.30 Cross Creek, 15 ft. wide, course S. W. and

ascend.

21.65 At the point for ½ sec. co. falls on steep side hill, a place not suitable to build mound, I have set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, 1½ ft. in height, for infinite ½ sec. co. Finding the land too rough to co.
time further, in order to obtain the distance, I return to co. to Sec. 6, 7, 8, and 12, on line bet. Rs. 19 and 20 W., and run a base line 14 1/2, 10.50 chs., leave flag-then proceed SE. on line bet. Secs. 14 & 15, on S. slope of mountain, to a point, from which my flag left at end of 10.50 chs., bears N. 5° 30 ft., which will give a distance of 10.71.

To the end of triangulation, and set stone, 12 x 12 x 6, marked by a X for end of triangulation. Then counting by measurement, ascend, counting distance from co. to Secs. 1, 6, 7, & 12.

94.40 Intersct N. Boundary of Tr. 1, 20 chs. S. of camp. Co. set, in running Northern Boundary of this Tr. at point of intersection, set stone, 16 x 12 x 6, in stone mount, 4 1/2 ft. in dia., at base, 4 1/2 ft. in height, for closing co. to Tr. 4 + 5 N., Rs. 19 and 20 W., which would make the line on N. Boundary of Sec. 6, 78.80 ch. long.

Land, mountainous.
Lot, 2 1/2 rate.

Timber and undergrowth of Live Oak and Chaparral.

Dec. 12th 1879.

59.19 W. North on N. Boundary of Sec. 31.
Bear 19° 25' E.

Ascend.

30.40 Set post, 4 in. dia., 1 ft. in earth. 1/4.
Cross stone mound, 4 ft. in dia. at base, by 2 ft. in height, for ¼ see.  0.50
Cross head of revue, 10 ft. wide, conte S. E. & continue ascent.  67.00
Summit of ridge, bears E. & W., and descend.  60.00
Net post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, 4½ ft. in dia. at base, by 2 ft. in height, for ¼ see.  60.00
Part 25, 30, 31 & 36.
Land, mountainous.
Soil, 2½ rate.
Timber and undergrowth of Live Oak, and Chaparal.

X
North, on W. Boundary of Sec. 30.
Jan. 14th, 25th.

Descend.
40.00
Net post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4½ ft. in dia. at base, by 2 ft. in height, for ¼ see.  40.00
Cross for Creek in Canada, curve South West.
48.75
Leave Canada & ascend.
60.00
Net post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, 4½ ft. in dia. at base, by 2 ft. in height, for ¼ see.  60.00
Part 19, 24, 25, 30.
Land, mountainous except in valley.
Soil, 1½ & 2½ rate.
Timber and undergrowth of Live Oak.
<table>
<thead>
<tr>
<th>Time</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.00</td>
<td>Set stone, 12 x 10 x 5 in, stone mound, 4 ft. in dia. at base, by 2 ft. in height, for 1/4 sec. ea.</td>
</tr>
<tr>
<td>80.00</td>
<td>Set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, 4 1/2 ft. in dia. at base, by 2 ft. in height, for 1/4 sec. ea. 13, 18, 19, 24,</td>
</tr>
<tr>
<td></td>
<td>Land, mountainous, Soil, 2 1/8 rate, Timber and undergrowth of Live Oak and Chaparral.</td>
</tr>
<tr>
<td>15.00</td>
<td>Summit of high ridge, 4 sec. N.</td>
</tr>
<tr>
<td>10.00</td>
<td>Set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for 1/4 sec. ea.</td>
</tr>
<tr>
<td>15.00</td>
<td>Cross gulch, 15 ft. wide, contain S. E. and ascend.</td>
</tr>
<tr>
<td>80.00</td>
<td>Set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, 4 1/2 ft. in dia. at base, by 2 ft. in height, for 1/4 sec. ea.</td>
</tr>
<tr>
<td></td>
<td>Land, mountainous.</td>
</tr>
</tbody>
</table>
Soil, 2 ft. rate.
Timber and undergrowth of Live Oak and Chaparral.

Dec. 13

80.00

Soil, 2 ft. rate.
Timber and undergrowth of Live Oak and Chaparral.

80.00

Soil, 2 ft. rate.
Timber and undergrowth of Live Oak and Chaparral.

Next, on W. Boundary of Sec. 6.

Ascend.

10.60

Intersection 15° E. Standard line, North.

10.50 chs. E. of co. 6 recs. 81 and 82.
Set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone, monier 4 1/2 ft. in diameter, by 2 ft. in height, for closing in to Std. 5 S., Re. 19 + 20 W.
Land, mountainous.
Slopes, 2 1/2 rate.
Timber 4 underground of live Oak and Chaparral.

Dec. 15th, 1879.
U. S. Surveyor-General's Office,

San Francisco, Cal. July 17th 1880

The foregoing Field Notes of the Surveys of a Portion of the Exterior Line of Com frustrations 4th-5th Port Rangeo 17-18-19 5th

in the State of California, executed by George D. Collin in Meridian

U. S. Deputy Surveyor, under his contract dated November 22, 1879

having been critically examined, and the necessary corrections and explanations made, the said Field Notes and the Surveys they described are hereby approved.

Thos. Wagner
U. S. Surveyor-General for California.

U. S. Surveyor-General's Office.

San Francisco, Cal. Dec. 18th 1880

I, THEO. WAGNER, 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
the day and date herein above written.

Thos. Wagner
U. S. Surveyor-General for California.