



Copied from W.H. Thorn's Survey of
Nov. 28, 1904-Jan. 11, 1906, furnished by Geological Survey.

76.00 Foot of descent,
Drain, course S.W. Thence over gradual W. Slope
80.28 Cor. Tps. 4 and 5 N., R.S. 11 and 12 W., previously described.
Land mountainous
Soil fourth rate
Timber pinion pine and cedar, chemise, manzanita and live oak
brush.
Formation granite and volcanic

Here the new forest boundary is formed by the Watersheds of
Santa Clara and Tujunga Rivers and Little Rock Creek.

(We now omit the Geological Field Notes for the old boundary
line Santa Barbara Forest up to the point (Cor. No.5 Rancho San
Francisco, see Plat for location of cor. approximately) where
the new forest boundary (or water-shed) again joins the old
boundary which old boundary is still the present forest boundary).

April 20:

At Cor. No. 15 San Fernando Rancho, at 9 a.m. 11 mt
I set off $11^{\circ}21'$ N. on the decl. arc and $34^{\circ}20'$ N. on the lat. arc
and determine a meridian with the solar. Thence I run N. on a
random line.

40.74 True point to cor. No. 5, San Francisco Rancho brs. W. 292 lks. dist.
The witness cor. tree has been cut down but stump remains well
preserved 2 ft. above mound of stone. A 2 in. gas pipe stands
in top of stump and witnessed by two other 2 in. gas pipes.
The true point for cor. No. 5 brs. S. 40° E., 81 lks. dist. from
W.C., falling on steep rocky W. slope.
I set an oak post 4 in. sq. by 3 ft. long for cor. No. 5 Rancho
San Francisco at the true point marked S.F. No. 5 on S. face from
which an oak 8 in. diam. brs. S. $73^{\circ}0'$ E. 36 lks. dist. marked
S.F. No. 5 B.T. I then return to Cor. No. 15, San Fernando Rancho,
thence I run N. $4^{\circ}6'$ W. on a true line. Ascend S.W. slope through
sagebrush.

.06 Set iron U.S. Forest Res. Bdy. Post No. 151, 30 in. in the ground,
raise mound of earth and stone, 4 ft. base, 1 ft. high around
post, marked

No. 151 on S. side of cap
1905 on S. side of cap on rim
Reserve in N.E. quadrant
W.C. in N.E. quadrant
S.F. No. 5 on S.W. side of cap on rim

6.50 Drain, course S.W.
9.50 Ascend steep S. slope
14.85 Top of high hill, descend steep N. W. slope over cliff 30 ft. high
29.00 Large drain, course S.W. Ascend steep S.E. slope.
32.00 Top of ridge brs. E. and W. Summit of San Gabriel Mountain.
35.25 Drain, course E. and N.W.
40.74 True point for cor. No. 5, San Francisco Rancho at which point
Set iron U.S. For. Res. Bdy. Post No. 152 alongside of the W.C.
S.F. No. 5, 30 in. in the ground, raise mound of earth and stone
4 ft. base, 1 ft. high around post marked

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- An oak 8 in.diam. brs. S. 73°E., 36 lks.dist. marked
S.F. No. 5 B.T.
I then return to Cor.No.15, San Fernando Rancho,
thence I run N. 4°6'W. on a true line. Ascend S.W.
slope through sagebrush
Set iron U.S. Forest Res. Bdy. Post No.151, 30 in.
in the ground, raise mound of earth and stone, 4 ft.
base 1 ft. high around post, marked
No. 151 on S. side of cap
1905 on S. side of cap on rim
Reserve in N.E. quadrant
W.C. in N.E. quadrant
S.F. No.5 on S.W. side of cap on rim
- 6.50 Drain, course S.W.
9.50 Ascend steep S. slope
14.85 Top of high hill, descend steep N.W. slope over cliff 30 ft.high
29.00 Large drain, course S.W. Ascend steep S.E. slope
32.00 Top of ridge brs. E. and W. Summit of San Gabriel Mountain
35.25 Drain, course E. and N.W.
40.74 True point for Cor. No. 5, San Francisco Rancho at which point
Set iron U.S. For. Res. Bdy. Post No.152 alongside of the W.C.
S.F. No.5, 30 in. in the ground, raise mound of earth and stone
4 ft. base, 1 ft. high around post marked
No. 152 on S. side of cap
1905 on S. side of cap on rim
Reserve in N.E. and S.E. quadrants
W.C. in N.E. quadrant
S.F. No. 5 on W. side of cap
Land mountainous
Soil third rate
Timber oak and chemise brush
- At the true point for cor. No.5, San Francisco Rancho, I set off
10°30' N. on decl. arc and at 11h 58'59" a.m., l.m.t., observe
the sun on the meridian. The resulting latitude is 34°22' N.,
which is about the proper lat.
- 97.10 Thence I run N. 1°E. on a random line
Set a flag April 20, 1905
- 97.10 April 21;
At this point I set off at 8 a.m., l.m.t., 34°22' N. on the lat.
arc and 11°47' N. on the decl. arc and determine a meridian with
the solar.
- 124.60 Continue random line N. 1° E.
C.C. of Secs. 1 and 12 brs. E. 72 lks. which is an oak post 4 in.
sq., 1 ft. above mound of stone 3 ft. base, 1 ft. high, firmly
set, marked and witnessed. At this point I set off 11°50' N.on
decl. arc and at 11h. 58°47" a.m., l m.t., observe the sun on the
meridian.
- 192.41 The resulting lat. is 34°22' N. which is about the proper lat.
Cor. of Tps. 3 and 4 N., Rs. 15 and 16 W. brs. E. 868 lks.dist.
which is a redwood post 4 in. sq., 2 ft. above ground, firmly
set, marked and witnessed.
April 21, 1905

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- April 22:
192.41 At this point I set off at 8 a.m., l.m.t., $34^{\circ}28'$ N. on the
lat. arc and $12^{\circ}7'$ N. on the decl. arc and determine a merid-
ian with the solar. Continue N. 1° E. on a random line.
216.00 At this point I set off $12^{\circ}10'$ N. on decl. arc and at 11h
 $58'34''$ a.m., l.m.t., observe the sun on the meridian. The
235.00 resulting lat. is $34^{\circ}23'$ N. which is about the proper latitude.
Set a flag April 22, 1905
- April 24:
235.00 At this point, at 8 a.m., l.m.t., I set off $34^{\circ}23'$ N. on the
lat. arc and $12^{\circ}48'$ N. on the decl. arc and determine a merid-
ian with the solar.
Continue N. 1° E. on a random line
321.50 At this point I set off $12^{\circ}50'$ N. on the decl. arc and at 11h
 $58'$ a.m., l.m.t., observe the sun on the meridian. The result-
ing lat. is $34^{\circ}24'$ N. which is about the proper lat.
- 356.50 Cor. of Secs. 19, 24, 25 and 30, E. Bdy. T. 4 N., R. 16 W., also
cor. No. 6, San Francisco Rancho brs. E. 256 lks. dist. which is
a stake 2 in. sq. set in mound of stone, firmly set, marks are
plain.
I set a granite stone 20x8x5 in. 14 in the ground alongside of
stake, marked S.F. No. 6 on W. face, 2 notches on S. and 4 notches
on N. faces. April 24, 1905
- April 25:
1.70 I return to the true point for cor. No. 5, San Francisco Rancho,
thence I run N. $1^{\circ}24'$ E. on a true line.
Wagon road brs. N. 20° E. and S. 20° W. Ascend through brush
and oak timber
3.50 Small drain, course E.
7.50 Small drain, course E.
11.55 Drain, course E.
16.75 Descend steep N.E. slope
17.00 Enter valley brs. N. 20° W. and S. 20° E. Kern River Power Co.'s
Line brs. N. 58° W. and S. 58° E.
17.50 Drain, course N. 20° W.
18.20 Wire fence brs. E. and W.
19.20 Road brs. N. 20° W. and S. 20° E.
19.82 N.E. cor. of derrick brs. S. $54^{\circ}52'$ W. 13 lks. dist.
23.89 A post 4 in. sq. brs. W. 5 ft. dist.
- 26.00 Oil derrick brs. W. 12 lks. dist.
27.37 Iron pipe on line
30.00 Oil derrick brs. W. 18 lks. dist.
30.25 Ascend N.E. slope
30.75 Top of low spur
33.50 Dim road brs. E. and W.
33.62 Iron pipe on line
36.50 Ascend steep S. slope
38.75 Top of spur brs. E. and W. Descend N. slope

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46.75	Drain, course W. Ascend S.W. slope
49.69	Top of spur brs. E. and W. Descend steep N. slope
54.75	Drain, course W. Ascend steep S.W. slope
56.75	Top of spur brs. E. and W.
60.00	Drain, course S.W.
65.75	Top of ridge brs. E. and W. Descend N.E. slope
70.25	Road brs. E. and W.
75.00	Change to N.W. slope
77.00	Drain, course W. Ascend
79.90	Top of spur brs. E. and W.
83.30	Descend steep N.W. slope
85.83	Sandstone cliff 30 ft. high brs. N. 70°W. and S. 70°E.
91.66	Pumping plant brs. W. 10 lks. dist.
93.91	Thence over gradual N. slope
96.85	Set iron U.S. For. Res. Bdy. Post No. 153, 30 in. in the ground, raise mound of earth and stone 5 ft. base, 1 ft. high around post, marked
	No. 153 on S. side of cap
	1905 on S. side of cap on rim
	Reserve in N.E. and S.E. quadrants
	S.F. on W. side of cap on rim
97.00	Road brs. N. 70°E. and S. 70° W.
98.75	Creek 20 lks. wide, course N. 70°W. Small stream of water not fit for drinking.
99.75	Ascend S.E. slope
106.75	Top of ridge brs. E. and W. Descend gradual N.W. slope.
109.82	Wire fence brs. E. and W. Leave brush, enter level land.
118.92	Change to nearly level land.
119.02	Wire fence brs. E. and W. leave field.
119.05	Private road brs. E. and W.
120.85	Wash. course S. 20°W. Ascend through brush
124.45	Top of ridge brs. E. and W.
124.60	C.C. of Secs. 1 and 12 brs. W. 17 lks. dist.
	Descend N. slope along wire fence
133.80	Drain, course W. Ascend
140.30	Top of ridge brs. E. and W. Wire fence brs. E. and W.
	Descend N.W. slope
147.90	Creek 10 lks. wide, course S.W. Small stream of water
	Ascend south slope
151.25	Spur brs. N.E. and S.W.
155.50	Spur brs. N.E. and W.
157.00	Drain, course S.W.
161.50	Top of spur brs. N.E. and S.W.
162.90	Drain, course S.W.
164.00	Spur brs. N.E. and S.W.
165.40	Drain, course S.W.

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Jan.11,106,furnished by Geological Survey.

171.10 Top of ridge brs. E. and W.
178.10 Drain, course N.E. Ascend S.E. slope
182.00 Top of spur brs. N.E. and S.W. Descend N.E. slope
191.75 Enter Placerita Valley brs. E. and W.
192.41 Cor. of Tps. 3 and 4 N.Rs. 15 and 16 W.brs.E. 7.30 chs.dist.
194.80 +Set iron U.S.For.Res.Bdy.Post No.154, 30 in.in the ground, raise mound of earth and stone 5 ft.base,1 ft.high around post, marked

No.154 on S.side of cap
1905 on S.side of cap on rim
Reserve in N.E. and S.E.quadrants
S.F. on S.W. side of cap on rim
from which an oak 24 in. in diam.brs.S. 69°
45'W 88 lks.dist. marked Bdy.Post No.154 B.T.
An Oak 30 in.diam.brs. N.80°10'E. 208 lks.
dist. marked Bdy. Post No. 154 B.T.

+ #154 Moved 1°24'E,9 ft. 5", using variation of
15°30' E, on May 5, 1915.

N.1°24'E. 9.42 ? See letter S.H.D. "L.S.B. Boundaries" 5/5/15.

April 25, 1905.

April 26:

Continue N. 1°24' E. on a true line.
194.40(?) Telephone line brs. N. 70° W. and S. 70°E.
197.40 Placerita Creek 100 lks. wide, course W.
199.30 Dry Creek course N. 70° W.
209.25 Dim road brs. E. and W.
210.00 Leave Placerita Valley brs. N.W. and S.E. Ascend S. slope
216.00 Top of spur brs. N.E. and S.W.

Descend N.W. slope.
223.90 Drain, course S.W. Ascend.
229.75 Change to gradual S.W. slope.
231.60 Drain, course S.W.
235.00 Top of ridge brs. E. and W. Descend steep N. slope.
239.00 Drain, course N.E.
242.00 Foot of descent brs. E. and W.
245.63 Dim road brs. E. and W.
249.00 Wash 50 lks. wide, course W.
251.00 Ascend S. slope.
257.90 Side hill drain, course S.W.
259.50 Fir brs. N.E. and S.W.
261.30 Drain, course W.
262.00 Spur brs. N.E. and S.W.
263.50 Drain, course S.W. Ascend steep S. slope.
277.50 Change to gradual S. slope.
278.82 Top of ascent.

Set iron U.S. For.Res.Bdy.Post No.155, 30 in. in the ground, raise mound of earth and stone 5 ft. base 1 ft.high around post marked

No. 155 on S. side of cap
1905 on S. side of cap on rim
Reserve in N.E. and S.E. quadrants
S.F. on S.W. side of cap on rim
Descent gradual N.W. slope

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286.13 Dim road brs. E. and W.
286.50 Wash 20 lks. wide, course W. Old Placer diggings
Ascend gradual S. slope.
293.00 Top of low ridge brs. E. and W. Descend gradual N.W. slope.
301.50 Drain, course W. ascend.
308.50 Low ridge brs. E. and W. Descend gradual N. slope.
313.00 Trail brs. N.E. and S.W.
316.50 Drain, course N. 10° W.
318.00 Drain, course N. 10° W.
339.00 Enter old dead orchard.
344.50 Leave orchard brs. E. and W.
354.30 Dry wash, 20 lks. wide, course N.W.
356.50 Cor. of Secs. 19,24,25 and 30, which is also cor. No.6, Rancho
Francisco, previously described.

Land mountainous and rolling.
Soil third and fourth rate.
Timber some oak, chemise and sagebrush.

April 26, 1905.

April 29:

At the corner of Secs. 19, 24, 25 and 30, which is also Rancho
San Francisco Cor. No. 6, at 8 a.m.l.m.t., I set off 34°24' N.
on the lat. arc and 14°24' N. on the decl. arc and determine a
meridian with the solar. Thence I run N. on a random line bet.
Secs. 19 and 24, W. Bdy. T. 4 N., R.15 W. to cor. No. 7, San
Francisco Rancho.

40.00 Find no trace of $\frac{1}{4}$ sec.cor. Set temp. $\frac{1}{4}$ sec. cor.
79.80 Cor. of Secs. 13, 18, 19 and 24 brs. W. 7 lks. dist. which is
a post badly decayed in mound of stone, marks almost obliterated.
I set a granite stone 20x10x18 in. 15 in. in the ground along-
side old cor. for sec. cor. marked S.F. and W. face, with 3
notches on N. and 3 notches on S. faces.

98.92 Continue random line N.
Cor. No. 7 San Francisco Rancho washed out.

The true point for cor. falls W. 9 lks. dist., which I located
from a cottonwood 8 in.diam. bearing S. 72° W. 207 lks. dist.
from true point marked S.F. No. 7, B.T.

No trace of N.E. bearing tree. I set a granite stone 18x12x10 in.
in mound of stone, 3 ft. base, 1 ft.high marked S.F.No.7 on W.face,
at true point for San Francisco Rancho Cor.No.7. This cor. is
situated at the foot of a 50 ft.cliff on the edge of the Santa
Clara River. I then return to cor.No.6. Also the cor.of Secs.19,
24, 25 and 30.

Thence I run N. 0°3' W. on a true line to Cor. No.7.

.06 Set iron U.S.For.Res.Bdy.Post No.156, 30 in. in the ground, raise
mound of stone 5 ft.base, 1 ft. high around post marked

No. 156 on S. side of cap
1905 on S. side of cap on rim
Reserve in N.E. and S.E.quadrants, also marked

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T. 4 N., S.19 W.C. in N.E. quadrant
R. 15 W., S. 30 in S.E. quadrant
R. 16 W., S. 25 in S.W. quadrant
S. 24 in N.W. quadrant
S.F.No.6 on E.side of cap, 2 notches on S.and 4 notches
on N. edges of rim of cap.

Thence over level land along dim road

3.50 Leave road, brs. to N. 20° E. Enter brush
9.75 Top of small spur brs. E. and W. Thence over level land.
30.00 Top of low spur brs. E. and S. Ascend S.E. slope.
37.50 Top of spur brs. E. and W. Descend gradual N.E. slope.
39.75 Enter level land brs.E. and W.
39.90 Set a granite stone 10x8x6 in. in mound of stone 3 ft.base,
1 ft.high for $\frac{1}{4}$ sec.cor. marked $\frac{1}{4}$ on E. and S.F. on W. faces,
from which an oak 18 in.diam.brs. N.10° E., 10 lks. dist.
marked $\frac{1}{4}$ S.B.T.

43.00 Ascend spur
45.00 Top of spur brs. E. and W. Descend through dense brush
47.00 Enter Santa Clara Valley brs. E. and W.
51.00 Wash, course W.
59.75 Wire fence brs. E. and W.
60.50 Center of S.P.R.R. track brs. N. 81°15' E. and S. 81°15' W.
61.25 Telegraph line brs. N. 81°15' E. and S. 81°15' W.
61.25 Set iron U.S.For.Res.Bdy. Post No.157, 30 in.in the ground,
raise mound of earth and stone 5 ft. base, 1 ft. high around
post, marked

No.157 on S. side of cap
1905 on S. side of cap on rim
Reserve on N.E. and S.E. quadrants
S.F. on W. side of cap on rim

61.75 Wagonroad brs. N. 81° 15' E. and S. 81° 15' W.
61.85 Wire fence brs.N. 81° 15' W. and S. 81° 15' W.

79.80 Thence along wire fence
Cor. of Secs. 13, 18, 19 and 24 previously described

86.30 Continue N. 0°3' W. on a true line
98.00 Enter wash of the Santa Clara River, course W.
98.92 Santa Clara River Bed 80 lks. wide, course W.
Cor. No.7, Rancho San Francisco (true point) previously de-
scribed.
Land level and mountainous, soil third rate.
Timber some oak and cottonwood, chemise, sage and manzanita brush.

Thence I run N. 41° W. on a random line to cor.No.8 Rancho San
Francisco

.81 At this point I set off 14°27' N. on the decl. arc and at 11h 57'
a.m., l.m.t., observe the sun on
86.77 The resulting lat. is 34°25' N. which is 30" less than the proper lat
Set a flag

April 29, 1905.

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May 1.

- 86.77 At this point at 9 2.m., l.m.t., I set off $24^{\circ}26'$ N. on the lat. arc and $15^{\circ}2'$ N. on the decl. arc and determine a meridian with the solar.
- 138.70 Thence I continue N. $41^{\circ}0'$ W. on a random line. At this point I set off $15^{\circ}3'$ N. on the decl. arc and at 11h 57' a.m., l.m.t., observe the sun on the meridian
- 186.75 The resulting lat. is $34^{\circ}26'$ N. which is about the proper lat. Cor. No. 8, Rancho San Francisco brs. N. $49^{\circ}E.$, 167 lks. dist. which is a galvanized iron pipe, 1 in. diam. 1 ft. above mound of stone, 3 ft. base, 1 ft. high. I dig in mound of stone and found decayed portion of old post. Set a granite stone $15 \times 10 \times 6$ in. in mound of stone alongside of iron pipe marked "S.F. No. 8" on W. face. I then return to Cor. No. 7, Rancho San Francisco. Thence I run N. $40^{\circ}29'$ W. on a true line to Cor. No. 8.
- .63 Top of perpendicular bank 50 ft. high, brs. E. and W.
- .81 Set iron U.S. For. Res. Bdy. Post No. 158, 30 in. in the ground, raise mound of earth and stone 5 ft. base, 1 ft. high around post, marked
- No. 158 on S. side of cap
1905 on S. side of cap on rim
Reserve in S.E., N.E. and N.W. quadrants
W.C. in N.E. quadrant
S.F. No. 8 on S.W. side of rim of cap
Thence over nearly level land through sagebrush
- 10.69 Top of spur brs. N.E. and S.W.
- 12.70 Enter valley
- 14.00 Dry wash, 20 lks. wide, course S.W. Thence over nearly level land through chemise and wildcherry brush.
- 23.57 Wash 10 lks. wide, course S. Ascend gradual S.E. slope.
- 34.93 Top of spur brs. N.W. and S.E.
- 37.56 Top of spur brs. N.W. and S.E.
- 40.40 Top of ridge brs. N.E. and S.W.
- 44.73 Descend N.W. slope
- 46.00 Drain, course S. Thence over nearly level tableland
- 60.40 Leave tableland. Descend steep N.W. slope through dense brush along wire fence.
- 65.00 Change to broken S. slope.
- 80.00 Dead man's canyon, course S.W.
- 86.77 + Set iron U.S. For. Res. Bdy. Post No. 159, 30 in. in the ground. Raise mound of earth and stone 5 ft. base 1 ft. high around post marked
- No. 159 on S. side of cap
1905 on S. side of cap on rim
Reserve in S.E., N.E. and N.W. quadrants
S.F. on S.W. side of cap on rim
- + No. 159 moved S. $40^{\circ}45'$ E. 40 links on Nov. 2, 1912
See letter of S.H.D. - O.S.B. - Boundaries 11/6/12.

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- 86.87 Road brs. N.E. and S.W.
87.07 Wire fence brs. N.W. and S.E. Enter field.
93.50 Wash 100 lks. wide, course S.W.
- 103.69 Enter old orchard
108.65 Leave level land, ascend S.E. slope.
110.00 Top of spur brs. N. & S. Change to S.W. slope.
117.00 Change to S.E. slope.
121.50 Change to N.E. slope.
124.50 Top of ridge brs. N.E. and S.W. Descend steep N.W. slope.
131.50 Change to gradual E. slope.
138.00 Wash 10 lks. wide, course N.E.
138.70 Dim road brs. N.E. and S.W.
- 139.00 Ascend gradual S.E. slope.
152.35 Same wash, course S.E.
155.50 Ascend steep broken E. slope
159.25 Top of ridge brs. N. & S.
- 170.02 Descend steep slide 50 ft. high
186.75 Cor. No.8, San Francisco Rancho previously described
- Land mountainous
Soil third and fourth rate, sandy and rocky.
Timber chemise and cherry brush.
- May 1, 1905.
- May 2.
At Cor. No.8 San Francisco Rancho at 9 a.m., l.m.t.,
I set off $34^{\circ}26'$ N. on lat.arc and $15^{\circ}20'$ N. on the decl.arc
and determine a meridian with the solar.
- 83.75 Thence I run N. $34^{\circ}0'$ W. on a random line to Cor. No. 9
At this point I set off $15^{\circ}21'$ N. on the decl. arc and 11h 54'7"
a.m., l.m.t., observe the sun on the meridian. The resulting
lat. is $34^{\circ}28'$ N. which is about the proper lat.
- 89.33 Cor.No.9, Rancho San Francisco brs. N. $56^{\circ}0'$ E.50 lks. dist.,
which is an oak post 2 in. sq., 18 ins. above ground, marks
nearly obliterated and the post so badly decayed that it broke
off when I touched it. I set a granite boulder 20x16x11 in.
15 ins. in the ground, by the side of old post marked S.E.No.9
on S.W. face, raise mound of stone 3 ft. base 1 ft. high
around cor. I then return to Cor.No.8 San Francisco Rancho.
Thence I run N. $33^{\circ}41'$ W. on a true line to Cor. No.9, San
Francisco Rancho, over level land through dense brush.
- .06 Set iron U.S.For.Res.Bdy.Post No.160, 30 in. in the ground,
raise mound of earth and stone 5 ft. base, 1 ft. high around
post marked
- No.160 on S. side of cap
1905 on S. side of cap on rim
Reserve in S.E., N.E. and N.W.quadrants
W.C. in N.E. quadrants
S.F. No.8 on S.W. side of cap on rim
- 2.40 Wash 10 lks.wide, course W. Ascend gradual S.E. slope
8.40 Top of ridge brs.N.E. and S.W. Thence along top of spur.Descend
19.50 Change to S.E. slope.

Copied from W.H. Thorn's Survey of Nov.27,1904,
Jan.11,1906, furnished by the Geological Survey.

21.75 Ridge brs. N.E. and S.W.
25.00 Enter canyon course S.W.
26.90 Drain, course S.W.
28.25 Kern River Power Co.'s Line brs. N.35°E. and S.35°W.
34.50 Enter road brs. S. 34°W. and N.34°W.

37.00 Enter wash, course S.W.
47.20 Leave wash, course from north to northeast.
47.50 Leave road brs. from N.W. to S. 34° E.
47.92 Set iron U.S.For.Res.Bdy.Post No.161, 30 in.in the ground,
raise mound of earth and stone 5 ft. base, 1 ft. high around
post, marked

No. 161 on S. side of cap
1905 on S. side of cap on rim
Reserve in the S.E., N.E. and N.W. quadrants
S.F. on S.W. side of cap on rim

48.25 Ascend S.W. slope
52.75 Drain, course S.W.
56.75 Top of spur brs. N.W. and S.E.
61.50 Drain, course S.E.
65.70 Drain, course S.E.
69.50 Top of ridge brs. N.E. and S.W.
71.50 Descend
71.75 Drain, course N.E.
74.75 Drain, course S.E. Ascend
78.50 Top of ridge brs. N.E. and S.W.
80.90 Drain, course W.
82.00 Low spur brs. E. and W.
82.50 Drain, course W.
83.75 Top of ridge brs. E. and W. Descend gradual N.E. slope
89.33 Cor. No.9, Rancho San Francisco previously described.

Soil fourth rate.
Land mountainous.
Timber sage, chemise and manzanita brush.

Thence I run N. 81°2' W. on a random line to Cor.No.10 San
Francisco Rancho

72.00 Set flag May 2, 1905.

72.00 May 3:
At this point, at 10 a.m., l.m.t., I set off 34°28' N.on the lat.
arc and 15°38' N. on the decl. arc and determine a meridian with
the solar.

105.04 I continue random line N.81°2' W.
At this point I set off 15°39' N. on the decl. arc and at
11h 36'50" a.m.,l.m.t., observe the sun on the meridian. The
resulting lat.is 34°28'N. which is about the correct latitude.

138.25 Set a flag. May 3, 1905.

Copied from W.H. Thorn's Survey of Nov.28,1904 -
Jan.11,1906, furnished by the Geological Survey.

- May 4:
- 138.25 At this point, at 9.2 .,l.m.t., I set off 34°28' N. on the lat. arc and 15°55' N. on the decl. arc and determine a meridian with the solar. I continue random line N. 81°2' W.
- 186.90 At this point I set off 15°57' N. on the decl. arc and at 11h 56'42" a.m.l.m.t., observe the sun on the meridian. The resulting lat. is 34°28' N. which is about 20" less than the proper lat.
- 265.00 Set a flag. May 4, 1905.
- May 5:
- 265.00 At this point, at 9 a.m., l.m.t., I set off 34°28' N. on the lat. arc and 16°12' N. on the decl. arc and determine a meridian with the solar.
- 300.00 Thence I continue N. 81°2' E. on a random line
- 320.96 At this point I set off 16°14' N. on the decl. arc and at 10h 50'36" a.m., l.m.t., observe the sun on the meridian. The resulting lat. is 34°28' N. which is about the proper lat.
- Cor.No.10, Rancho San Francisco, brs. S. 8°58' W. 34 lks. dist. which is a pine post 4x3 in. sq. 2 ft. above mount of stone, 3 ft. base, 1 ft. high, firmly set and marked S.F.No.10 on S.W.face
- Note: The live oak tree cor. for S.F.No.10 entirely destroyed. A deep depression in the ground remains, evidently the place where tree cor. stood. Post above described stands on edge of depression. The old cherry stump described in original notes has been washed out.
- I set a granite stone 26x8x8 in. 18 in. in the ground, by the side of the post, marked S.F.No.10 on S.E. face. I return to Cor. No.9 Rancho San Francisco. Thence I run N. 81°5' W. on a true line to Cor. No.10 San Francisco Rancho. Ascend gradual N.E. slope through brush.
- .06 Set iron U.S.For.Res.Bdy.Post No.162, 30 in. in the ground, raise mound of earth and stone 5 ft. base, 1 ft. high around post marked
- No.162 on S. side of cap
1905 on S. side of cap on rim
Reserve in S.E., N.E. and N.W. quadrants,
W.C. in the N.E. quadrant
S.F.No.9 on the S.W. side of cap on rim
- 2.25 Drain, course N.E.
- 5.50 Top of small spur brs. N. & S. Descend.
- 7.92 Top of small spur brs. N. & S.
- 14.00 Enter canada brs. N.E. and S.W. Ascend E. slope.
- 29.13 Top of spur brs. N. & S.
- 31.63 Road brs. N.W. and S.E.
- 32.07 Set iron U.S. For. Res.Bdy. Post No.163, 24 in.in the ground, raise mound of earth and stone 6 ft. base, 1½ ft. high around post, marked
- No.163 on S. side of cap
1905 on S. side of cap on rim
Reserve in N.E. and N.W. quadrants.
S.F. on S. side of cap on rim
- 32.12 Wire fence brs. N.W. and S.E.
- 33.00 Top of small spur brs. N. & S.
- 36.00 Enter San Francisquito Valley brs. N. & S.

Copied from W.H. Thorn's survey of Nov.28,1904
Jan.11,1906, furnished by the Geological Survey.

45.80 Enter wash, course S.
55.70 Leave wash, course S.
64.25 Leave valley, ascend steep E. slope through dense brush
72.00 Top of spur brs. N. & S. Thence over broken N. slope
83.43 Top of spur brs. N.W. and S.E. Descend gradual W. slope
88.00 Enter level land brs. S.E. and N.W.
95.00 Leave level land, ascend S. slope
98.98 Top of spur brs. N. & S. Wire fence brs. N. & S.

100.00 Drain, course S.E.
105.04 Top of spur brs. N. & S.
112.00 Drain, course S.E.
115.56 Top of spurs brs. N. & S. Set a flag.
May 5, 1905.

May 6:
115.56 Continue on the true line
118.00 Drain, course N.E. Ascend E. slope through dense brush.
128.90 Top of spur brs. N.E. and S.W.
130.00 Descend steep S.W. slope.
131.85 Top of ridge brs. N. & S.
134.00 Drain, course S.E. Ascend steep S. slope.
138.25 Set Iron U.S.Forest Res.Bdy.Post No.164, 30 in.in the ground,
raised mound of earth and stone 5 ft. base 1 ft. high around
post, marked
No. 164 on S. side of cap
1905 on S. side of cap on rim
Reserve in N.E. and N.W. quadrants
S.F. on S. side of cap on rim
Descend gradual W. slope

142.25 Drain, course S.W.
146.00 Same drain, course N.W.
151.25 Top of spur brs. N. & S. Descend N.W. slope
156.50 Same drain, course S. 70° W.
163.00 Drain, course S.
167.50 Spur brs. N. & S.
168.40 Drain, course S.
171.00 Top of spur
176.00 Wash 20 lks. wide, course S.W. Ascend
179.80 Drain, course S.W.
185.95 Drain, course S.W.
186.90 Top of spur brs. N. & S. Descend W. slope.
192.50 Ravine 50 lks. wide, 20 ft. deep, course S.W.
195.80 Drain, course S.E. Ascend steep E. slope.
208.17 Top of ridge brs. N. & S.

Set Iron U.S.For.Res.Bdy.Post No.165, 30 in. in the ground,
raised mound of earth and stone 5 ft. base, 1 ft. high around
post, marked

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Jan. 11, 1906, furnished by the Geological Survey

No. 165 on S. side of cap
1905 on S. side of cap on rim
Reserve in N.E. and N.W. quadrants
S.F. on S. side of cap on rim

208.25 -Descend broken W. slope
210.25 Drain, course S.W.
212.50 Spur brs. N.E. and S.W.
218.00 Change to steep W. slope
233.50 Drain, course S.W. Ascend steep N.W. slope
236.50 Top of ridge brs. N.E. and S.W.
241.15 Drain, course S.W.
248.50 Drain, course S.W. Ascend E. slope
251.50 Spurs brs. N. & S.
252.00 Drain, course S.E.
253.70 Drain, course S.E.
258.00 Ridge brs. N. & S.
262.00 Drain, course S.
265.00 Top of spur brs. N. & S.
266.75 Small drain, course S.
268.00 Top of spur brs. N. & S.
269.70 Set iron U.S.For.Res.Bdy.Post 166, 30 in. in the ground, raised mound of earth 5 ft. base, 1 ft. high around post, dig pits 36x36x12 in. in each side of post on line 8 ft. dist. marked

No. 166 on S. side of cap
1905 on S. side of cap on rim
Reserve in N.E. and N.W. quadrants
S.F. on S. side of cap on rim

270.25 -Head of small drain, course S.W.
273.95 Head of small drain, course S.W.
275.90 Spurs brs. N. & S. Descend steep S.W. slope
277.15 Side hill drain, course S.
278.52 Small spur brs. N. & S. Descend
280.50 Drain, course S.E. Ascend steep S.E. slope
284.50 Top of ascent, thence over mesa
292.50 Leave mesa, descend steep S.W. slope
296.10 Drain, course S.
300.00 Top of mesa brs. N. & S.
301.40 Leave mesa, descend steep S.W. slope
307.49 A live oak 3 ft. diam. on line, cut 2 notches on E. and W. faces
315.00 Enter Castaic Valley brs. N. & S.
320.90 Set iron U.S.For.Res.Bdy.Post No.167, 30 in. in the ground, raise mound of earth and stone 5 ft. base, 1 ft. high around post, marked

No.167 on S. side of cap ~~on rim~~
1905 on S. side of cap on rim
W.O. in N.E. quadrants
S.F.No.10 on S. side of cap on rim

320.96 Cor. No.10, Rancho San Francisco previously described.
- Land mountainous, soil fourth rate
Timber dense growth of chemise and sagebrush.

May 6, 1905.

Copied from W.H. Thorn's Survey of Nov.28-1904
Jan.11,1906, furnished by the Geological Survey.

May 8:

At cor. No.10, San Francisco Rancho, heretofore described, at 8 a.m., l.m.t., I set off $34^{\circ}28'$ N. on the lat. arc and $17^{\circ}2'$ N. on the decl. arc and determine a meridian with the solar. Thence I run S. $33^{\circ}16'$ W. on a random line to Cor.No.11 of San Francisco Rancho.

115.34 C.C. of Secs.1 and 2, T.4 N. R.17 W. brs. S. $56^{\circ}44'$ E. 87 lks. dist. which is a redwood post having 3 sides, 3 in. wide, 18 in. above ground, firmly set and marked.

S.F. on S. face
T. 4 N., S. 1 on N.E. face
R.17 W., S. 2 on N.W. face

At this point I set off $17^{\circ}4'$ N. on the decl. arc and at 11h $56'24''$ a.m., observe the sun on the meridian. The resulting lat. is $34^{\circ}26'$ N., which is about the proper latitude.

261.80 Set a flag May 8, 1905
May 9:

261.80 At this point at 8 a.m., l.m.t., I set off $34^{\circ}26'$ N. on the lat. arc and $17^{\circ}18'$ N. on the decl. arc and determine a meridian with the solar. Continue S. $33^{\circ}16'$ W. on a random line.

350.79 Cor.No.11 San Francisco Rancho brs. S. $56^{\circ}44'$ E. 130 lks. dist. which is a White Cedar post 6 in. sq., 5 ft. above ground firmly set, marked S.F. No.11 on E. face; $\frac{1}{4}$ S. on W. face.
Note: This post is at angle of wire fence and is somewhat charred. At this cor. I set off $17^{\circ}21'$ N. on the decl. arc and at 11h $56'20''$ a.m., l.m.t. observe the sun on the meridian. The resulting lat. is $34^{\circ}25'$ N. which is about the proper latitude. I then return to cor. No.10, San Francisco Rancho, thence I run S. $33^{\circ}3'$ W. on a true line to cor. No.11, over level land, along wire fence. A well brs. W. 27 lks.
14.50 Enter willows brs. N. & S.
18.50 Enter wash of the Castaic Canyon, course S. Small stream of water.
20.25 Wire fence brs. E. and W.
45.37 House brs. W. about 5 chs.
53.00 Road brs. N. & S.
58.70 Wire fence brs. N. & S.
59.70 Leave wash, course S.
60.25 Set iron U.S. For.Res.Bdy.Post No.168, 30 in. in the ground, raise mound of earth and stone 5 ft. base, 1 ft. high around post, marked
51.97

No. 168 on S. side of cap
1905 on S. side of cap on rim
Reserve in N.W., S.W. and N.E. quadrants

Filed notes in regards to resetting of boundary post No.169, on boundary of Santa Barbara National Forest, where said boundary crosses Hasley canyon.

Post was formally set by W.H. Thorn, but was recently washed out.

February 27, 1914.

Variation 16° W.

I found that storm waters had cut new channel, and left post leaning on north side of gulch about 8 feet deep. Post was leaning, but bottom was still in original position. I plumb instrument over bottom of post, and sight south 33°3' W, on flag a distance of 94 links. At this point I reset boundary post 3 ft. in earth, one foot above mound of earth and stone 3 ft. in diameter at base, by 1 ft. in height.

Work was done with a Forest Service standard compass, made by W. & L.E. Gurley, Troy, N.Y.

Chain used was 66 feet in length, made by Keuffel & Esser, New York.

(Signed) Walter Einerick
Asst. Forest Ranger

Copied from W.H. Thorn's Survey of Nov. 28, 1904
Jan. 11, 1906, furnished by the Geological Survey.

65.75 Leave Castaic Valley brs. N. & S. Ascend steep bank 30 feet high.
68.00 Top of bank
69.50 Ravine 150 lks. wide, 30 ft. deep, course N.E.
Ascend steep N. slope through brush
71.59 Change to gradual N. slope
72.00 Top of spur brs. E. and W. Descend.
79.75 Drain, course N.E. Ascend.
83.00 Top of ridge brs. E. and W.
85.25 Small drain, course E.
86.75 Small spur brs. E. and W.
89.50 Drain, course E. Ascend.
96.50 Top of ridge brs. N.W. and S.E. Descend S. slope.

103.00 Drain, course S.E.
107.00 Spur brs. E. and W.
108.00 Drain, course E.
112.00 Spur brs. N.E. and S.W.
114.25 Drain, course N.E. Ascend steep N.E. slope.
115.34 C.C. of Secs. 1 and 2, T.4 N. R.17 W., brs. S. 56°57'E. 42 lks. dist.

Set a flag. May 9, 1905.
May 10:
115.34 Continue S. 33°3' W. on a true line.
118.11 Top of ridge brs. E. and W. Descend S.W. slope.
124.50 Side fill drain, course S.W.
125.50 Spur brs. N.E. and S.W.
128.00 Enter level land
131.50 Leave level land. Ascend steep N.E. slope.
138.68 Top of ridge brs. E. and W.
143.70 Descend S.W. slope.
144.50 Small spur brs. N.E. and S.W.
145.22 Drain, course S.W.
148.00 Enter Hasley's canyon brs. N.W. and S.E.
168.00 Wash course S.E.
174.00 Road brs. N.W. and S.E.
174.15 Set iron U.S. For. Res. Bdy. Post No. 169, 30 in. in the ground,
raised mound of earth and stone 5 ft. base 1 ft. high around
post marked

No. 169 on S. side of cap
1905 on S. side of cap on rim
Reserve in S.W., N.W. and N.E. quadrants
S.F. on W. side of cap on rim

177.00 Leave Hasley's canyon, ascend N.E. slope
186.50 Top of ridge brs. E. and W. Descend.
196.64 Enter valley brs. N.E. and S.W.
198.00 Ascend steep N.W. slope
201.00 Top of spur brs. N.E. and S.W. Descend steep S. slope.
204.25 Ravine 75 lks. wide 10 ft. deep, course S.E.
204.54 Wire fence brs. N.W. and S.E.
229.50 Top of ridge brs. E. and W. Descend S.E. slope.
232.70 Drain, course S.E.
238.00 Spur brs. N.W. and S.E. Descend.
242.25 Drain, course S.E.
244.25 Drain, course E. Ascend.
247.00 Spur brs. E. and W.
248.25 Drain, course E., ascend N.E. slope.
253.46 Top of spur brs. N.E. and S.W.
259.50 Drain, course S.E.
261.80 Ridge brs. E. and W.

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Set Iron U.S.For.Res.Bdy.Post No.170, 30 in. in the ground, raise mound of earth and stone 5 ft.base, 1 ft.high around post marked

No.170 on S. side of cap
1905 on S. side of cap on rim
Reserve in S.W., N.W. and N.E. quadrants
S.F. on E. side of cap on rim

269.00 Drain, course S.W. Ascend steep N.W. slope
270.66 Top of ridge brs. N.E. and S.W. Descend steep S. slope.
272.00 Drain, course S.E.
274.00 Drain, course S.E.
276.78 Low spur brs. N.W. and S.E.
282.20 Wash 20 lks. wide, course S.W.
284.25 Drain, course S.W.
288.00 Small spur brs.E. and W.
288.50 Small drain, course S.W.
291.50 Small spur brs. S.W. and N.E.
293.40 Drain, course S.W. Ascend steep N.W. slope.

297.00 Top of ridge brs. S.W. and N.E. Descend steep S. slope.
301.80 Drain, course W.
303.50 Spur brs. E. and W.
305.00 Drain, course W.
307.15 Top of spur brs. E.and W. Descend steep S.W. slope.
311.00 Wash 50 lks. wide, course S. Thence over nearly level land.
312.85 Vacant house brs. W. 3 chs. dist.
322.05 Set iron U.S.For.Res.Bdy.Post 171, 30 in.in the ground, raise mound of earth 5 ft. base, 1 ft.high around post, dig pits 36x36x12 in.each side of post on line 8 ft. dist. marked

No. 171 on S. side of cap
1905 on S. side of cap on rim
Reserve in S.W., N.W. and N.E. quadrants
S.F. on S. side of cap on rim

324.75 Drain, course E.
328.50 Drain, course E. Ascend.
333.50 Top of spur brs. N.W. and S.E.
335.00 Ravine 150 lks. wide, 20 ft. deep, course E.
339.50 Ravine 20 lks. wide, 6 ft. deep, course E.
342.00 Ravine 150 lks. wide, 30 ft. deep, course S.E.
350.79 Cor.No.11 San Francisco Rancho previously described.
Land mountainous and level.
Soil second and fourth rate. Timber dense growth of chemise and sage brush.

May 10, 1905.

May 11:

At Cor.No.11, San Francisco Rancho, at 8 a.m.,l.m.t., I set off 34°25' N. on the lat.arc and 17°49' N. on the decl.arc and determine a meridian with the solar.

Magnetic variation 15°15' E.

Thence I run S. 86°45' W. on a random line to cor.

No.12, San Francisco Rancho

111.21 At this point I set off 17°52' N. on the decl.arc and at 11h 56' a.m.,l.m.t., observe the sun on the meridian. The resulting lat. is 34°25' N. which is 14" less than the proper lat.

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Jan.11,1906, furnished by Geological Survey.

- 219.50 Boundary Post of Los Angeles and Ventura Counties brs.N.135 lks.
dist.which is a cedar post 4 in.sq., 5 ft. high above ground,
firmly set and marked. V.Co. on W.face, L.A.Co. on E. face.
Note:Post so badly burned that I could not distinguish its number.
- 242.00 Set a flag. May 11, 1905.
- May 12:
- 242.00 At this point, at 8 a.m.,l.m.t. I set off $34^{\circ}25'$ N.on the lat.arc
and $18^{\circ}5'$ N. on the decl.arc and determine a meridian with the solar
Continue S. $86^{\circ}45'$ W. on a random line.
- 356.76 At this point I set off $18^{\circ}7'$ N. on the decl.arc and at 11h $56'13''$
a.m., l.m.t., observe the sun on the meridian. The resulting lat.is
 $34^{\circ}25'$ N., which is about the proper lat.
- 390.70 Set a flag. May 12, 1905.
- May 13:
- 490.70 At this point, at 10 a.m.,l.m.t., I set off $34^{\circ}25'$ N.on the lat.arc
and $18^{\circ}21'$ N.on the decl.arc and determine a meridian with the solar.
Thence I continue S. $86^{\circ}45'$ W. on a random line.
- 512.10 Cor.No.4, Temescal Rancho brs. N. $3^{\circ}15'$ W. 315 lks.dist. which is a
redwood post (new) painted white, 4 in.sq., 18 in.above ground,
firmly set and marked T.No.4 on W. face, S.F.R. on S. face and
C.G.P. on E. face
- 542.36 At this point I set off $18^{\circ}23'$ N. on the decl.arc and at 11h $56'$
a.m.l.m.t., observe the sun on the meridian. The resulting lat.is
 $34^{\circ}25'$ N. which is about the proper latitude.
- 625.72 Cor.No.12, Rancho San Francisco brs. N. $3^{\circ}15'$ W.385 lks.dist. The
old cor.being destroyed, I locate true point for cor.from two
bearing trees.
A cottonwood 12 in.diam. bearing S. $77^{\circ}30'$ W. 163 lks.dist.nearly
washed out.
A sycamore 10 in.diam.bearing S. $55^{\circ}30'$ W.290 lks.dist. in good
state of preservation.
At the true point for cor. I set a granite stone $36 \times 14 \times 14$ in.in
a mound of stone 7 ft.base, 30 in.high, for cor.No.12 Rancho San
Francisco, marked S.F. No.12 on S. face.
I mark bearing objects as follows:
The North side of W. pier of railroad bridge brs. S. $64^{\circ}15'$ W.
199 lks. dist. marked
B+O S.F. No. 12
The middle pier of railroad bridge brs.S. 4° E. 231 lks.dist.marked
B+O S.F. No. 12
I also remark old bearing trees
Note: The cor. is situated in the wash of the Piru Creek
May 13, 1905.
- May 15:
I then return to Cor.No.11. Thence I run S. $87^{\circ}6'$ W.on a true line
to Cor.No.12, San Francisco Rancho over gradual S. slope, through
sagebrush and wood.

Copied from W.H. Thorn's Survey of Nov.28,1904-
Jan.11,1906, furnished by the Geological Survey.

- .06 Set iron U.S. Forest Res.Bdy. Post No. 172, 30 in.in the ground,
raised mound of earth and stone 4 ft. base, 1 ft. high around
post, marked,
 No.172 on S. side of cap
 1905 on S. side of cap on rim
 Reserve in N.W. and N.E. quadrants, also marked
 W.C. in N.E. quadrant, S.F.No.11 on S.side of cap on rim
 $\frac{1}{4}$ S.in N.W. quadrant
- 1.50 Drain, course S.
8.50 Change to steep W. slope
10.50 Drain, course S. Ascend steep E. slope.
16.40 Wire fence brs. N. & S.
17.50 Top of spur brs.N. & S.
18.30 Descend W. slope
20.50 Foot of descent brs. N. & S. Thence over level land.
25.00 House brs. N. 3.50 chs. dist.
26.50 Private road brs. N. & S.
30.20 Wash 50 lks.wide, of the San Martinez and Chiquito Canyon, course S.
39.25 Leave level land, ascend S.E. slope.
49.00 Ravine 50 lks.wide, 20 ft.deep, course S.
50.20 Ravine 100 lks.wide, 50 ft.deep, course S.E.
55.50 Top of hill
64.35 Descend steep bluff brs. N. & S.
67.00 Ravine 100 lks.wide, 50 ft.deep, course S. Ascend gradual S.E.slope.
76.34 Descend steep W. slope of San Martinez Grand Canyon
80.00 Bottom of canyon brs. N. & S.
81.50 Wash 150 lks. wide, course S.
83.70 Set iron U.S. Forest Res.Bdy.Post No.173, 30 in.in the ground,
raised mound of earth 5 ft. base, 1 ft. high around post, dig pits
36x36x12 in. W. of post on line, 8 ft.dist. E. pit impracticable
marked
 No. 173 on S. side of cap
 1905 on S. side of cap on rim
 Reserve in N.E. and N.W. quadrants
 S.F. on S. side of cap on rim
 Ascend gradual S.E. slope
- 91.00 Drain, course S.E. Ascend steep E. slope of canyon
100.34 W. bank of canyon brs. N. & S. Change to gradual E. slope
111.21 Top of ridge brs. N.W. and S.E.
113.67 Top of ridge brs. N. 20° W. and S. 20° E. Descend.
120.00 Bottom of canyon course S. ascend.
130.19 Top of ridge brs. N. & S. Descend S.W. slope.
136.40 Small drain, course S.
139.17 Descend steep S.W. slope.
142.00 Ravine, 200 lks. wide, 50 ft.deep, course S.E. Ascend steep S.E.
slope.
157.88 Set Iron U.S.For.Res.Bdy.Post No.174, 30 in. in the ground;
raise mound of earth 5 ft. base 1 ft.high, around post dig pits
36x36x12 in. E. and W. of post, on line, 8 ft. dist. marked:

Copied from W.H. Thorn's Survey of Nov.28,1904-
Jan.11,1906,furnished by the Geological Survey.

No. 174 on S. side of cap
1905 on S. side of cap on rim
Reserve in N.E. and N.W. quadrants
S.F. on S. side of cap on rim

158.12 Top of ridge brs. N. 10° W. and S. 10° E.
164.90 Small drain, course S.
171.00 Ravine 50 lks. wide, 20 ft. deep, course S. 20° W.
179.00 Ravine, 50 lks. wide, 20 deep, course S.
182.00 Ravine,100 lks. wide, 30 ft. deep, course S.
Ascend
194.00 Top of spur brs. N. & S. Descend W. slope.
210.80 Small drain, course N.W.
213.00 Drain, course S.W.
218.00 Spur brs. N. & S. Descend.
219.50 Los Angeles and Ventura County line post
Intersect Corner
221.00 Drain, course S.
229.95 Small spur brs. N. & S.
235.00 Head of small drain, course S.E.
236.32 Small spur brs. N.W. and S.E.
237.50 Drain, course S.
241.51 Set iron U.S.For.Res.Bdy.Post No.175, 30 in. in the ground, raise
mound of earth 5 ft. base, 1 ft. high around post, dig pits
36x36x12 ins. E. and W. of post on line 8 ft. dist. marked

No.175 on S. side of cap
1905 on S. side of cap on rim
Reserve in N.E. and N.W. quadrants
S.F. on S. side of cap on rim

May 15,1905.

May 16:

244.50 Ravine 200 lks.wide, 50 ft. deep, course S.
249.90 Spur brs. N. & S.
255.20 Ravine 200 lks. wide, 50 ft. deep, course S.E.
Ascend gradual S.E. slope.
265.66 Top of spur brs. N.E. and S.W.
268.39 Descend steep S.W. slope.
272.00 Ravine 150 lks. wide, 30 ft. deep, course S.W.
Thence over broken S. slope.
290.00 Drain, course S.E.
292.03 Top of spur brs. N. & S.
297.03 Descend gradual S.W. slope.
304.45 Set iron U.S.For.Res.Bdy.Post No.176, 30 in. in the ground;
raise mound of earth and stone 5 ft. base, 1 ft. high around posts;
pits impracticable, marked

No.176 on side of cap
1905 on S. side of cap on rim
Reserve in N.E. and N.W. quadrants
S.F. on S. side of cap on rim

305.25 Descend S.W. slope
306.31 Change to steep S.W. slope
311.30 Change to steep N.W. slope
335.00 Drain, course S.W.
336.00 Drain, course S. Foot of 700 foot descent
337.33 Ascend S.E. slope
341.00 Top of spur brs. S.E. and N.W. Descend S.W. slope
344.00 Drain, course S.E. Ascend steep N.E. slope.

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350.85 Top of ridge brs. N.W. and S.E.
353.00 Ravine, 200 lks. wide, 50 ft. deep, course S.
356.76 Top of ridge brs. N.W. and S.E.
360.00 Drain, course S.W. Ascend.
370.00 Drain, course S.E.
373.73 Top of ridge brs. N.W. and S.E.
378.00 Drain, course S.
385.39 Top of spur brs. N.E. and S.W.
397.67 Top of ridge brs. N. & S.
397.79 Set iron U.S.For.Res.Bdy.Post No.177, 30 in.in the ground,
raise mound of earth 5 ft.base 1 ft. high, around post; pits
impracticable marked

No.177 on S. side of cap
1905 on S. side of cap on rim
Reserve in N.E. and N.W. quadrants
S.F. on S. side of cap on rim

399.54 Descend S.W. slope.
401.00 Ravine, 150 lks. wide, 40 ft. deep, course S.W.
414.69 Top of spur brs. N. & S.
420.00 Ravine, 200 lks. wide, 50 ft. deep, course S. Ascend.
426.96 Top of spur brs. N.W. and S.E.
430.00 Ravine 200 lks. wide, 50 ft. deep, course S.E. Ascend.
Top of spur brs. N. & S.
Set iron U.S.For.Res.Bdy.Post No.178, 18 in. in the ground,
raise mound of earth 8 ft. base, 2 ft. high around post; pits
impracticable, marked

No.178 on S. side of cap
1905 on S. side of cap on rim
Reserve in N.E. and N.W. quadrants
S.F. on S. side of cap on rim

Descend steep S.W. slope.
456.00 Drain, course S.E.
457.66 Top of low spur brs. N. & S.
458.00 Small drain, course S.E.
461.30 Top of low spur brs. N. & S. Descend.
462.30 Drain, course S.E.
467.00 Drain, course S.E.
470.30 Top of spur brs. N. & S. May 16, 1905.

May 17:
470.30 Continue S. 87°6' W. on a true line.
475.00 Drain, course S.E. Thence over broken S.E. slope.
490.70 Top of ridge brs. N. & S., about 3.00 chs. N. of saddle divide
Descend.
497.00 Drain, course N.W. Ascend N.E. slope.
504.94 Dim stock trail brs. N.W. and S.E.
509.94 Descend N.W. slope.
512.10 Intersect Corner No.4 Temescal Ranch, previously described
523.00 Drain, course N.W.
524.94 Over gradual N.W. slope.
540.50 Ravine 150 lks. wide, 40 ft. deep, course N.
542.36 Top of spur brs. N.E. and S.W.
Thence along broken N. slope.

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Jan.11,1906, furnished by the Geological Survey.

565.08 Thence along top of ridge.
579.17 Descend gradual W. slope.
595.00 Drain course N.
601.77 Thence along top of ridge.
605.41 Descend steep S.W. slope.
624.00 East bank of Piru Creek brs. N. & S.
624.75 Piru Creek, course S.
625.72 Corner No.12 San Francisco Rancho previously described.
Land mountainous.
Soil third rate.
Timber sagebrush.

May 17, 1905

May 18:

At corner No.4, Temescal Rancho, at 10 a.m., l.m.t.,
I set off $19^{\circ}31'$ N. on decl. arc and $34^{\circ}25'$ N. on lat. arc
and determine a meridian with the solar

Thence I run

N. $35^{\circ}00'E.$ on a random line to corner No.3, Temescal Rancho

Note: S. $87^{\circ}06' W.$ 3.18 chs. appears to be the old original corner,
which consists of a small mound of stone. I could not find post,
but mound of stone is on the S.W. slope of drain, course N.W.

This would agree with the original notes.

12.12 Post No.13, which is a cedar post painted white 4 in. sq. 18 in.
above ground, firmly set and marked T.XII on W. face and C.G.P.
on E. face. At this point I set off $19^{\circ}32'$ N. on the decl. arc
and at 11h 56'14" a.m., l.m.t., observe the sun on the meridian.
The resulting latitude is $34^{\circ}25'$ N., which is about the correct
latitude.

128.20 Ranch corner brs. S. $55^{\circ}15' k.$ s. dist., which is a redwood post,
4 in. sq., 2 ft. above ground, firmly set and marked for a line
post only.

145.36 Continue N. $35^{\circ} E.$ on a random line.
Set a flag.

May 18, 1905.