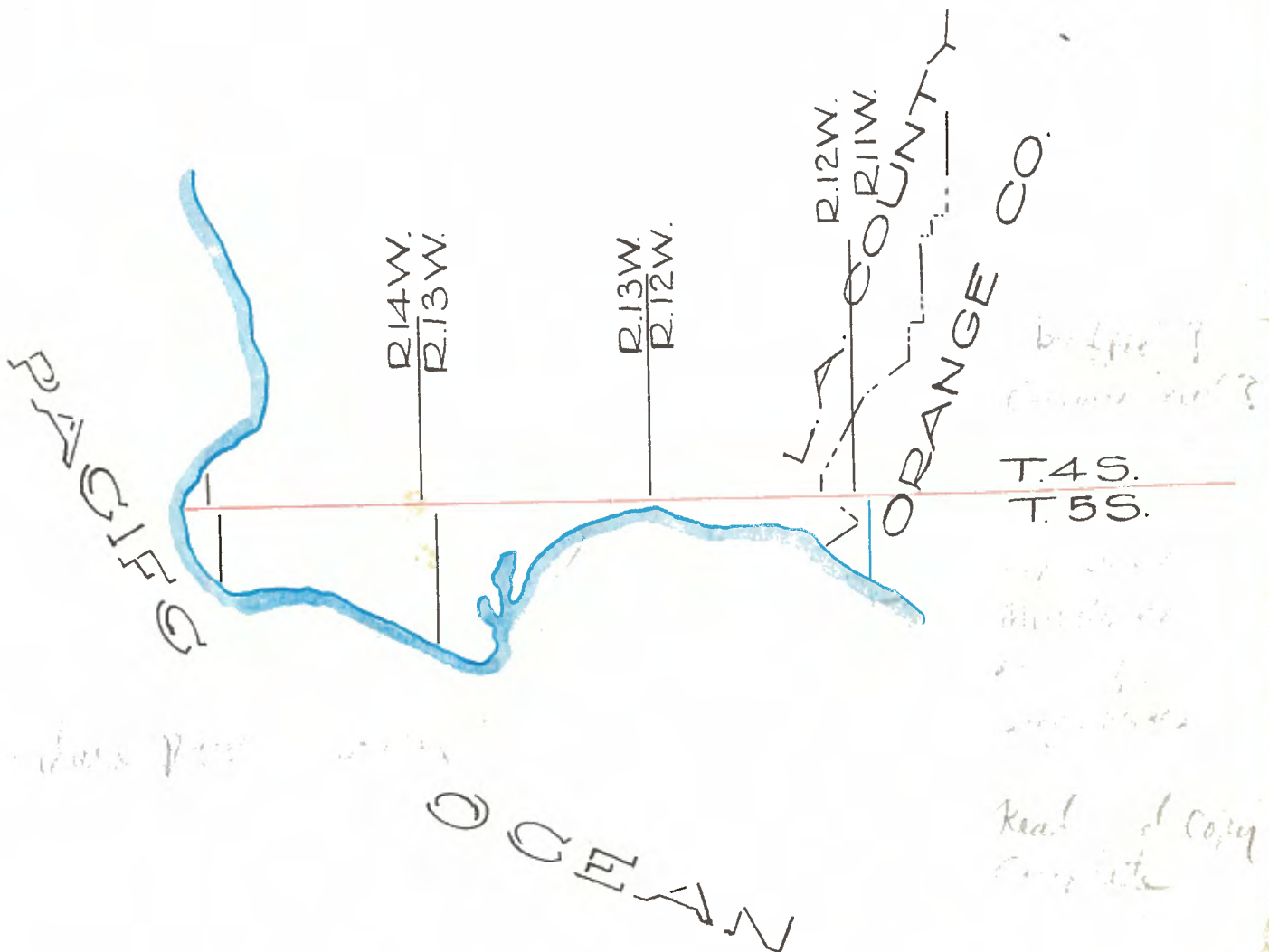


Copied from Photographic Copies
furnished by
U.S. GENERAL LAND OFFICE,
WASHINGTON, D.C.



Blue, H. Hancock - 1853

On standard parallel between Townships 4 & 5 South of the San Bernardino Base and West of the San Bernardino Meridian.

I, Henry Hancock,

U.S. Deputy Surveyor commenced the survey of the above named parallel on this 26th day of March, A.D. 1853, at the corner of Townships 4 & 5, S. on the San Bernardino Meridian as established by Col. H. Washington, and in accordance with my contract No. entered into on the 31st day of January, 1853, with Samuel D. King, Enq. U.S. Surveyor General for the State of California.

WEST. S.
in
chains.

VARIATION 13° 18'

1ST MILE.

40.00 Set $\frac{1}{4}$ Sec. post in mound from which bears a cotton wood 24 in. diam. N. 86° West distant 6.57 chains.
80.00 Set Sec. post in mound from which bears a Cottonwood 24 in. diam. S. 76 $\frac{1}{2}$ ° E. 410 links distant, Do. Do. 18 in. diam. N. 75 $\frac{1}{4}$ ° W. 11.55 chains distant, also Do. do S. 81° W. 6.36 chains dist. Soil 2nd rate. sandy loam.

2ND MILE.

10.00 Clay wash from S. and Willow thicket.
40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound from which bears a cotton wood, 12 in. diam. N. 81 $\frac{1}{2}$ ° E. distant 42 links, Do. 10 in. diam. dist 30 links N. 56 $\frac{1}{2}$ ° West. Dense willow thicket and scattering cottonwood.
50.00 Leave willow thicket and enter small cottonwood.
80.00 Set Sec. post in mound with 5 feet trench, corner of Secs. 2 and 3, T. 5 S., R. 1 W. from which bears a Cottonwood 10 in. diam. N. 42° West distant 50 links, Do. Do. 11 in. dia. N. 71 $\frac{1}{2}$ ° E. 79 links.

3RD MILE.

1.56 Cottonwood on line 10 in diam.
10.13 " " " 14 " "
10.87 " " " 16 " "
12.18 " " " 8 " "
20.43 " " " 10 " "
33.00 Edge of prairie bottom.
40.00 Set $\frac{1}{4}$ Sec. post and charred stake, from which bears a Cottonwood, 20 in. diam. N. 31° West distant 562 links, Do. Do. 14 in. diam. 331 links, N. 33
76.50 Leave bottom.
77.50 Top of bank ranging N. 39 $\frac{1}{2}$ ° W. also noll of San Jacinto Ranch.
80.00 Set Sec. post in mound from which bears E. side of San Jacinto Ranch (establishments) N. 38° West, the N. point of San Gorgonio (West) N. 79 $\frac{1}{2}$ ° E. S. point of same, S. 86° E. Soil 2nd rate bottom.

4TH MILE.

40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound.
80.00 Set Sec post and charred stake in mound cor. of Secs. 4 & 5, T. 5 S., Soil 3rd rate, sandy plain. Fir wood, 1st $\frac{1}{2}$ mile and bunch grass last $\frac{1}{2}$.

5TH MILE.

40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound.
52.50 Cross trail to Temasca & Temucula, Set Sec. post.
80.00 And charred stake in mound, cor of Secs. 5 & 6, from which bears the noll of San Jacinto Ranch N. 13 $\frac{1}{2}$ ° West, Mt. San Bernardino, N. 11 $\frac{1}{2}$ ° E. N. point of San Gorgonio, Mt. N. 81 1/5° E. S. S. 86° E. Soil 3rd rate. W $\frac{1}{2}$ of S.W. $\frac{1}{4}$ S. covered with pin grass.

WEST

6TH MILE.

Chains
Links.

40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound.
78.00 Trail, leading South.
80.00 Set Sec. post and charred stake in mound cor. of Secs. 6 & 1, Rs. 1 & 2 W., T. 5 S., N. end of needle drawn some 15° to the W. for last mile or more.
Soil 1st $\frac{1}{2}$ mile blue loam, 2nd rate, vegetation Pin Grass.

7TH MILE.

36.50 Set post and charred stake, marked S.C. as also a rock bearing from same, S. 28 W. the apparent altitude of abrupt granite range to the West of it being some 450 feet above the level of the plain, to said rock 8 links, thence on offset,

SOUTH

36.00 To offset stake, thence,

WEST

35.00 to base of pass.
44.00 To top of pass.
50.00 Leave surface rock.
58.00 Westerly base of narrow valley.
62.50 To offset stake, thence

NORTH.

36.00 To intersection with standard parallel and set stake,--from the stake the West base of the mountain ridge is East 10 chains and at 13 $\frac{1}{4}$ chains E. of intersection stake, set cottonwood stake on W. side or slope, thence,

WEST

Thursday 29th.
21.00 Set $\frac{1}{4}$ Sec. post (stone) in rock mound on S. side of small ravine.
60.00 Top of ridge.
61.00 Set Sec. post and deposited 5 flat pieces of quartz 1 by 5 and 3 in. in mound of frac. granite on S.W. side of a big rock.

9TH MILE.

1.00 Gorge of mountain.
4.00 Ridge.
10.00 Ravine on S. face of mountain.
19.50 High and rocky.

Quit work at 11 on account of having slept out over night, the pack train having taken the wrong valley, and in walking westwardly over a rough and rocky section came up with train and encamped in the valley of the Rio San Jacinto. Wednesday 30th in attempting to cross in the tree of the standard parallel to where we quit work yesterday, we found a portion of the route altogether too rough and impracticable to measure, there being a series of ravines and gulches lying at every angle around the horizon, having their sides and intervening ridges covered by an innumerable number of isolated granite boulders and detached ~~maps~~ of rocks of all sizes and scarcely a square rod of grass or anything but useless shrubbery growing on the disintegrated granite.

Thence,

I placed a flag at the station in line of the high rocky point of yesterday, and from a point due West in line, took a base to the South of 2.97 chains from which the flag bore N. 85° 35' E. & at 7.84 chains N. 78° 30' E. and found the distance from point 38.53 chains and whole distance from 9th mile stake to triangular point.

58.03 Thence,
EAST from triangular point
6.00 Base of rocky ridge.
17.96 Set $\frac{1}{4}$ Sec. post in mound 7 links West of the true point (for rock).

WEST Thence, returned to triangular point on line at 58.03 chains,
Chain^s Link^s and ran West.

WEST:
80.00 Set Sec. post and deposited 4 pieces of quartz rock in mound. Soil poor.

10TH MILE.

40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound.
80.00 Set Sec. (S.C. post and charred stake in mound of rock and earth, cor of Secs. 4 & 5
Soil 3rd rate, plain vegetation, sparse.

11TH MILE.

2.00 Ravine.
2.55 Bluff of same.
5.00 At this point a local attraction which has drawn the N. end of the needle from 5 chains W. of Cor. of Secs. 3 & 4 some 18' to the eastward (or rocky range on east of this plain) begins to disappear; and at 10 chains to the W. of cor. of Secs. 4 & 5, disappears altogether. This fact I have ascertained by frequent and accurate observations of well known objects on the rocky ridges lying on the E. and W. side of this plain.
17.56 Base of rocky ridge and set stake and stones from which bears a big boulder 31 feet in diam. and 14 high, S. 25° West dist. 57 links, situated in a bed of disintegrated granite; also white streak of fractional rock 18 feet high and 10 square, 89 links, thence,

SOUTH
16.00 Gulch.
17.50 Bluff of same.
23.50 Rocky point.
26.50 Ravine.
28.00 2nd Rocky point.
38.75 Cross ravine 300 links wide.
40.00 Gulch.
41.00 Rocky bluff.
76.75 Gulch up to this point over broken granite ledge on Range N. 78° West and nearly vertical; being inclined some 8 in. to zenith, making a descent in all to Valley some 250 feet, levelling in ravines places to every 10 links of the chain.
80.50 Edge of high point of Valley over rocky ridges.
84.50 Across same (Valley).
93.00 Side of rocky point from which bears sight rock on top of mountain, N. 9° 20' W. also mountain on S. end of plain, S. 28 $\frac{1}{2}$ ° W., thence,

WEST
6.50 East side of Valley.
22.44 Opp. point for $\frac{1}{4}$ Sec. Post.
44.00 West side of Valley.
50.00 Rocky spur.
55.00 Leave rocks.
62.44 Opp. point for Cor. of Secs. 5 & 6.

12TH MILE.

142.44 Over barren undulating slope of mountain base to offset corner, a cedar post marked with dist. on two faces and opp. to Cor. of Secs. 6 & 1, Ranges 2 & 3 W., T. 5 S., from which bears the mountain on South side of San Jacinto plain S. 20 $\frac{1}{2}$ ° E. thence,

NORTH
93.00 To post and 2 pieces of Quartz rock in mound cor. of Secs. 6 & 1, T. 5 S., Ranges 2 & 3, West. last 30 chains over rough soil, whole line, 3rd rate, from this corner measure 3 chains to top of isolated ridges due East and at 11 chains, 10 links set stake and stones at base of mountain, due East of Township corner.

WEST.

Chain^s.
Links

13TH MILE.

- 0.70 Centre of ravine, 15 ft. below corner.
35.00 Barren swale.
40.00 Set $\frac{1}{4}$ sec. post and charred bits in mound on ridge. April 1st Thursday for the last 2 nights it has been too foggy to take the Meridian but assume $13^{\circ} 18'$
78.00 Base of rocky or rattlesnake hill.
80.00 Set dogwood stake, mound of rock, cor. of Secs. 1 and 2, W. from which at 34 links distant there is a granite boulder 10 ft. diam. at 100 links another 25 ft. high and 30 long.

2.50

14TH MILE.

- Top of Rattlesnake ridge.
11.00 Bottom or plain of Rio San Jacinto.
40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound.
80.00 Set Sec. post and charred stake in mound, cor. of Secs. 2 & 3, T. 5 S., R. 3 W.

40.00

15TH MILE.

- Set $\frac{1}{4}$ Sec. post and charred stake in mound.
80.00 Set sec. post and charred stake in mound, cor. of Secs. 3 & 4, Soil 3rd rate.

16TH MILE.

- 40.00 Set $\frac{1}{4}$ sec. post and charred stake in mound.
54.87 Rio San Jacinto, course S. 36° West
55.87 Across San Jacinto.
80.00 Set post (Sec.) and charred stake in mound cor. Secs. 4 & 5, Soil 3rd rate.

17TH MILE.

- 40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound.
80.00 Set Sec. post and charred stake in mound cor. of Secs. 5 & 6, Soil 3rd rate. Pin grass.

18TH MILE.

- 35.00 Road to Temascal or Temecula.
40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound.
43.00 Base of rocky hills.
80.00 Set post and charred stake in mound cor. of Secs. 6 & 1, Soil worthless.

19TH MILE.

- Too cloudy to see San Bernardino.
2.50 Top of hill.
13.00 Ravine.
17.00 Ridge.
25.40 Ravine.
27.57 Top of hill.
40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound.
53.00 Ravine.
67.50 Top of rise.
80.00 Set Sec. post & charred stake in mound, corner of Secs. 1 & 2, Soil barren.

20TH MILE.

- 40.00 Set post and charred stake in mound on slope to undulating plain, small run.
75.00 For water in time of rise.
80.00 Set post (Sec.) and charred stake cor. of Secs. 2 & 3, San Bernardino bears N $40\frac{1}{2}^{\circ}$ E.

WEST:

21ST MILE.

Chain Links.

22.50 To top of same and commencement of slate range.
 35.00 Top of 2nd.
 40.00 Set $\frac{1}{4}$ Sec. post and deposit rock $\frac{1}{2}$ slate and $\frac{1}{2}$ feldspar 5 by 3 in.
 80.00 Set post and charred stake in mound, corner of Secs. 3 and 4.

22ND MILE.

8.00 Base of mountain.
 10.00 Spur of mountain.
 14.00 Gulch.
 18.00 Mountain Spur.
 29.00 Gulch.
 31.53 Gulch.
 34.75 Gulch.
 40.00 Set $\frac{1}{4}$ Sec. post and charred stake in stone mound near top of mountain spur.
 N. end of needle drawn West 1° .
 42.00 Top of ridge or spur.
 51.50 Gulch, attraction $1\frac{1}{2}^{\circ}$
 57.50 Top of spur, attraction 2°
 61.75 Gulch.
 67.00 Top of ridge, attraction $2\frac{1}{2}^{\circ}$.
 78.00 Top of flat, stony point, attraction 3° .
 80.00 Set Sec. post and charred sycamore and placed 4 rocks 18 in. long, each in line of Pitts, cor. of Secs. 4 & 5.

23RD MILE.

3.00 Gulch.
 6.00 Ridge.
 7.50 Small gulch.
 10.75 Ridge.
 13.00 Ravine.
 19.00 Top of hillock.
 30.00 Top of hill.
 40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound of rock and earth.
 41.50 Gulch.
 46.00 Gulch.
 53.00 Top of ridge.
 67.50 Gulch or ravine.
 80.00 Set Sec. post and charred stake in mound, cor of Secs. 5 & 6.

24TH MILE.

5.00 Plain of Mosquit and rock.
 35.00 Rocky hill.
 37.00 Top of rocky hill.
 40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound of rock from which bears a granite boulder 12 feet high and 10 feet through, East.
 53.00 Dry arroyo, taking North.
 80.00 Set township post and charred stake in mound of earth and rock 20 links East of true corner on E. side of ravine, with trench and pits on N. S. & E. sides.
 Series of small gulches making N. some 8 and 10 feet deep to ravine or dry arroyo, 20 links wide, ranging S. 44° E. over a cragged slate rock bed and descending some 800 or 1000 feet to the low plain of Temascal.

NORTH

Variation 13° $18'$.

From corner of T.s. 5 S., R.s. 4 & 5 West, and between Township $\frac{1}{4}$ S.

4.50 Top of rise.
 6.50 Ravine.
 10.00 Top of ridge, (local attraction $\frac{3}{4}^{\circ}$ E.)

WEST:

Chains Links
Links.

- 18.50 Gulch.
30.00 N. end of needle drawn $1\frac{1}{2}$ E.
40.00 Set $\frac{1}{4}$ Sec.post and charred stake in mound cor.between Secs.31 & 36.
50.00 To top of semicircular noll.
57.50 Ravine.
65.00 Top of rocky ridge.
72.50 Ravine.
80.00 Set Sec.post and charred stake in mound cor.of Secs. 25, 30, 31, and 36, Soil red, rocky and barren with chaparral.
- 1.00 Dry arroyo 10 links wide.
10.00 Leave same to the West.
35.50 Dry arroyo 15 links wide, crossing at right angles.
40.00 Set $\frac{1}{4}$ Sec.post in mound.
52.00 Top of rocky hill.
53.00 Head of same.
61.00 Across arroyo.
80.00 Set Sec.post and charred stake in mound cor.of Secs.19, 24, 25, and 30, Soil barren with dense chaparral.
- 8.00 Arroyo.
19.00 Base of rocky hill.
21.00 Side of same.
23.30 North base of same.
38.00 Top of Sienite rise.
40.00 Set $\frac{1}{4}$ Sec.post and charred stake in mound.
45.60 Top of ridge.
50.00 North base of ridge.
53.00 Dry arroyo 5 links over, course E.
57.50 Base of rocky point.
60.00 Rocky point or conical rock, leaning E. 20 feet high.
77.50 Break of ravine.
80.00 Set Sec.post and charred stake in mound on N.side of ravine, cor. of Secs.13, 18, 19, and 24, Ts. 4 S., Rs. 4 & 5 W. Soil poor and covered with Mesquite, at some 30 chains to the West there is a spring of water situated at the head of a rocky canon taking northwardly, and it is thought that possibly water may be found in small quantities, throughout the year by digging. High, rocky descending plain opening to the North.
- Chain stretched $\frac{1}{2}$ an inch and allow for the same Variation $13^{\circ} 18'$.
4.00 Top of rocky rise.
18.00 Ravine.
27.25 Top of rocky pinnacle.
40.00 Set $\frac{1}{4}$ Sec.post and charred stake in rock mound on W.side of big rock 11 ft.by 6 in height.
55.00 North base of rocky pinnacle.
59.00 Deep ravine.
63.00 Gulch.
65.00 Gulch.
80.00 Set Sec.Cedar post and charred stake in mound in small dry swale of the undulating base of the point of the mountain to the E.cor. of Secs. 7, 12, 13, and 18, Ts.4 S., Rs. 4 & 5 W.
- 5.75 Small dry arroyo.
10.50 Ridge of mountain slope.
11.50 South side of dry swale, ranging E. and W.
23.00 Indian trail to San Jacinto.
38.50 Top of
40.00 Set Sec.post (cedar) and charred stake in mound.

NORTH:

Chain^s.
Links.

42.50 Break of low patch.
55.00 Base of slate range hill.
60.00 Top of slate range hill.
64.00 Base.
66.50 Top of E.slope of ridge.
80.00 Set Sec.post and charred stake in mound on N.side of ridge, cor.
of Secs. 1,6,7, and 12, Ts. 4 R. 4 & 5, W. (Pitts on N.and W.
side only).

4.50 To Gulch.
16.50 Top of hill.
22.50 Ravine.
25.50 Ravine.
28.00 Gulch 15 ft. deep.
39.00 Top of ridge.
40.00 Set $\frac{1}{4}$ Sec.post and charred stake in mound, soil poor.
44.00 Commencement of parched swale.
48.00 End of same.
49.00 Ridge.
60.00 Dry swale or canada of Elder and Willow.
74.00 Arroyo, 6 links over.
80.00 Set cedar Sect.post and charred stake in mound from which bears
an Elder 10 in.diam. S.36 $\frac{1}{2}$ ° West dist. 852 links cor.of Ts. 3 &
4, S., Rs. 4 & 5 W. High peak of Temascal Mt.bears S.50 $\frac{1}{4}$ ° W. Do
of Santa Anna S.42° W. Timber of Santa Ana, S.of Temascal Ranch
S.31° W.

WEST On standard parallel, at this time on offset between Ts. 3 & 4 S.,
3.00 Ravine.
15.50 Across Arroyo 8 links wide.
33.00 Ravine running South.
39.00 Dry swale.
40.00 Set $\frac{1}{4}$ Sec.post and charred stake in mound.
43.50 Across swale.
80.00 Set Sec.post and charred stake in mound corner of Secs. 1 & 2,
Undulating plain, facing South and covered with wild sage.
(This corner is situated in a ravine making S.)

26TH MILE.

6.00 Gulch 20 feet deep.
17.50 Gulch 30 feet deep.
20.00 Top of ridge.
24.50 Gulch 15 ft.deep.
40.00 Set $\frac{1}{4}$ Sec. and charred stake.
43.00 Rocky ravine.
49.50 West Bluff of ravine.
68.00 Flat ravine or dry swale, ranging N.45° E.
75.00 Across flat ravine through, in time of rain crosses a stream some
20 links wide.
80.00 Set Sec. post and charred stake in mound of rock and earth.
Pits shallow, soil poor.

27TH MILE.

15.00 Bank of ravine, ranging N.E.
16.50 Centre near head.
19.50 Branch of same.
23.50 West bank.
35.00 Top of ridge, sloping S.
39.50 Gulch 10 ft.deep.
40.00 Set $\frac{1}{4}$ Sec.post and charred stake in mound from which bears a
mountain cedar 11 in. diam. S. 37 $\frac{1}{2}$ ° W. 59 links dist. Do.Do.
3 in.diam. N 53° W. 52 links dist.
41.00 Gulch 15 ft.deep.
50.00 Top of southerly slope.

WEST
chain^{links}.
Link^{links}.

55.50 Ravine or Gulch 10 ft. deep.
60.00 Ravine ranging S. 45° E.
60.50 Across the same.
80.00 Set Sec. post and charred stake in mound cor. of Secs. 3 & 4, Soil for last ½ mile 3 rd rate with scattering cedar in ravines.

28TH MILE.

9.00 Top of hill.
24.50 Ravine.
33.50 Top of rise.
38.00 Gulch, crossing at right angles 12 ft. deep.
40.00 Set ¼ Sec. post and charred stake in mound.
75.00 Side of small hill, sloping North.
80.00 Set Sec. post, Cedar in mound with charred stake, cor. of Secs. 4 & 5, Soil poor.

29TH MILE.

7.50 Ravine.
14.50 Ravine same course N.
15.00 W. side of same.
33.50 Slope of hill.
40.00 Set ¼ Sec. post and charred stake in mound.
80.00 Set Sec. post and charred stake in mound cor of Secs. 5 & 6,

30TH MILE.

2.00 Gulch or dry slough 20 links over and 10 feet deep, ranging N.W. from the foot hills of Temascal Mountain and hills of Guapa.
15.00 To hill.
17.00 To rise of hill on N. side of base.
36.50 Wagon trail crossing at right angles.
40.00 Set ¼ Sec. post and charred stake in mound.
80.00 Set Sec. post (Sycamore) and charred stake in mound, cor of Secs. 1 & 6, Soil 3rd rate.

31ST MILE.

13.50 Ravine 18 ft. deep taking N. for the valley of Rio Santa Anna.
14.50 Over same.
15.00 Base of rise.
22.00 Gulch 12 ft. deep.
22.50 Over gulch, foot hill of Guapa and Gulch ranging N. 35° W.
35.00 Ravine or Gulch.
40.00 Set ¼ Sec. post and charred stake in mound of rock and earth.
44.50 Top of hill.
54.00 Narrow swale.
57.50 Centre of hill.
63.50 West base of dry swale.
72.00 Base of hill.
80.00 Set post and charred stake in mound on high hill, Soil barren.

32ND MILE.

2.50 Top of hill.
16.50 Gulch running West.
22.00 "
26.00 "
30.00 "
37.00 Leave gulch at foot of hill.
40.00 Set ¼ Sec. post and charred stake in mound.
63.50 Old Indian or Cattle trail.
64.00 Cross Arroyo, 6 links wide.
72.00 Old trail.
73.50 Base of hill.
80.00 Set post and charred stake in mound. Soil poor--plain.

WEST^{ns.}
chain^{links.}
Link^{s.}

33RD MILE.

15.00 Base of hill.
19.50 Top of hill.
23.50 Base of hill.
38.00 Top of hill.
40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound.
62.00 Top of hill on W. side of undulating Basin.
80.00 Set Sec. post (Sycamore) and charred stake in mound.

34TH MILE.

2.00 Deep Gulley.
10.00 Deep Gulley.
15.00 Deep ravine.
23.00 West base of same.
30.50 Deep mountain, Gulch, taking E.
40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound, of rock, within 9 links of large blue boulder.
40.30 Large rock.
42.00 Top of ridge sloping Southwardly and ranging N. 3° E. bearing to buildings at Guapa N. $38\frac{1}{2}^{\circ}$ W. - from this looking South Easterly towards the Valley between the mountains of Santa Anna and Temasca, appears a narrow broken valley, with some 3 or 4 small patches of timber in low places (canadas).
57.50 Deep ravine.
59.00 " "
64.00 " " and leave same.
80.00, Set Sec. post and charred stake in mound cor. of Secs. 4 & 5, Soil 3rd rate.

35TH MILE.

3.00 Gravelly bottom.
7.75 Bearing to mouth of Canon S. $4\frac{1}{2}^{\circ}$ W. to present bed of stream.
16.60 Water.
17.20 Across same.
18.35 Bearing to mouth of canon.
18.50 Bed of river.
21.50 Foot of bluff.
26.50 Top of bluff.
29.00 Bluff.
33.50 Centre and over gulch.
40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound.
41.50 Top of slope of hill.
48.00 Gulch or ravine.
50.00 Top of slope to the North.
53.00 Average course of Arroyo, N. 62° W. to end of water in same, N. 41° E.
64.00 Ravine running North.
80.00 Set Sec. post and charred stake in mound cor. of Secs. 5 & 6, N., end of Mountain N.E. of Esq. Reaubedeau's bears N. 33° E.

36TH MILE.

40.00 Set $\frac{1}{4}$ Sec. post (Dogwood) and charred stake in mound.
80.00 Set Sec. post and charred stake in mound, corner of Ts. 4 S., Rs. 6 & 7 West.

37TH MILE.

27.50 Enter chaparral.
32.50 Dry arroyo about 30 links wide and running nearly North.
40.00 Set $\frac{1}{4}$ Sec. cor. Dogwood post and charred stake.
44.50 Trail and Dry Arroyo, course N.
48.50 " "
49.50 Across bed of Dry Arroyo.
61.00 Chaparral.
80.00 Set Sec. post and charred stake in mound, cor of Secs. 1 & 2, soil gravelly.

WEST:

chain^{s.}
links.

38TH MILE.

- 40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound.
- 48.50 Across road ranging N. 57° West.
- 66.00 Gulch 5 ft. deep.
- 68.75 Across same.
- 80.00 Set Elder post (Sec.) and charred stake in mound S.C. & Cor. of Secs. 2 & 3, T. 4 S., R. 7 W. Soil 3rd rate.

39TH MILE.

- 12.85 Bank of Arroyo (with loose scattering timber) 5 ft. deep, course N. 10° E.
- 18.50 Across gulch 4 ft. deep and 10 links wide.
- 40.00 Set $\frac{1}{4}$ Sec. post from which bears an Elder 10 in. diam. N. $52\frac{1}{2}^{\circ}$ E. dist 158 links.
10 in. Diam. N. 25° West 224 links distant, and ranch house of Los Yerbos bears N. 31° W.
A point of land apparently at junction of Rio and dry bed of Arroyo from between Temascal and Santa Anna Mts. N. $12\frac{1}{4}^{\circ}$ West.
- 53.25 Top of bank of Arroyo.
- 66.50 Across gulch 25 ft. deep.
- 68.50 West side of same.
- 80.00 Set Sec. post and 2 red rocks in mound, cor. of Secs. 3 & 4, T. 4 S., R. 7 W., Soil 3rd rate prairie.

40TH MILE.

- 4.25 Bank of gulch 50 ft. deep.
- 6.50 Across W. bank of same.
- 7.00 Bank of gulch, ranging N.
- 8.75 Centre of same.
- 14.50 Top of mountain ridge or spur sloping north.
- 18.50 To Bench.
- 24.25 Bank of mountain gulch or arroyo Ranch house of Las Gorgas bears from this point N. $31\frac{1}{2}^{\circ}$ West and is situated on the N. bank of the Santa Anna river. A point of land opposite the junction of Arroyo and river bears N. 1° E. and hill of Guapa N. $28\frac{1}{2}^{\circ}$ E.
- 27.50 Centre of gully.
- 29.00 Ridge.
- 31.00 Arroyo.
- 34.00 Across broad mountain gulch and set stake and stones at base of mountain of Santa Anna, from which bears a Red Oak 8 in. diam., S. 9° W. dist 145 links and a Sycamore 7 in. diam N. $80\frac{1}{2}^{\circ}$ E. dist 247 links.

- NORTH: From the cor. of Secs. 3 & 4, T. 4 S., (or commencement of 40th mile West) R. 7 W. or 39th mile Standard corner from which corner Mt. San Bernardino bears N. $64\frac{1}{2}^{\circ}$ E.
- 80.00 On even slope of the mountain base and set 14 in. stake (offset).

WEST:

- 4.13 To gulch.
- 40.00 Along undulating mountain base.
- 52.00 Arroyo (dry).
- 55.00 Across same.
- 58.83 Gulch.
- 80.00 Opp. 40th and on top of ridge. Set stake 14 in. long.

41ST MILE.

- 11.50 Into ravine.
- 17.50 Top of slope.
- 20.50 Across ravine.
- 24.00 Ridge.
- 40.00 Opp. $\frac{1}{4}$ Sec. Station - good pasturage.
- 42.00 Ravine.
- 51.00 Top of northerly slope of hill.
- 52.50 Ravine.
- 57.50 Bank of Mountain gulch.
- 60.50 Center of Do. Do.

WEST:

chains
Link

66.50 West bank of another.
71.00 Centre of gulch.
75.50 Ridge.
80.00 Opp.to 41st mile station- Set stake on S.slope of hill (high).

42ND MILE.

6.00 Arroyo leading to river.
8.00 West bank of same.
12.50 Offset to North on account of an abrupt and deep ravine, making from the mountain.

NORTH:

18.00 Arroyo (dry)
19.00 Across arroyo.
32.00 Set offset stake.

WEST:

4.50 Arroyo.
8.50 Across the same.
20.00 Bank.
27.50 Gulch.
40.00 Set stake opp. $\frac{1}{4}$ sec. cor. of S.P.
41.00 Gulch.
64.00 Gulch or dry arroyo.
67.50 Opp. 42 S.C.
80.00 Set stake.
6.50 Bluff on river Santa Anna.
9.00 Bottom of river Santa Anna
15.00 Set stake about 19 chains from the river.

SOUTH:

5.10 To river bank ranging for $\frac{1}{2}$ mile N. & S.
20.42 To opposite bank over dry sand of river bed, river running from this point S.50° W.
31.50 Across bottom.
35.00 Mountain base.

WEST:

8.25 Mountain gulch 25 ft. deep.
9.00 Across same.
10.00 Bank of river bottom.
11.00 Bottom.
13.00 2nd bottom.
16.00 Water.
20.00 Across.
25.00 Bluff on N. side of river.
31.50 Top of same.
45.00 Top of ridge.
52.50 Opp. 43 S.C.
54.00 First bank.
61.00 Second bank of Santa Anna River bottom.
68.75 Marked willow tree on bank of river, not being able to chain across I went forward to opposite bank due West in line and ran a base line South, taking angles to the Willow tree as follows:

At 2.18 chains N.41 $\frac{1}{2}$ ° E. at 4.36 chs. N.25° E. and from calculation made the distance 2.04 chains.

WEST s.
Chain
Link.

70.79 At angle station, opp.bank of river.
71.29 Willow bottom.
x 74.00 Opp. 43rd mile ← 21.50 in excess.
107.50
74.00
181.50
W.of pt.opp.41st M.

44TH MILE.

76.79 Ascend 2nd bench--Willows.
x 21.50 in excess.
95.79 West of the 42nd Mile, dense willow thicket.
120.79 Bottom land.
141.79 2nd Bottom.
150.49 To river again, Offset - South - Thence

SOUTH:
10.00 To stake, making whole southing to this Station equal to 45 chains,-
thence

WEST:
1.50 Enter gulch.
5.25 West bank of same.
8.50 Top of ridge, making a dist of 158.99 chas. West of the 42nd Mile- thence,

SOUTH:
17.00 To mountain spur.
20.00 To ravine.
27.50 Lateral ridge.
29.50 Top of ridge.
37.00 Top of higher ridge.
42.75 Abrupt point, finding it impracticable to chain across, I went South
in line and ran a base East and took angles to a flag at last
station, as follows:

At 2.00 chains N.10° W.-at 4 chains N. 20 W.-and from calculation
found the distance 11.31 chains.
54.06 Angular point which added to 45.00 chains, the dist. to last Station
makes 99.06 chains, thence,

WEST:
11.25 Ravine.
44.50 Plain.
48.50 Bank of sandy arroyo.
51.00 Across same.
55.50 To Bluff.
60.00 Top of bluff.
65.00 Head of gulch.
72.00 Top of ridge.
73.50 West slope of ridge, - At this point, finding it too rough to measure,
I take a base to the South, and on it at 3.00 chains find the bearing
to a flag which I have sent to a point due West in line on a ridge,
N.81° W. and at 6.00 chas. find bearing N.74° W. and from calculation
find distance 20.90 chains.
94.40 Ridge-Again proceed to a point on another ridge, due West of flag at
last angular point, from which point I take a base to South and at
2.50 chas. find the flag to bear N.86° East and at 5.50 chas. South,
N.81° E. also at 5.90 chas. N. 80½° E. and from calculation find the
last dist 35.49 chas., thence,
129.89 To 2nd ridge or 2nd angular point.
161.00 To height.
174.39 To bottom.
177.39 To arroyo, 20 links wide.
179.89 To Ridge.
189.89 To offset stake, which added to 158.99 chas. makes 348.88 chas. West

SOUTH s.

Chain
Line

of 42nd mile.

SOUTH:

1.00 Ravine.
12.50 Ravine.
18.00 Hill.
25.50 Foot of hill.
35.00 2nd bench end.
51.50 Top of hill.
60.00 Ravine.
89.50 Top of pinnacle hill, finding it too abrupt to measure, commence by sending a flag to a point on an other hill, due South of last Station, I take a base to the West, upon which, at 2.50 chas. the flag bears S. 6° E. at 4.50 chas. S 10° 35' E. and at 8.00 chas. S. 18° 25' E. and from calculation find the distance to angular point to be 24.05 chas., thence,
113.55 hill
121.05 To Gulch.
123.55 Across trail, course N. 34° E.
125.55 Top of rise.
130.55 West slope of ridge.
132.55 Ravine.
139.05 Top of high ridge, ranging N. & S.
152.05 First sand stone, gulch, ranging East.
153.55 High point of rock.
156.80 Deep sand stone gulch.
175.55 Mouth of ravine and bottom of canon ranging S. 45° West from the height of land between the Santa Anna River and Bay, some few Sycamore and Oak but no water or grass of any account, adjacent hills mostly covered with wild sage.
182.05 Leave sage and enter grass.
185.55 Cross old trail.
194.55 Across bottom.
201.05 Sandy ridge.
211.05 2nd canon and dry sandy arroyo, 20 links wide.
224.05 Ravine.
229.05 Rise.
234.55 Gulch of red conglomerated rock.
236.05 Rise.
238.05 Deep gulch.
247.05 High point.
249.55 South side of same.
268.55 Deep gulch.
284.55 Deep gulley.
306.05 Top of very high hill.
308.95 Limestone Bluff.
313.55 Ridge.
318.55 Gulch.
321.55 Slope.
335.55 Bluff of gulch.
344.55 Deep craggy mountain ravine.
350.05 South bluff of ravine.
352.55 Ridge running to Rio.
357.80 Ravine.
361.05 Perpendicular bluff of a tributary of the Santa Anna River.
361.55 Across water, running at the rate of 7 miles per hour and 8 inches deep.
370.05 Timber trail to mountain.
377.80 Leave bottom.
381.55 Mouth of ravine.
384.05 Slope of ridge.
387.55 Gulch.
391.55 Gulch on slope of ridge.
394.55 Gulch on slope of ridge.
396.55 " " " " "

0 chain²
Links.
Links.

SOUTH:

399.05 Ridge.
407.55 Sage ridge.
432.05 Ridge.
433.55 Ravine.
437.05 West slope of ridge.
442.05 Gulch.
450.05 Ravine.
461.55 Top of hill.
468.80 Gulch.
470.05 do
477.55 do
492.94 To intersection stake on true standard parallel chains W. of the $\frac{1}{4}$ Sec. stake on northern boundary of Sec. 5, T. 5 S., R. 8 W., and by adding 99.06 chains, the distance up to last offset, we have

592.00 to same of southing, the amount of northing having been in all one township and 112 chains - 592 chas.
Therefore this intersection is with the original standard parallel (produced)
Westing up to 42nd mile amounts to 3 miles plus $\frac{80}{616.38}$ chas.
 $\frac{7}{56.38}$ chas.
and 7 miles 56.38 chains West of the 39th mile, brings the point of intersection 4 miles 56.38 chains into range 8 W. or 16.38 chas. W. of the $\frac{1}{4}$ Sec. Cor. on Northern boundary of Sec. 35, T. 5 S., R. 8 W.

From intersection of offset with the Standard Parallel four townships South of the San Bernardino Base, on West side of the Santa Anna or Santa Anna or San Juan Mountains to the West base of same same from intersection on Northern boundary of Sec. 5, T. 5 S., R. 8 W.

EAST

47TH MILE.

5.00 To bank of ravine.
6.50 Center of ravine.
14.00 Top of hill.
16.28 Set $\frac{1}{4}$ Sec. post and charred stake in mound on Northern boundary of Sec. 35, T. 5 S., R. 8 W.
16.63 Reef of rocks.
24.00 Gulch on ravine.
36.28 Across trail on rise.
37.00 Gulch.
41.28 Top of southerly slope of the hill.
43.78 Ravine.
56.28 Set S.C. Sec. post and charred stake in mound cor of Secs. 4 & 5, T. 5 S., R. 8 W.,
Soil 2nd rate.

46TH MILE.

7.50 Break of hill for Valley.
23.50 Cross ravine.
33.50 Bottom to bed of dry arroyo.
35.50 Obliquely across same.
37.50 Cross trail.
40.00 Set $\frac{1}{4}$ Sec. post and 3 rubble rock in mound.
45.00 Across Arroyo bottom.
52.00 Ridge.
55.00 Bottom land of a tributary of the Rio Santa Anna.

chains.
Links.

EAST:

80.00 Set S.C.Sec.post and 3 rubble rock in mound cor.of Secs.3 & 4,
vegetation light.
Soil 2nd rate.

45TH MILE.

15.50 Gravelly bed of river.
40.00 Set $\frac{1}{4}$ Sec.post and charred stake in witness mound South 32 links
from corner for gally.
80.00 Set S.C.Sec.post and 3 rubble rock in mound cor.of Secs. 2 & 3, T.
5 S., R. 8 W., Soil poor chaparral and caotrici.

44TH MILE.

27.90 Sycamore 9 in.diam.
40.00 Set $\frac{1}{4}$ Sec.post from which bears a Sycamore 14 in.diam. S.33° E.dis-
tant 38 links, also one 12 in.diam S.25° W.distant 23 links.
Soil 3rd rate.
40.50 Rooy bed of river.
45.00 Water.
45.50 Across same - size same as yesterday, course North.
53.00 Arroyo and water 8 links wide.
54.00 Across same.
56.00 Bottom.
61.50 Cross arroyo or creek again, course S. 41° W.
66.00 Across little bottom.
80.00 Set S.C.Sec.Cor.post and 2 fractured rocks 9 by 6 inches in mound,
cor.of Secs. 1 & 2, T. 5 S., R. 8 W.,

LAST PART OF 43RD MILE.

30.00 Top of high ridge or mountain spur.
40.00 Set $\frac{1}{4}$ Sec.post and charred stake in rock
mound.
43.50 Set post marked S.P.in a square rock mound of 3 ft.base and 2 ft.
high on easterly slope of an impassable ravine in the immediate vicinity
of series of high and broken mountain ranges of sandstone rock, having
the general direction of S.28 $\frac{1}{2}$ ° E.

WEST From the intersection stake of offset line on S.P.16.38 chains West
of the $\frac{1}{4}$ Sec.cor.on the northern boundary of Sec. 35, T. 5 S., R.8 W.
3.12 Gulch
14.50 Over point of ridge to same.
15.50 Trail along gulch.
23.50 Top of ridge.
23.72 Set Sec.post and 2 small limestone rocks 3 in.diam in mound, cor of
Secs. 5 & 6, T. 5 S., R. 8 W.-- Soil for last $\frac{1}{2}$ mile 1st rate prairie.

43TH MILE.

4.50 Across gully.
8.50 Ridge.
13.50 Gully
28.50 Mountain spur, - from this station a high point of Santa Anna
Mountain bears S.71° E.
35.00 Across ravine.
37.00 Across ravine.
40.00 Set $\frac{1}{4}$ Sec.post and deposited 3 red and 1 white piece of quartz 3
inches diam. in mound
45.00 Gulley.
47.00 Ridge.
57.00 Gulley.ridge.
60.00 Top of ridge.
63.00 Centre of ravine.
70.00 Top of northern slope of high ridge.
75.00 Base.
80.00 Set S.C.Township cor.post and 4 small rocks 2 by 3 in. diam in mound
cor. of T. 5 S., Rs. 8 & 9,
Soil 3rd rate, prairie--wild sage.

WEST:
Chain^{5.1k}.
Link^{5.1k}.

49TH MILE.

- 5.50 Gulch running from little Valley South and very little water 30 feet deep and 75 links wide.
8.25 Branch of gulch.
11.00 Base of hill.
24.75 Top of hill.
30.00 Cross gulley.
36.50 Ridge.
39.75 Across gulley.
40.00 Set $\frac{1}{4}$ Sec.post and deposited 3 limestone rocks 3 by 5 inches in mound on the East side of ridge.
44.50 Top of ridge.
48.50 Gulch.
59.00 Bank of ravine.
68.20 Ravine or gulch.
80.00 Set Sec.post and deposited a sandstone rock 6 by 6 inches in mound, as S.C. & Cor.of Secs. 1 & 2, R. 9 W., T.5 S.

50TH MILE.

- 1.50 Gulch 20 ft.deep.
14.50 Do.
40.00 Set $\frac{1}{4}$ Sec.post and rock 5 by 4 inches, with other smaller ones in mound.
44.00 Centre of gulch.
46.50 To trail.
67.00 To gulley.
80.00 Set S.C.Sec.post & 3 dark scovia rock in mound, cor of Secs. 2 & 3 from which the West point of the Island Santa Cataline bears S.65° W. Gap in same Island S. 60° W.and South point of Island S.57° W. Soil 3rd rate, Cactria and Wild sage.

51ST MILE.

- 20.00 Valley of the Coast.
31.00 Trail crossing at right angles.
40.00 Set $\frac{1}{4}$ Sec.post and 2 round rocks, 4 in. diam.in mound,from which bears the rancho San Joaquin,belonging to Don Jose Sepulveda, S.10° 45' W.

Variation 13°15'

- 58.50 Arroyo setting S.52 West.
62.00 Trail leading to San Joaquin ranch, course S.10° 45' W.
80.00 Set. S.C.Sec. post and charred stake in mound, cor.of Secs. 3 & 4, S. Twp. 5, S., R. 9 W., Soil 3rd rate and pebbly.

52ND MILE.

- 19.00 Cross wagon trail, course S10°W.
40.00 Set $\frac{1}{4}$ Sec.post and charred stake in mound
67.50 Enter belt of cactrice and scattering shrubbery.
80.00 Set S.C.Sec.post and charred stake in mound, amongst cactrice, cor.of Secs. 4 & 5, T. 5 S., R. 9 W., Soil poor.

53RD MILE.

- 23.50 Elder $\frac{1}{2}$ in. diam. on line.
40.00 Set $\frac{1}{4}$ Sec.post and charred stake in mound.
78.50 Road, course S.43 $\frac{1}{2}$ ° E. and taking down the centre of a long Valley with several belts of timber, supposed to be the road to San Juan also trail crossing road at right angles.
80.00 Set S.C.Sec.post and charred stake in mound, cor.of Secs. 5 & 6, T. 5 S., R. 9 W.- Soil 2nd rate and sandy.

54TH MILE.

- 6.50 Centre of Cactrice and Elder on North side of the line.
9.50 Leave same.

WEST:
Chain
Link

34.00 Old trail course S. 74° W.
40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound.
47.00 Bank of dry bed of river, course S. 70° East.
50.00 Right bank of same (8 ft. high banks)
59.00 Slough.
80.00 Set Township post and charred stake, Cor. of Tps. 5 S., Rs. 9 & 10 W.,
from which bears an Elder 7 in. diam., S. 53 $\frac{1}{2}$ ° W. 202 links dist.,
" " 6 in. diam. N. 5 $\frac{1}{2}$ ° W. 54 links dist.,
" " 5 in. diam. N. 3 $\frac{1}{2}$ ° E. 48 links distant
and one 5 in. diam. S. 79 $\frac{1}{2}$ ° E. 125 links distant.
Soil sand and gravel, with clay sub soil, timber scattering, marking
trees on South side of the line in full.

55TH MILE.

29.00 Cross Road, course N. & S.
36.50 Willow thicket.
40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound and in dense willow thicket.
80.00 Set Sec. post and charred stake in mound in dense thicket (willow)
cor. of Secs. 1 & 2, R. 9 W., T. 5 S.
Soil 1st rate and bottom traversed by numerous cattle trails.

56TH MILE.

13.16 Through dense willow thicket to Rio Santa Anna, I learn from Senor
Domingo Yorba that all of the land crossed by the Standard Parallel,
W. of the Canon of the Rio Santa Anna is claimed by the Yorba family;
that Senor Bernardo and Theodosio are at this time the claimants.
That the heirs of Senor Raymond, deceased, claim the tract we are now
passing; that the River Sanjas are dry during the dry season.
Being unable to measure across the river, I ascertained the distance
across as follows: Erected a flag at 13.16 chains and on the opposite
side in line at Point A I ran a base South and found the angle to the
flag at 2.00 chas. to be S. 77° E. and at 5.50 chas. on said base to
be S. 57 $\frac{1}{2}$ ° E. making the distance 8.64 chas. from flag to the afore-
said point at A.
The distance from this point East to river is 1.17 chas. which makes
the distance across the river 7.47 chas., thence from said point at
A. ran West, course of river S. 25° W. to road.
31.50 To road.
40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound.
78.50 Sanja 12 in. deep.
78.75 Across same.
80.00 Set S.C. Sec. post and charred stake, from which a Sycamore 36 in. diam.
bears S. 60 $\frac{1}{2}$ ° E. distant 476 links, Elder 14 in. diam., S. 21° W. 302
links distant.
Soil first $\frac{1}{4}$ mile 2nd rate and boggy, last $\frac{1}{4}$ 2nd rate and covered with
mustard, cor. of Secs. 2 & 3.

57TH MILE.

40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound.
49.50 Slough, course S. 29 $\frac{1}{2}$ ° E.
50.00 Over same.
80.00 Set S.C. Sec. post and charred stake in mound, cor. of Secs. 3 & 4, Soil
2nd rate and 3rd rate, vegetation mustard.

58TH MILE.

32.50 Trail crossing at right angles.
40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound.
80.00 Set S.C. Sec. post and charred stake in mound, cor. of Secs. 4 & 5, from
which bears the apparent terminus or gap of the Santa Anna or San Juan
Mountains, S. 50° W. Soil 3rd rate and blackened with a saline substance.

chain
link
WEST:

59TH MILE.

1.00 To road, course $32\frac{1}{2}^{\circ}$ W.
40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound.
65.00 Cross trail at right angles.
80.00 Set S. C. Sec. post and charred stake in mound, cor. of Secs. 5 & 6,
Soil 3rd rate, covered with mustard and salt grass.

60TH MILE.

10.00 Trail.
40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound.
80.00 Set S. C. Sec. post (Elder) and charred stake in mound, cor. of Townships
5 S., Rs. 10 & 11 W. San Bernardino, which has been for 2 miles back,
bears from this N. $67\frac{1}{2}^{\circ}$ E.
Soil 2nd rate and sandy.

61ST MILE.

8.00 Trail, ranging S. 75° W.
40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound.
80.00 Set S. C. Sec. post and charred stake in mound 8 links W. of cattle trail,
cor. of Secs. 1 & 2, R. 11 W. T. 5 S.

62ND MILE.

40.00 Set $\frac{1}{4}$ Sec. post & charred stake in mound.
80.00 Set S. C. Sec. post and charred stake in mound, cor. of Secs. 2 & 3,
Soil 2nd rate and for 1st $\frac{1}{2}$ mile well grazed.

63RD MILE.

40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound.
80.00 Set S. C. Sec. post and charred stake in mound, cor. of Secs. 3 & 4,--
Soil 2nd rate prairie and alkaline appearance.
74.50 Cross small slough, ranging S. 15° W.

64TH MILE.

40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound.
80.00 Set S. C. Sec. post and charred stake in mound cor. of Secs. 4 & 5,
Soil 2nd rate prairie.

65TH MILE.

35.00 Across trail S. $36\frac{1}{2}^{\circ}$ W.
40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound along side of a cattle trail.
53.50 Trail course S. 25° W.
80.00 Set S. C. Sec. post and charred stake in mound cor. of Secs. 5 & 6,
Soil 1st rate prairie.

66TH MILE.

40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound.
79.50 Shallow slough whitened with a saline substance.
80.00 Set S. C. Sec. post and charred stake in mound, cor. of township 5 S.
Rs. 11 & 12, Secs. 1 & 6,
Soil last $\frac{1}{2}$ mile 2nd rate prairie.
Ranch house of Los Alamitos (5 square leagues, belonging to Don Abel
Stearnes) originally granted to Nicato, bears from this point
N. $84\frac{1}{2}^{\circ}$ W.

67TH MILE

19.00 Slough with small stagnant pools of water and whitened with saline
substance.
19.50 Across the same.
40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound.
52.00 Mud slough and cross nearly at right angles.
80.00 Set Sec. post and charred stake in mound, cor. of Secs. 1 & 2, T. 5 S.,
R. 12 W.
Soil 2nd rate with some naked patches of an alkaline appearance.

WEST^{1/2} S.
chain
Ch^{1/2} L.

68TH MILE.

13.00 Slough of running water, crossing at right angles.
13.50 Across same.
14.75 Sanja.
25.25 Cienega or bog.
35.00 Dry land.
40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound, bearing to Ranch house of Don Abel Stearns or Los Alamitos, bears N. $30^{\circ} 15'$ W.

SOUTH:

1.50 Offset 1.50 to South.

WEST:

1.00 To water.
15.00 Cienega or swamp.
17.50 Offset stake, thence

SOUTH:

1.50 To offset stake, thence,

WEST:

5.50

NORTH:

3.00 Back to line, thence,

WEST:

5.00 To small gulch.
11.00 Top of rise or slope.
14.00 Ravine.
17.00 Set S.C. post and charred stake in mound, cor of Secs. 2 & 3, T. 5 S., R. 12 W.

69TH MILE.

17.00 Center of ravine.
21.50 Top of rise, bearing to point at mouth of the creek, S. $5\frac{1}{2}^{\circ}$ E.
40.00 Set $\frac{1}{4}$ sec. post and charred stake in mound.
54.58 Bearing to Sand point or bank S. $12\frac{1}{2}^{\circ}$ W. and to high point S. 39° W.
75.00 Ravine.
80.00 Set S.C. Sec. post in mound, corner of Secs. 3 & 4, T. 5 S., R. 12 W.

70TH MILE.

17.00 East bank of swale.
19.00 Across.
40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound.
45.00 Meet swale.
47.00 Leave same.
75.50 Cross dim trail.
80.00 Set S.C. Sec. post and charred stake in mound, cor. of Secs. 4 & 5, R. 12 W., T. 5 S.
Soil 3rd rate prairie, proved too foggy to take bearings of points on beach.

71ST MILE.

40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound from which bears point San Pedro, S. 58° W. house at that place S. $57\frac{1}{2}^{\circ}$ W. the central or top of the largest of Los Ceritos N. 16° W.
80.00 Set S.C. Sec. post and charred stake in mound, cor. of Secs. 5 & 6, T. 5 S., R. 12 W.
Soil 2nd rate.

72ND MILE.

40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound.
80.00 Set S.C. Sec. post and charred stake in mound, cor. of Secs. 1 & 6, T. S. 5. S. Rs. 12 & 13 W.

WEST:
chain links.
Link.

Soil 2nd rate prairie.

73RD MILE.

6.00 Cross wagon trail, course N. $57\frac{1}{2}$ W.
40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound, from which bears point
San Pedro S. $49\frac{1}{2}$ W.
80.00 Set S.C. Sec. post and charred stake in mound, cor. of Secs. 1 & 2,
T. 5 S., R. 13 W.

74TH MILE.

3.50 Low ground.
23.00 Slough from Bay.
25.50 Across same at low tide water 12 in. deep but at high 4 feet.
35.00 West bank.
40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound.
46.00 Slough from Sea, course S. 45° W.
47.00 Across same.
59.00 Slough.
66.75 "
80.00 Set. S.C. Sec. post and charred stake in mound, cor of Secs. 2 & 3,
R. 13 W., T. 5 S. first $\frac{1}{2}$ mile covered at high tide, last salt, marsh.

75TH MILE.

3.94 Branch of water.
4.58 Across same.
22.25
24.20 Rio.
24.76 Across same.
30.00 Stream of water 15 links over.
35.00 " " " " "
38.00 Across same and shallow
40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound
49.40 Stream 40 links across.
80.00 Set S.C. Sec. post and charred stake in mound, cor. of Secs. 3 & 4,
T. 5 S., R. 13 W.

76TH MILE.

14.50 Meet slough
16.50 Over same
40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound
48.50 Slough
50.00 Across same.
66.00 Bank of high land, ranging S. 67° W.
80.00 Set S.C. Sec. post and charred stake in mound, cor. of Secs. 4 & 5, T.
5 S., R. 13 W.

77TH MILE.

8.50 Offset for pond to North, thence

NORTH:
4.00 To offset stake, thence,

WEST:
10.50 To 2nd offset stake, thence,

SOUTH:
4.00 Back to line, thence

WEST:
21.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound.

61.00 Set S.C. Sec. post and charred stake in mound, cor. of Secs. 5 & 6,
Soil 2nd and 3rd rate.

WEST: ^{chain} ~~ass.~~

Chain

78TH MILE.

29.50 Road to San Pedro (old ranch)
40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound.
43.25 Road between San Pedro and Los Angeles, via Dominguez Ranch, course S. 42° W.

58.50 Edge of pond, thence,

SOUTH:

2.00 To offset stake, thence,

WEST:

3.00 To 2nd offset stake, thence,

NORTH:

2.00 To line.

WEST:

18.50 Set S.C. corner post and charred stake in mound, cor. of Secs. 1 & 6, Ts. 5 S. Rs. 13 & 14 West.

79TH MILE.

37.00 Low ground.
40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound.
45.00 To road between San Pedro and Los Angeles via Sepulveda's Ranch.
71.50 Leave ravine.
80.00 Set S.C. Sec. post and charred stake in mound, in Caetrice on side of hill. Trench and pits on all but S. side.
Soil poor.

80TH MILE.

6.50 Top of hill.
12.00 Break of ravine.
15.00 Centre.
19.50 Road (unimportant).
25.50 Top of hill.
40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound.
42.00 Trail.
49.50 Centre of ravine.
59.00 Centre of ravine near small gulch.
80.00 Set S.C. Sec. post and charred stake in mound, cor. of Secs. 2 & 3, T. 5 S., R. 14 W.
Soil 3rd rate and dry.

81ST MILE.

5.50 Bank of ravine.
11.50 Centre of ravine.
17.50 Rise.
35.15 Trail
40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound.
43.50 Ravine.
46.50 Rise.
50.50 Ravine.
64.00 Break of ravine.
67.00 Ravine.
80.00 Set Sec. post and charred stake in mound, cor. of Secs. 3 & 4, T. 5 S., R. 14 W.,
Soil 3rd rate and dry.

82ND MILE.

9.00 Centre of Ravine 30 ft. deep.
11.00 Ridge.
14.50 Ravine.
27.00 Ravine 30 ft. deep.
29.00 Ravine 20 ft. deep.
40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound on W. face of Canon.
42.00 Centre of Canon.
45.00 Top of ridge.

WEST: ^{1/2} link.
Chain Link.

48.50 Centre of ravine.
55.00 Deep ravine.
62.00 Trail.
66.00 Canon or long deep ravine.
80.00 Set Sec. post and deposited 2 bits of charred stake, each 6 in. long in mound, cor. of Secs. 4 & 5, T. 5 S., R. 14 W.

83RD MILE.

7.00 To pile of rocks on edge of deep canon from which I cross the canon and measure from a point on its W. bluff, due West of the pile of rocks North 100 links and find the bearing to them S. $84^{\circ} 27'$ E. At 200 links North, bearing to same S. 79° E. at 400 links, North, S. $68^{\circ} 35'$ E. giving the average distance of 1024 links across canon, Thence,
17.24 Across Canon 170 ft. deep.
18.00 Cattle trail.
25.00 Ravine 30 ft. deep.
33.50 Ravine 30 ft. deep.
40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound.
42.50 Ravine.
45.39 Top of Ocean crosses on North, bears N. $19\frac{1}{2}^{\circ}$ W. and same on South S. 87° E.
55.00 Top of rise.
61.50 Cattle trail.
80.00 Set S.C. Sec. post and charred stake in mound, cor. of Secs. 5 & 6, T. 5 S. R. 14 W, Cor. post a limestone rock. Soil 2nd and 3rd rate, prairie.

84TH MILE.

10.00 Cattle trail 11 gulch
19.00 Base of hill.
40.00 Set $\frac{1}{4}$ Sec. post, a rock 4 ft. long by 3 & 8 in. thick, with charred stake in mound.
41.00 Cattle trail for pond
65.00 do do
80.00 Set S.C. Sec. post, marked a fixed horizontal rock inbedded in rock, also a limestone rock 30 by 10 and 4 in. in mound, base of rock pits, on E. W. and N. sides, cor. of Secs. 1 & 6, T. 5 R. 14 and 15 W.

85TH MILE.

25.00 End of first descending table.
35.00 Commencement of 2nd "
40.00 Set $\frac{1}{4}$ Sec. post (rock 18 by 6 & 5 in. with 3 small rocks in mound.
51.00 Cattle trail for water, at the station - the needle is drawn by local attraction $1^{\circ} 27'$ E.
52.00 Ravine making to the Ocean.
56.00 Leave ravine.
80.00 Set S.C. Sec. post (stone 16 by $3\frac{1}{2}$ & 4 in). in mound, cor. of Secs. 1 & 2, T. 5 S., R. 15 W. Soil 2nd rate, prairie. Attraction $1^{\circ} 27'$.

86TH MILE.

11.50 Bottom of hill.
16.00 Across table of land to flat or table.
40.00 Set $\frac{1}{4}$ Sec. post, a limestone rock, 24 by 10 & $2\frac{1}{2}$ in. and deposited 3 small rocks in mound, attraction $1^{\circ} 27'$.
80.00 Set S.C. Sec. post (rock 15 by 11 & 5 in. and charred stake in mound, Cor. of Secs. 2 & 3, R. 15 W., T. 5 S. Soil 2nd and 3rd rate.

87TH MILE.

1.50 From cor. of Secs. 2 & 3, R. 15 W. T. 5 S. meet the most northerly point, bears N. $59\frac{1}{2}^{\circ}$ W. and the northern curve of Bay, taken this morning, bears N. $34\frac{1}{2}^{\circ}$ W. Northern terminus of the high land of the Island of Santa Catalina, S. 22° E.

WESTINGS.

chain

1.70

Perpendicular limestone Bluff of the Pacific Ocean on the North side of the most westerly point of the hills of San Pedro, bearing N. 33° E.

Friday, April 22nd, 1853.

GENERAL DESCRIPTION.

On the Standard Parallel described in the foregoing field notes.

From the, Corner of Ts. 4 & 5 on the aforementioned Meridian, the first half Range 1, W. is rich land and well adapted to cultivation, whether owned by any grantor or not, I was at the time unable to learn, though I have since learned from Don Abel Stearns that it is reputed to be a part of the deserted Rancho of San Jacinto, said to contain 16 square leagues and to be claimed by Senors Estudillo and Arquire of San Diego County.

In R. 2 W. this line crosses an exceedingly rough high and isolated granite mountain, having an area of about a township, and possessing at this time in all, not to exceed five weak springs of water with some little Sycamore timber in the craggy and narrow Canons.

In Range 3 W. it passes the high plain or valley of the San Jacinto River, which river is dry during the summer, as I am told by the Carrilla Indians.

In Range 4 W. this parallel lies in the foot hills and mountains of Temascal, at the termination of which range, finding it not only too rough, but utterly impossible to measure much further on with a chain, or by right angled triangulation for want of proper basis, and seeing that from West to East there was an unbroken and impassable series of mountains Ranges apparently uniting the mountains of Santa Anna or San Juan with the high peaks of San Antonio and San Gorgonia, I ran North on the 4th range line, establishing corners thereon 6 miles, mostly over a rough and rocky section, passing over no land of any value, and terminating in an uneven high mountain plain. Thence west, establishing the corners of the Standard Parallel, marking the stakes and bearing trees for Townships 3 & 4 South, through Ranges 5, 6 and a part of 7, to the Eastern base of the Santa Anna or San Juan Mountains, leaving nothing in the vicinity of the line on the South but a parched up, worthless mountainous country, save only Rancho Temascal, which consists of some two or more patches (small) of watered and cultivated land in the canadas of the plain of Temascal, which lies between The Santa Anna and Temascal Mountains, claimed by the Widow and Children of Leandro Serano, deceased, under a grant from the commandant of the Presidio of San Diego, given some time about A.D. 1818.

In offsetting to the North, in order to pass the Santa Anna Mountain, the line crosses a portion of the Guapa Rancho, claimed by Don Juan Bandini, and in offsetting through the canon of the Rio Santa Anna, a part of the Rancho of Don Bernardo Yorba, after leaving which, in running on the offset line to the South, until aiming at the Standard Parallel the land is valueless and exceedingly rough, in Range 7 West, the Standard Parallel passes a small Valley of the little Santa Anna River, which might make a few small farms or perhaps a tolerably clear grazing rancho.

Thence Westward towards the Sea Coast it is supposed to cut first, Rancho San Joaquin of Don Jose Sepulveda's next, until a league or so after passing the Rio Santa Anna, it is claimed by different members of the Yorba family, and would be of great value

for agricultural purposes were it not for the sinking of the river in the sand during the dry season, as I am told it does.

Next this line, runs in the vicinity of or cuts the Rancho Los Coyotes, claimed by Don Pio Pico and Los Bolsas, claimed by Senor Francisco Ruiz. In regard to these ranches and many others similarly situated, it is not possible for me to comply with my instructions, for in many cases after passing much time to look up the Ranch houses, they are inhabited only by the Major Domi's who generally have but a vague idea of the limits of the respective ranches, and the owners when met, are in but few cases able to give any definite point of intersection or direction of the intersected boundary. Yet I have executed my best endeavor to learn all that I possibly could in the field concerning them.

It crosses the Rancho Los Alimitos claimed by Don Abel Stearns, a part of Rancho Los Ceritos, claimed by Don Juan Temple, the last four enumerated, together with one called Santa Gertrudes, having (till 1835, constituted the Rancho de Los Nietos at which time it was partitioned off and regranted to the respective heirs by Govt. Don Jose Figueroa.

Lastly, it passes through the Rancho Los Palos Verdes, claimed by the Sepulveda's, having been regranted, in favor of Don Jose Santos Sepulveda by Gov. Pio Pico, terminating on the margin of the main ocean on the most extreme westerly point of the Hills of San Pedro, (leaving the Port of San Pedro) some three miles to the Southward.

I hereby certify that I assisted Henry Hancock, Deputy Surveyor, in running the first Standard Parallel South of the San Bernardino Base, ran by Colonel Washington from the 26th of March, 1853, up to the 13th day of April, 1853, in the capacity of Flag bearer, and that the said Parallel, in all respects, to the best of my knowledge and belief has been well and faithfully surveyed up to the end of said service, and the monuments planted according to the instructions furnished by the Surveyor General.

(SIGNED)

H. P. MANFORD

Subscribed to and sworn to by the said Manford before me at Los Angeles this 22nd day of April, A.D. 1853.

(SIGNED)

K. H. DIMMICK,
Notary Public.

List of names of the individuals employed to assist in running, measuring, and making the lines and corners described in the foregoing