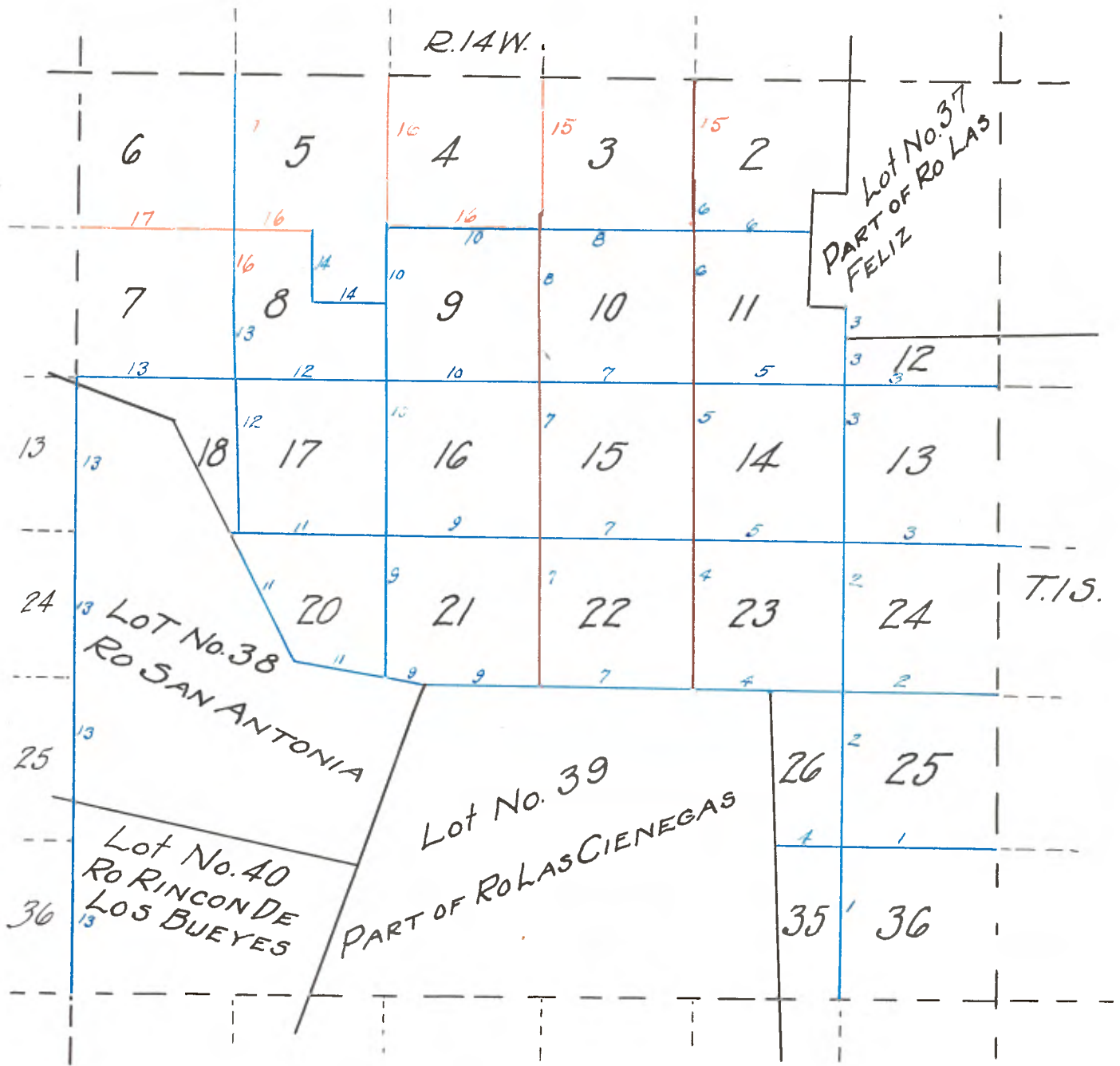


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R. 14 W. Blue - John Goldsworthy ~ July 1871
 Vermillion ~ July 1879

T. 1 S. R. 14 W. San Bernardino Meridian

Field notes of part of the exterior and the subdivision lines of the Surveyable portion of T. 1 S. R. 14 W. San Bernardino Meridian in the County of Los Angeles, State of California.

To ascertain the variation for subdividing this Township I proceeded to the S.E. Cor. of T. 1 S. R. 14 W. which I found distinctly marked with pits and post in mound, from which cor. I ran North on blank line along the East boundary of Section 36.

Var. $14^{\circ}17' E.$

- 39.94 To a point of links E. of a post claimed by settlers as the $\frac{1}{4}$ sec. cor.
79.95 To a point 19 links E. of a post in a water ditch claimed as corner to Sess. 25 and 36.

Note:- I did not consider this reliable, hence I ran north another mile on my line continued

Var. $14^{\circ}17' E.$

- 39.96 To a point 28 links E. of $\frac{1}{4}$ Sec. cor.
79.98 To a point 37 links E. of corner to Sections 24 and 25.

Hence to retrace the Township line, or to run a line parallel thereto, I must use a

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

I came back to the S.E. cor. of the Township and ran west retracing South boundary of Section 36.

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

- 39.95 To the $\frac{1}{4}$ sec. cor.
79.90 To the post cor. to Sess. 1, 2, 35 & 36.

Subdivisions commenced Jany. 27th, 1871.

From the cor. to Sess. 1, 2, 35 and 36 on the south boundary of the Township I ran North between Sections 35 and 36.

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

- 3.00 Base of table land course E.
5.00 To top of table land.
23.30 To a road- course N.E.
28.00 To the house of Cox 10 chs. W. of line
40.00 To $\frac{1}{4}$ Sec. cor. I set post and charred stake in mound with pits as per instructions.
54.00 To a road, course $N.30^{\circ}00' E.$
75.00 To house of August Schlabetz 13 chs. W. of line.
80.00 Set post and charred stake in mound with pits as per instructions for corner to Sections 25, 26, 35, 36.

Land level- Soil 2nd rate.

East on random line between Sections 25 and 36.

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

- 11.00 To center of ravine, course N.W.
37.00 To house of H. Smith 15 chs. N. of line.

40.00 Set temporary $\frac{1}{4}$ sec.post.
70.00 To house 25 links N.of line.
79.99 Intersected E.boundary at section post

West on true line between Secs. 25 and 36.

39.99 Set post and charred stake in mound with pits, for $\frac{1}{4}$ Sec.cor.
as per instructions. Var.14°30'E.
79.99 To post cor.to Secs. 25, 26, 35 and 36.
Land level, soil 2nd rate.

North between Sections 25 and 26.

7.00 To center of ravine, course N.W. Var.14°30'E.
16.00 To center of deep gulch on wash- 80 links wide, course W.
40.00 Set $\frac{1}{4}$ sec.post and charred stake in mound, with pits as per
instructions at the base of table land on south side of a small
valley running N.E. and S.W.

Jan'y.30.1871.

51.00 To the North side of the valley course N.E. and S.W.
56.00 To brow of hill, course N.E.
59.00 To road, course E. and W.
67.00 To the house of Philip Garuoier 4 chs.W.of line.
75.00 To brow of hill, course N.E.
77.00 To center of deep run, course W.
80.00 Set post and charred stake in mound with pits as per instras-
tions, for cor.to Sections 23, 24, 25 and 26.
Land gently rolling, soil 2nd rate.

East on random line between Sec.24 and 25.

8.25 To center of ravine 1 ch.wide, course N.W. Var.14°30'E.
30.00 To road, course N.W.
40.00 Set post for temporary $\frac{1}{4}$ sec.cor.
42.50 Crossed creek 10 chs.wide, course S.W.
48.00 To Bob Seleyde's house 5 chs.N.of line
49.00 To Smith's house 15 chs.S.of line
59.00 To road, course S.E.
80.04 Intersected East line of Township at cor.post to Secs.24 and
25, from which I ran W on true line between Sections 24 and
25.

40.02 Set $\frac{1}{4}$ Sec.post and charred stake in mound with pits as per
instructions. Var.14°30'E.
80.04 To the corner of Sections 23,24,25 and 26.
Land gently rolling. Soil good, 2nd rate.

North between Secs. 23 and 24.

Var.14°30'E.

- 32.30 To road- course S.E.
40.00 Set $\frac{1}{4}$ sec.post and charred stake in mound with pits as per instructions.
59.40 To road, course E. and W.
69.30 To creek 4 links wide, course N.W.
75. To P. Luney's house 4 chs.E.of line.
80.00 Set a post and charred stake in mound, with pits as per instructions, for corner to Secs. 13,14,23 and 24.
Land gently rolling, soil 2nd rate.

East on random line between Secs. 13 & 24.

Var.14°30'E.

- 9.00 To creek 10 links wide, course S.W.
32.50 To stage road to Santa Barbara course N.W.
40.00 Set post for temporary $\frac{1}{4}$ Sec.corner
51.00 To Thos.Hancock's house 3 chs.N.of line
55.00 To a creek 5 links wide, course S.W.
75.00 To center of cactus patch 150 links in dia.
80.01 Intersected East boundary of the Township at the post to corner of Secs. 13 and 24.
West on true line between Secs. 13 and 24.

Var.14°30'E.

- 40.00 Set $\frac{1}{4}$ Sec.post and charred stake in mound with pits as per instructions.
80.01 To corner to Sections 13,14,23 and 24.
Land gently rolling- Soil 2nd rate.

North between Secs. 13 and 14.

Var.14°30'E.

- 2.90 To creek 5 links wide, course S.W.
10.90 Along bed of creek to where a branch comes in from the N.W.
21.00 To house 5 chains W.of line
40.00 Set $\frac{1}{4}$ Sec.post and charred stake in mound with pits as per instructions.
54.00 To Telegraph road through the Gahuenga Pass, Course N.W.
80.00 Set post and charred stake in mound with pits as per instructions for corner to Sec.11, 12,13 and 14.
Land gently rolling; soil 2nd rate.

East on a random line between Sec.12 and 13.

Var.14°30'E.

- 30.00 To Stage Road through Gahuenga Pass, course N.W.
40.00 Set temporary $\frac{1}{4}$ sec.post.
49.00 To a creek 4 links wide, course S.S.E.
50.50 To a creek 3 links wide, course S.S.E.
80.02 Intersected East boundary of the township 37 links North of post corner to Sections 12 and 13.
From which corner I ran North 89°44'W on true line between Sections 12 and 13.

Var.14°30'E.

- 40.01 Set $\frac{1}{4}$ Sec.post and charred stake in mound with pits as per instructions.
80.02 To post corner to Sections 11,12,13 and 14.
Land slightly rolling, soil 2nd rate.

Feby.1st 1871

North on random line between Secs. 11 and 12.

Var.14°30'E.

- 6.30 To road, course E. and W.
 22.70 To a point 12 links East of a post L.F.No.28 of Los Felis
 from which post I run $S 0^{\circ} 18' E$ on true line
 22.70 To post corner to Secs.11,12,13 and 14.
 Land level; Soil good 2nd rate.

Feby.2nd 1871.

From the previously established corner to Sections 25,26,
 35 and 36

I ran west on true line between Secs. 26 and 35.

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

- 40.02 Intersected the East boundary line of Rancho Las Cienegas
 and set post for $\frac{1}{4}$ sec.corner and charred stake in mound
 with post and pits as per instructions, 80 chains N.of
 $\frac{1}{4}$ post on the South boundary of Sec.35, having had to re-
 run and remeasure the same, using the previously ascertained
 Var. $14^{\circ} 30' E$.

Also the position of the $\frac{1}{4}$ Sec.post on the south boundary
 of Sec.35 was ascertained by me by re-running and remeasur-
 ing the E. $\frac{1}{2}$ of the S.boundary of Sec.35; and not being able
 to find the $\frac{1}{4}$ sec.corner I reestablished it by setting a
 redwood post and charred stake in mound, with pits as per
 instructions, which corner is also Station No.3 of Los
 Cienegas.

Level table land. Soil good- 2nd rate.

Then from the previously established cor.to Secs.23,24,25
 and 26,

I ran west on true line between Secs. 23 and 26.

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

- 5.30 To dry arroyo- course S.
 16.50 To dry arroyo- course S.W.
 24.30 To creek 5 links wide- banks about 7 feet high and about 80
 links apart- cactus on either side, both above and below
 the line.

Course south for some 40 chs. then courses westerly for a
 mile or more along the Northerly base of "la Mesa"

- 40.00 To the N.E.corner of Rancho Las Cienegas having rerun and re-
 measured the E.line through Sec.26 I established the same
 at this point by erecting a post and charred stake in mound,
 with pits as per instructions. From this point a cactus
 patch 150 links in dia.bears $N 81^{\circ} 40' E$. distant 5 chains.

Thence from the N.E.corner of the Rancho Las Cienegas, I
 run $N.88^{\circ} 10' W$., retracing its North boundary

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

- 40.01 Set redwood post and charred stake in mound with pits as
 per instructions in line between Sections 22 and 23 on North
 boundary of Rancho Las Cienegas.
 Land gently rolling.
 Soil 1st class adobe.

North between Sections 22 and 23.

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

- 38.92 Set $\frac{1}{4}$ Sec.post and charred stake in mound, with pits as per
 instructions.
 78.92 Set post and charred stake in mound, with pits as per in-

structions- corner to Secs. 14,15,22 and 23.
Land gently undulating. Soil 2nd rate.

East on random line between Sections 14 and 23.
Var. $14^{\circ}30'E$.

- 39.00 Down gentle slope to deep dry gulch or wash, course S.S.E.
38.80 To a road- course S.E.
40.00 Set temporary $\frac{1}{4}$ Sec. post.
41.00 To creek 5 links wide- course S. and a clump of cottonwood trees on W. bank of creek 2 chs. north of line.
58.00 To center of ravine 50 links wide, course S.
65.50 To deep, dry wash 20 links wide, course S.
74.80 To center of creek 10 links wide course S.W. and is intersected by the above ravine about 15 chs. S. of this point and by the above wash 14 chains S.
80.04 Intersected N. and S. line 7 links S. of post Cor. to Sections 13,14,22 and 24, from which corner I ran S $89^{\circ}57'W$, on true line between Sections 14 and 23.
Var. $14^{\circ}30'E$.
40.02 Set $\frac{1}{4}$ sec. post and charred stake in mound with pits as per instructions, from which cor. a cottonwood tree 8 in. in diameter, bears N $30^{\circ}00'E$. distant 2 chs.
80.04 To Post cor. to Secs. 14,15, 22 and 23.
Land rolling; soil good; 2nd rate.

Feb. 3rd 1871

North between Sections 14 and 15.

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

- 10.50 To ravine 50 links wide- course S.S.W.
18.00 Brea Bank 10 chs. W. of line.
25.00 To ravine 20 links wide- course W.
26.00 To road- course N.N.W.
40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound, with pits as per instructions 4 chs. E. of a creek.
53.00 To a water course 20 links wide course S. $20^{\circ} W$.
80.00 Set post and charred stake in mound with pits as per instructions- for cor. to Sections 10,11,14 and 15.
Land gently rolling; Soil 1st Rate.

East on random line between Sections 11 and 14.

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

- 19.30 To head of ravine or water course which runs 4 chs. W. of the $\frac{1}{4}$ Sec. post between Sections 14 and 15- course S.W.
40.00 Set temporary $\frac{1}{4}$ post.
43.20 To ravine or water course 10 links wide course S.E. the same that runs 1 ch. E. of $\frac{1}{4}$ post between Sections 14 and 23.
47.50 To ravine 20 links wide Course S.
53.20 To telegraph road through Cahuenga Pass.
79.96 Intersected the N. and S. line 4 links south of post cor. to Sections 11,12,13 and 14, from which cor. I ran S $89^{\circ}58'W$. on true line, between Secs. 11 and 14.
Var. $14^{\circ}30'E$.
39.98 Set $\frac{1}{4}$ Sec. post and charred stake in mound with pits as per instructions.
79.98 To corner of Sections 10,11,14 and 15.
Land level; Soil 1st rate.

Feb. 4th, 1871.

North between Sections 10 and 11.

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

- 18.00 Commence a very gentle ascent
40.00 Set $\frac{1}{4}$ sec. post and charred stake in mound, with pits as per instructions.
56.30 To telegraph road through Cahuenga Pass. Course N.W.
63.80 To cactus and underbrush extending E. and W. of line about 5 chains.
68.70 Left cactus and underbrush.
70.00 To foot of hill
80.00 Set a stone 16 x 12 x 18 ten inches in ground marked as per instructions for cor. to Secs. 2, 3, 10 and 11. Land gently rising for the first 70 chains, then steep ascent on bluff or spur from the main range on the North course S.W. Soil for first 30 chains 1st rate; next 60 chs. sandy with large pebbles, bunches of cactus, etc. 2nd class land.

East on true line between Secs. 2 and 11.

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

- 7.00 To base of hill.
15.00 Enter brush and cactus, course N.E. and S.W.
19.70 To dry wash 40 links wide, Course S.
36.10 Deep, dry wash 80 links wide, Course S.
40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound with pits, as per instructions.
52.25 To Sycamore tree 10 in. in diameter 150 links S. of line.
59.90 Intersected the line of Rancho Las Felis between Stations 25 and 26 and 39.63 chs. North of station 26, having remeasured the same to ascertain the point of intersection. Land sloping gently South. Soil 2nd rate.

From corner to Sections 2, 3, 10 and 11 I run North between Sections 2 and 3.

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

- 3.00 To top of hill or spur from main range—course S.W. and terminating in valley about 12 chains S. of this point.
30.00 In a saddle between two hills
37.00 To foot of hill
38.00 Commence ascent of hill steep
40.00 Set round stone 16 x 10 x 10 ten inches in ground for $\frac{1}{4}$ sec. cor. marked as per instructions, from which an elder 2 in. in dia. bears N. 60° W and distant 75 links. At this point I found a steep mountain range over which it is impossible to measure. Land mountainous. Soil very poor. 2nd rate.

Feb. 6, 1871.

From intersection post on the North line of Las Cienegas between sections 22 and 23, I run North $88\frac{1}{2}^{\circ}$ W. retracing the north boundary of Rancho Las Cienegas.

- 80.03 Set a post and charred stake in mound with pits as per instructions in line between Sections 21 and 22. From thence I ran North between Sections 21 and 22. Var. $14^{\circ}30'E$.
- 36.00 To small ravine, course S.W.
- 36.76 Set a post and charred stake in mound as per instructions for $\frac{1}{4}$ sec. cor.
- 48.60 To road from Brea Springs to Los Angeles, Course N.W.
- 76.82 Set a sand stone 20 x 14 x 13 12 inches in ground, marked as per instructions for corner to Sections 15, 16, 21 and 22. Land level. Soil good- 1st rate.

East on random line between Sections 15 and 22. Var. $14^{\circ}30'E$.

- 40.00 Set temporary $\frac{1}{4}$ Sec. post.
- 56.25 To creek 6 links wide, course E.
- 79.80 Intersected N. and S. line 6 links South of Post corner to Sections 14, 15, 22 and 23, from which Cor. I ran S. $89^{\circ}58'$ W. on true line bet. Secs. 15 & 22. Var. $14^{\circ}30'E$.
- 39.90 Set $\frac{1}{4}$ sec. corner post and charred stake in mound, with pits as per instructions.
- 72.60 To corner to Sections 15, 16, 21 and 22. Land slightly rolling; soil good; 1st rate.

Feb. 7, 1871

- North between Sections 15 and 16.
- 5.30 Ravine 150 links wide- Course S.W.
- 23.00 To house 5 chains east of line.
- 40.00 Set $\frac{1}{4}$ Sec. corner post and charred stake in mound, with pits as per instructions.
- 46.10 To a road- course E.
- 74.00 To small ravine. Course S.S.W.
- 80.00 Set a sand stone 20 x 16 x 8 12 inches in ground, marked as per instructions for corner to Sections 9, 10, 15 & 16. Land level, soil 1st class.

East on random line between Secs. 10 and 15. Var. $14^{\circ}30'E$.

- 8.80 To ravine- Course S.W.
40. Set temporary $\frac{1}{4}$ sec. cor.
- 78.50 To ravine- Course S.
- 79.98 Intersected N. and S. line at post corner to Secs. 10, 11, 14 and 15. West on true course Var. $14^{\circ}30'E$.
- 39.99 Set $\frac{1}{4}$ sec. post and charred stake in mound, with pits as per instructions.
- 79.98 To corner of Sections 9, 10, 15 and 16. Land level; Soil 1st class.

North between Sections 9 and 10. Var. $14^{\circ}30'E$.

- 12.00 To house 2 chains W. of line.
40. Set $\frac{1}{4}$ sec. post and charred stake in mound with pits, as per instructions.
- 41.10 To road- Course E. and W.
- 42.00 Commence gentle ascent.

50.00 To W.bank of dry wash 1 ch.wide, Course S.
 73.00 On W.bank of same wash.
 78.00 On E.bank of same wash.
 80. Set sandstone 28 x 20 x 18 14 inches in ground, marked as per instructions, for corner to Sections 3, 4, 9 and 10, from which the center of Thomas Urquedes' house bears due E. 55 links and a large sycamore 3 ft. in diameter bears due W. 57 links.
 Land for first 40 chs. level. Soil 1st class.
 Last 40 chs. land gently rising. Soil gravelly, 2nd rate.

East on random line between Sections 3 and 10.

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

Made offset on account of house of Thomas Urquedes and steep range of mountains 3 chs. E. of house along which it is impossible to measure. I run S. 9 chs. to a point. Thence E. on offset line 1.00 ch. E. bank of Wash 2.00 ch. W. edge of small vineyard of Thomas Uriquidez. Course about N. and S. and extends about 4 chs. N. and 5 chs. S. of line.

8.00 East edge of same extending 6 chs. S and 4 chs. N. of line containing about $5\frac{1}{2}$ acres.
 18.00 Steep base of mountain 4 chains N. of line.
 18.00 Ravine comes down from the mountains. Course S.
 24.00 Steep base of mountains 5 chs. N. of line.
 30.00 To mouth of Canada de Los Alisos. Thence North
 9.00 To random line between Sections 3 and 10, a point 150 links East of base of Mountains on W. side of Canada de Los Alisos, ranging $N.13^{\circ}E$. and 30.00 chains East of last Sec. corner.
 31.50 To house of Caledonio Lopez 8 chs. N. of line.
 38.00 To deep wash 70 links wide. Course S.
 40.00 Set stone for temporary $\frac{1}{4}$ Sec. cor. at base of hill and E. side of Canada de Los Alisos.
 44.00 To spur from mountains on North course S. and terminates in valley 3 chs. S.
 51.00 To ravine, course S.
 55.00 To top of spur from mountains on North course S. and terminates in valley 250 links S.
 59.50 To base of hill on W. edge of Cahuenga Canon.
 64.00 To Cahuenga road- which to the E. of this point courses N. and S. of this point. Courses S. S. W.
 65.00 To Updell's house, 10 chs. S. of line.
 67.00 To a point from which Cahuenga Canon bears North for a distance of about 40 chains.
 68.00 To deep dry wash 80 links wide Course S.
 70.00 To foot of hills on E. side of canon.
 80.12 Intersected the N. and S. line 14 links N. of corner to Sections 2, 3, 10 and 11, from which corner I run N. $89^{\circ}54'W$. on true line between Sections 3 and 10.
 Var. $14^{\circ}30'E$.
 40.06 Set sand stone 19 x 14 x 18, 12 inches in ground for $\frac{1}{4}$ sec. cor. marked as per instructions from which a sandstone ledge about 16 ft. long and 3 ft. high bears $N.30^{\circ}W$. and distant 56 links.
 80.12 To corner to sections 3, 4, 9 and 10. The last line was run mostly along the spurs that run S. from the high mountain range on the N. which spurs terminate in the valley on an average of from 4 to 5 chains S.
 From base of spurs, land slope gently towards the S.
 Soil 2nd rate.

North between Sections 3 & 4.

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

- 6.00 To base of hill: steep range over which it is impossible to measure. Set redwood post and charred stake in mound, with pits, as per instructions.

Feb. 8, 1871.

Returning to intersection post between Sections 21 and 22 on North line of Rancho Los Cienegas, I run N. $88\frac{1}{2}^{\circ}W$. retracing the same.

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

- 60.30 To the N.W. Cor. of the Los Cienegas which is also Station 3 of the Rancho Rodeo de Los Aguas.

Note: By requirement this distance should be only 58.98 chs. but as this point was so far (4.36 chs.) from the point claimed as the N.W. cor. of the Los Cienegas, I entered upon an investigation to ascertain the exact point by

1st Going to the S.W. corner of the Rancho Las Cienegas and running up the W. line between stations 10 and 1, of said Rancho, according to the course (N. $30\frac{1}{2}^{\circ}E$.) Variation ($14\frac{1}{2}^{\circ}E$.) and distance (182.38 chs.) of Thompson Dep. U.S. Surveyor. This took me to a point 132 links W. of the point where the 58.98 chs. came.

2nd I went to post. Sta. 4 of Rodeo de Los Aguas and measured the required distance 68.75 chs. to Sta. 3, which measurement reached the exact point found by test.

Let viz: 132 links W. of the point where the 58.98 chs. came- I regarded them as sufficient tests and established the N.W. corner of the Rancho Las Cienegas, or Sta. 3 of the Rodeo de Las Aguas by setting a granite rock $22 \times 18 \times 8$ as per instructions: from which cor. Station No. 4 of the Rodeo de las Aguas being visible and bearing N. $82^{\circ}10'W$. I ran N. $82^{\circ}10'W$.

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

- 19.91 Set a redwood post and charred stake in mound with pits as per instructions on the North boundary of Rodeo de Las Aguas for intersecting post between Sections 20 and 21.

Thence I run North between Sections 20 and 21.

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

- 13.36 To Brea road- Course E.
25.40 To creek 8 links wide- Course S.S.W.
32.57 Set $\frac{1}{4}$ sec. cor. post and charred stake in mound with pits as per instructions.
61.70 To creek, water 10 inches wide 80 links bet. banks. Course S.W.
72.57 Set post and charred stake in mound, with pits as per instructions, for cor. to Sections 16, 17, 20 and 21.
Land level; soil 1st Rate.

East on random line between Secs. 16 and 21.

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

- 13.00 To Thompson's house 10 chs. S. of line.
40.00 Set temporary $\frac{1}{4}$ sec. cor.
76.00 To small ravine, course S.W.
80.13 Intersected post at corner to Sections 15, 18, 21 and 23.
West on true line.

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

- 40.06 Set $\frac{1}{4}$ sec. post and charred stake in mound with pits as per instructions.
 80.13 To corner of Sections 16, 17, 20 and 31. Land level; soil 1st rate.

North between Sections 16 and 17.

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

- 39.72 To ravine 20 links wide- course S.W.
 40.00 Set $\frac{1}{4}$ sec. corner post and charred stake in mound, with pits as per instructions.
 56.80 To road- Course E. & W.
 80. Set post and charred stake in mound with pits as per instructions for cor. to Sections 8, 9, 16 and 17. Land level. Soil 1st Rate.

East on random line between Sections 9 and 16.

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

- 12.50 To small ravine- Course S.S.W.
 40. Set temporary $\frac{1}{4}$ sec. corner.
 80.00 Intersected the N. and S. line 16 links S. of Post, at corner to Sections 9, 10, 15 and 16, from which corner I run $S 89^{\circ}53'W$. on true line between Secs. 9 and 16. Var. $14^{\circ}30'E$.
 40.00 Set $\frac{1}{4}$ sec. corner post and charred stake in mound with pits as per instructions.
 80.00 To corner to Sections 8, 9, 16 and 17. Land level. Soil 1st Rate.

Feby. 9th, 1871

North between Sections 8 and 9.

- 8.00 To road- Course E. and W. gradual ascent.
 23.00 Enter underbrush. Course E. & W.
 40.00 Set $\frac{1}{4}$ section post and charred stake in mound, with pits as per instructions.
 57.82 To road- Course E. and W.
 59.00 Left underbrush and commenced ascent of steep range.
 72.60 To top of spur. Course S.E.
 80.00 Set sandstone 25 x 16 x 10 inches 12 in. in ground and marked as per instructions for cor. to Sections 4, 5, 8 & 9. Land for the first 20 chains gentle ascent, clear. Soil 1st Rate. Next 40 chs. through chemical underbrush and low cactus, with a few scattering clumps of sumac and wild cherry. Soil 2nd rate- Next 20 chs. up the side of a steep barren mountain.

East on random line between Sections 4 & 9.

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

Finding it impossible to run a random line East I offset 22 chains South to a point. Thence East on offset line.

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

- 16.00 To mouth of Canada de Los Alisos, ranging $N. 10^{\circ} E$. 6 chs. wide at mouth.
 20.00 To Nicholas house 5 chs. N. of line.
 40.00 Set temporary $\frac{1}{4}$ sec. cor.
 80.00 Intersected line between Sections 9 and 10 and run N. 22 chains, 9 links N. of cor. to Sections 3, 4, 9 and 10, from

which corner I run N.89°56'W on true line.
Var.14°30'E.

- 00.50 Crossed Zanja 5 links wide. Course S.E.
2.00 To dry wash 80 links wide, course S.
10.00 To East base of South spur of a abrupt range, over which it was impossible to measure.
I set a redwood post and charred stake in mound with pits, as per instructions, from which a scrub oak 3 inches in dia. bears S.48° E. distant 87 links. Returned to random offset line where it intersected the line between Sections 9 and 10 and run N.89°56'W. 40 chains. Thence N.83.04 chains to $\frac{1}{4}$ sec. corner between Sections 4 and 9.
Var.14°30'E.
- 80.00 Met South base of high range at 10 chs. N. of temporary cor.
To corner to Sections 4, 5, 8 and 9.
Land mountainous. Soil 2nd rate.

Feb. 10th, 1871.

Returning to intersection post between Sections 20 and 21 on North line of San Antonio or Rancho Rodeo de Las Aguas. I run thence N. 83°10'W. retracing North line of the same

- Var.14°30'E.
- 48.84 To post and granite rock 30 x 12 x 11 inches for station No. 4 of the San Antonio, as set by Dapy. U.S. Surveyor Thompson. Thence N. 37° W., still retracing the boundary of San Antonio.
- 69.06 Set a post and charred stake in mound with pits as per instructions, on line between Sections 19 and 20. North between Sections 19 and 20.
Var.14°30'E.
- 4.53 Set post and charred stake in mound with pits as per instructions, for corner to Secs. 17, 18, 19 and 20.
-
- East on random line between Sections 17 and 20.
Var.14°30'E.
- 3.30 To creek 5 links wide, Course S.
40.00 Set temporary $\frac{1}{4}$ sec. cor.
80.04 Intersected at Post cor. to Sections 16, 17, 20 and 21. West on true line between Secs. 17 and 20.
Var.14°30'E.
- 40.02 Set $\frac{1}{4}$ Sec. cor. Post and charred stake in mound, with pits as per instructions.
80.04 To corner to Sections 17, 18, 19 and 20.

From corner to Sections 17, 18, 19 and 20 I ran West on true line

- Var.14°30'E.
- 2.33 Set post and charred stake in mound with pits as per instructions at intersection with boundary of Rodeo de los Aguas, distant 74.15 chs. from Station No. 4 of said Rancho and 67.49 from Sta. No. 5.

Returned to corner to Sections 17, 18, 19 and 20 I run North between Sections 17 and 18.

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

- 7.00 To center of creek 10 links wide, course S.
- 9.00 Left creek.
- 20.50 Enter swamp.
- 40.00 Set $\frac{1}{4}$ sec. cor. Post and charred stake in mound, with pits as per instructions.
- 60.00 Left swamp and commenced a gentle ascent.
- 65.00 To an adobe house 5 links E. of line.
- 68.00 To an oak tree 30 inches in diameter 130 links E. of line.
- 70.50 To an adobe house 80 links E. of line.
- 71.00 To House 7 chains W. of line.
- 75.40 To tall Sycamore 3 feet in diameter 2.50 chs. W. of line.
- 76.00 To road, Course E.
- 78.50 To center of clump of brushes on line 1 ch. in diameter.
- 80.00 Set post and charred stake in mound with pits as per instructions for corner to Sections 7, 8, 17 and 18. Land level for 60 chains. Soil for first 20 chains 1st rate. Next 40 chs. swamp. Last 30 chs. gently rising. Soil 2nd rate.

East on random line between Sections 8 and 17.

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

- 20.00 To foot of slope
 - 40.00 Set temporary $\frac{1}{4}$ Sec. cor.
 - 80.20 Intersected N. and S. line 35 links South of Post cor. to Sections 8, 9, 16 and 17, from which I run S. $89^{\circ}45' W$. on true line between Sections 8 and 17.
- Var. $14^{\circ}30'E$.
- 40.10 Set $\frac{1}{4}$ sec. cor. post and charred stake, in mound with pits as per instructions.
 - 80.20 To corner to Sections 7, 8, 17 and 18. Land sloping gently South. Soil 2nd rate.

Feb. 14, 1871

West on random line between Sections 7 and 18.

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

- 23.10 To N.E. corner of Juan Moreno's house 20 links South of line.
- 40.00 Set temporary $\frac{1}{4}$ sec. cor.
- 57.00 Enter chemical brush, course N. and S.
- 59.00 Left chemical.
- 66.00 To water course 20 links wide, course S.
- 77.40 To an old road, course N.W.
- 80.00 To corner to Sections 7 and 18, on West boundary of Township. Set temporary post.

I then made a diligent search for the old corner but was unable to find it and not knowing of any of the Government corners on the Range line nearer than the S.W. Cor. of the Township I went to that point, found the mound and pits well defined but to be better satisfied, I run East 40 chs. and found the $\frac{1}{4}$ Section cor. with mound and pits well defined.

Hence I returned to the S.W. corner of Township and
run thence:
North. Variation $14^{\circ}35'E$.

Retracing Range line between Township 1 South Ranges
14 and 15 West

6.46	To water course 50 links wide- course N.W.
33.00	To Pedro Dominguez house 40 links East of line.
36.00	To base of rolling hill.
40.00	To North slope of rolling hills. Could not find mound on account of so many squirrel holes.
60.00	To sheep corral, 5 chs. East of line
70.00	To ravine, course West 4 chains.
75.00	To top of ridge, course E. and W.
80.00	To corner to Sections 25, 30, 31 and 36, which I found 9 links to the East of my line with mound and pits well defined. Hence to retrace the west line of this town- ship I must use a

Var. of $14^{\circ}31'E$.

North, from old mound

Var. $14^{\circ}21'E$.

15.50	To Los Angeles road, course E. and commenced ascent of low hills.
21.50	To top of hill, course E. and W.
40.00	To center of mound of $\frac{1}{4}$ section corner between Sections 25 and 30- Found mound and pits well defined.
79.96	To center of mound for corner to Sections 19, 24, 25 & 30; found pits and mound well defined.

Thence

North

Var. $14^{\circ}21'E$.

40.04	To $\frac{1}{4}$ section corner, line cut center of mound pits and mound well defined.
65.50	To water course 50 links wide- Course S.E.
80.04	To corner to Sections 13, 18, 19 and 24. This point fell where two roads branch, one to Los Angeles and one to Cahuenga Pass; made a diligent search for corner but was unable to find it, so I reestablished the same by setting post in mound, with pits as per instructions.

Thence

North

Var. $14^{\circ}21'E$.

40.00	To $\frac{1}{4}$ section corner between Sections 13 and 18. Mound and pits visible but quite dim.
55.00	To base of slope.
79.00	To a point 9 links west of my temporary post.
80.00	To corner to Sections 7, 12, 13 and 18. I again made diligent search for the corner but was un- able to find it, so I reestablished the same by setting a redwood post and charred stake in mound, with pits as per instructions.

Thence on true line $N.89^{\circ}17'E$. between Sections 7 and 18.

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

40.09	To $\frac{1}{4}$ sec. corner, set post and charred stake in mound with pits as per instructions.
80.09	To corner to Sections 7, 8, 17 and 18.

Thence

North between Sections 7 and 8.

- Var. $14^{\circ}30'E$.
- 7.50 To wash 10 links wide- Course S.E.
20.00 To mouth of ravine 4 chs. wide running N.E. for about 20 chains.
22.00 To base of steep mountain range.
40.00 Set sand stone 18 x 13 x 8 inches 13 inches in ground as per instructions. Land for first 20 chs. hilly; soil poor- 2nd rate- Last 20 chs. barren steep mountain range. Impossible to measure further.
-

From corner to Sections 7, 12, 13 & 18 on West boundary of Township I ran South

- Var. $14^{\circ}21'E$.
- 4.40 Intersect the line of Rancho San Antonio or Rodeo de Las Aguas between Station No. 5 and No. 6, from which Station No. 5 of said Rancho bears $S. 70\frac{1}{2}^{\circ} E$. distant 49.71 chains. Set post and charred stake in mound as per instructions.
-

North from corner to Sections 7, 12, 13 and 18, on west boundary of Township, along west boundary of Sec. 7.

- 7.00 Commence steep ascent.
11.00 To base of steep spur
18.30 To top of spur, course S.W.
27.00 To west slope of hill- bounding a ravine on the East, course $N. 28^{\circ} E$.
38.30 To base of hill: in ravine.
40.00 Set $\frac{1}{4}$ section corner post and charred stake in mound with pits as per instructions 10 links west of a trail that leads up the ravine. Could proceed no further on account of the steep mountain range.
-

I then returned to line between Sections 8 and 9, at a point 22 chs. South of corner to Sections 4, 5, 8 and 9.

West on offset.

Variation $14^{\circ}30'E$.
13.00 chs. to a point 5 chs. E. of a hill on West side of Canada de Los Alisos. Thence $N. 21^{\circ} 15' W$, 23.80 chs. to a point on line between Sections 5 and 8. Canada here is 5 chs. wide and ranges $N. 21\frac{1}{2}^{\circ} W$. about 30 chains. West on true line.

- Var. $14^{\circ}30'E$.
- 1.60 To small clump of black walnuts.
2.00 To base of high precipitous hill.
18.37 Set a sandstone 18 x 14 x 10 inches, marked as per instructions for $\frac{1}{4}$ sec. corner between Sections 5 and 8.

John Goldsworthy,
U. S. Dep. Surveyor.

Tp. 1 S. R. 14 W. San Bernardino Meridian

Subdivision commenced July 8th, 1878.

At the established cor. to Secs. 2, 3, 10, 11,
North, between Sections 2 and 3.

Var. $15^{\circ}05'E$.

Ascend from Corner.

- 3.00 Top of ascent
- 10.00 To point of ridge and along the West slope of hill descending.
- 30.00 Cross Ravine 1 ch. wide, course S.W. and ascend.
- 40.00 (No. cor. found) Set Rock 12 x 10 x 18 in. for $\frac{1}{4}$ Sec. cor. raised mound of Rock 3 feet Square 20 in. high
- 48.50 Top of ascent, Ridge bears E. and W. Descend
- 54.00 Foot of descent, to ravine 40 lks. wide, Course West Ascend
- 58.50 Top of ascent and on East sloping Ridge.
- 75.00 Descend.
- 77.00 Foot of descent and cross dry ravine 30 lks. wide, bears $N. 80^{\circ}W$. Ascend
- 80.38 Intersect the Base line 30 lks. East of the established Corner to Secs. 34 & 35 T. 1 N. R. 14 W. Set large Sand Stone Rock 8 x 15 x 30 inches at the point of intersection, also made a rock mound 3 feet Sq. 20 inches high.

Land rough and broken, covered with Chaparral brush.
Soil 3rd rate.

Commenced at the Cor. to Secs. 3, 4, 9, 10 North between Sections 3 and 4.

Var. $15^{\circ}10'E$.

- 8.00 Found mound of rock.
-----Ascend.
- 15.00 Top of ascent and over broken ground.
- 17.00 Descend
- 22.00 Foot of descent and ascend
- 30.00 Top of ascent
- 31.00 Descend
- 38.00 Foot of descent and enter ravine running South.
- 40.00 Set large Hornblend rock 8 x 8 x 24 inches Set in ground 12 inches, place 4 other large rock around the first Rock Set for $\frac{1}{4}$ Sec. Cor.
- 45.00 Cross ravine 1 chain wide, course South thence along the right bank of same.
- 50.00 Cross ravine (same) 1 chain wide $80^{\circ}E$. Ascend
- 58.00 Top of ascent, Ridge bears $S. 65^{\circ}E$.
- 59.00 Descend.
- 62.00 Foot of descent to ravine 50 lks. wide, bears $S. 65^{\circ}E$. Ascend
- 72.00 Top of ascent & ridge, which bears $S. 65^{\circ}E$. descend
- 76.00 Foot of descent cross ravine 20 lks. wide, course $S. 65^{\circ}E$.
- 80.12 Intersect the Base line 23 lks. East of the true corner to T. 1 N. R. 14 W. Secs. 33-34 and 3 chs. 78 lks. West of the witness corner established on Base line for corner: Secs. 33 and 34. Land very broken, covered with thick chaparral brush. Soil 3rd rate.

Commenced at the Cor. to Secs. 4, 5, 8, 9 East, between Sections 4 and 9 (on a random line).

Va. 15° 10' E.

- 40.00 Set temporary $\frac{1}{4}$ Sec. cor.
70.00 Intersect La Brea Ranch line.
80.00 Intersect at the established corner to Sections 3, 4, 8, 10.
West on true line bet. Secs. 4 & 9.
Va. 15° 10' E.
- 10.00 To stake & mound La Brea Rancho.
Station No. 15.
40.00 Set Rock 10 x 12 x 16 inches Set in a Rock mound 3 ft. sq.
20 inches high for $\frac{1}{4}$ Sec. Cor.
80.00 The Cor. to Secs. 4, 5, 8, 9.
Land broken hills, brush, chaparral. Soil 3rd rate.

Commence at the Cor. to Secs. 4, 5, 8, 9 North between Sections 4 and 5.

Va. 15° 10' E.

- 18.00 Foot of descent, cross ravine 20 lks. wide, course West & ascend
27.00 Top of ascent, Ridge bears S. 80° E. Descend
37.00 Foot of descent and enter canon 50 lks. wide, course ^{S.} 5° W.
40.00 Set large sandstone rock 8 x 10 x 30 in. for $\frac{1}{4}$ sec. Cor.
Raised mound of rock 3 ft. dia. 20 inches high.
42.00 Leave Canon, ascend E. slope of hill.
53.00 To canon and in same. Course S. 55° E.
62.00 Leave same, ascend.
69.00 Top of ascent, Ridge bears E. & W. descend
74.00 Foot of descent.
75.50 Cross dry ravine 20 lks. wide, course S. 65° E.
80.10 Intersect the Base line at the established corner to T. 1 N. R. 14 W. Secs. 32 & 33.
Land very broken, rough mountains, covered with dense chaparral. Soil 3rd rate.

Commenced at the $\frac{1}{4}$ sec. corner between Sections 7 and 8, 40 chains North of Cor. to Secs. 7, 8, 17 and 18. Found the cor. in good condition North, between Sections 7 and 8.

Va. 15° 00' East.

- 2.50 Cross head of ravine 40 lks. wide, corner S.W. and ascend.
17.00 Top of ascent, Ridge bears E. & W. Descend
27.00 Foot of descent & cross ravine 50 lks. wide, course S. 20° W.
ascend
39.00 Top of ascent, Ridge bears S.W.
40.00 Set Rock 16 x 22 x 12 inches for cor. to Secs. 5, 6, 7 and 8
in mound of rock 3 feet square 24 in. high.
Land broken mountains covered with thick chaparral.
Soil 3rd rate.

East between Sections 5 and 8.

Va. 15° 00' East.

- 40.00 Along the N.W. slope of hill
Intersect corner as formerly established by Deputy Surveyor Goldsworthy. Finding it impracticable to reach the Cor. to Secs. 4, 5, 8 and 9, I discontinued the line and returned to Cor. to Secs. 5, 6, 7 and 8,
from which corner I ran

West, on random between Secs. 6 and 7.

Va. $15^{\circ}00'E$.

- 40.00 Set temporary $\frac{1}{4}$ Sec. corner.
80.12 Intersect the West Body of the Tp. at the corner of Secs. 1, 6, 7 and 12 East on a true line bet. Secs. 6 and 7.
Va. $15^{\circ}00'E$.
- 3.00 Cross ravine 50 lks. wide, course S.W.
15.00 Top of ascent, descend.
21.50 Foot of descent, Ascend.
28.00 Top of ascent. Ridge bears S.E. Descend.
35.80 Foot of descent, cross Ravine 20 lks. wide, course S. $50^{\circ}W$. ascend
40.12 Set Rock 6 x 8 x 15 inches for $\frac{1}{4}$ Sec. cor. raised a stone mound 3 ft. sq. 20 inches high.
51.00 Top of ascent, Ridge bears S. $60^{\circ}W$. descend.
59.00 Foot of descent, cross Ravine 40 lks. wide, corner S. $60^{\circ}W$. ascend.
74.00 Top of ascent and cross sharp spur of Ridge bears S. $60^{\circ}W$.
80.12 To the Cor. to Secs. 5, 6, 7 & 8.
Land very broken mountains, covered with thick chaparral.
Soil 3rd rate.

Commenced at the cor. to Secs. 5, 6, 7 & 8.
North, between Sections 5 and 6.

Va. $15^{\circ}00'$ East.

- Ascend from corner
11.00 Top of ascent, Ridge bears N. $60^{\circ}W$. Descend over broken ground.
40.00 Set large stone 8 x 10 x 18 inches in Mound of Rock 4 ft. square 20 in. high for $\frac{1}{4}$ Sec. Cor. Ascend over broken ground.
60.00 Top of ascent, descend
70.00 Foot of descent & cross canon 150 lks. wide, course East, ascend.
79.00 Top of ascent.
80.04 Intersect the Base line at the established Cor. to Secs. 31 and 32.

Land rough, broken mountains, covered with thick chaparral brush.

Survey completed on the 22nd day of July, 1879.