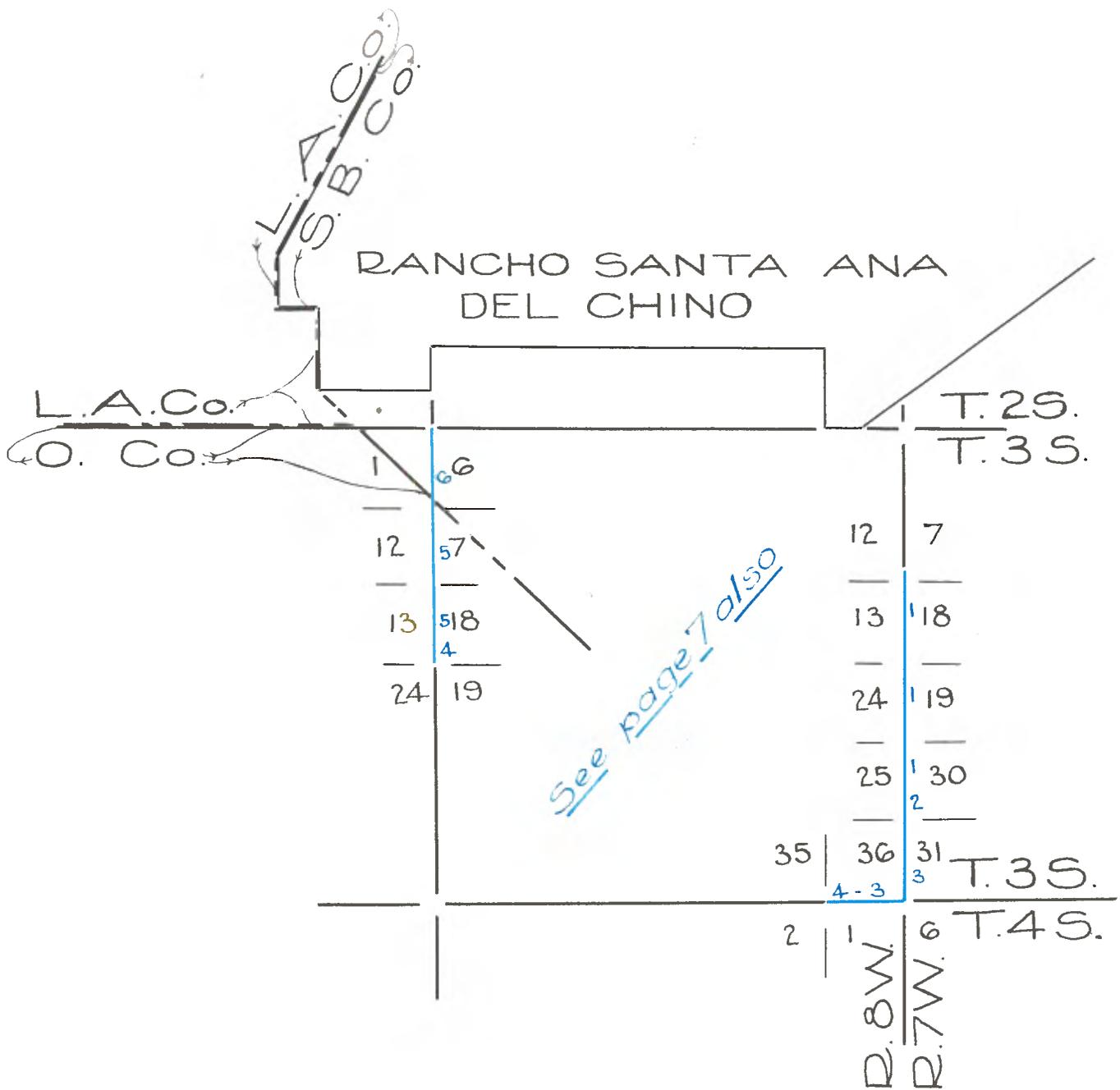


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Blue, Henry Hancock - 1865

EAST BOUNDARY, TOWNSHIP 3 SOUTH, RANGE 8 WEST,
SAN BERNARDINO MERIDIAN.

FIELD NOTES of the Survey of the Exterior boundaries of T.3 S.,
R.8 W., San Bernardino Meridian, in the State of California, as
executed by HENRY HANCOCK, Deputy Surveyor, under his Contract,
bearing date March 7, 1865.

SURVEY commenced May 26, 1865.
SURVEY completed May 27, 1865.

By retracing the previously established East boundary of Section
12, I found that my compass must be adjusted to a variation of
14° E.

COMMENCING at a Station on the East boundary of Sec. 12, 75, 23
chs. S. of cor. to Secs. 1, 6, 7 & 12, I run,
SOUTH on line between Ranges 7 & 8 West, 4.77 chs. to complete the
E. boundary of Sec. 12, therefore, at
80.00 Set post in mound with pits as per instructions for cor. to Secs.
7, 12, 13 & 18,
Land hilly, soil 2nd rate.

SOUTH on E. boundary of SECTION 13.
Variation 14° E.
1.00 Cross gulch 1 ch. wide, course E.
11.00 To summit of ridge, course N.E.
40.00 Set sandstone rock 14 x 12 x 3 for $\frac{1}{4}$ Sec. cor. as per instructions.
60.00 Commence to descend ridge, course S.W.
76.00 Cross gulch 25 lks. wide, course S.W.
80.00 Set post in mound with pits as per instructions, for cor. to Secs.
13, 18, 19 & 24.
Land broken, soil 2nd rate.

SOUTH ON EAST BOUNDARY OF SEC. 24.
Variation 14° E.
2.50 Cross dry gulch 12 lks. wide, course S.E.
40.00 Set $\frac{1}{4}$ Sec. post in mound with pits as per instructions.
71.00 Cross dry wash 30 lks. wide, course S.E.
80.00 Set a sandstone rock 12 x 9 x 8 on E. face of Canada near its mouth
for cor. to Sections 19, 24, 25 & 30, as per instructions.
Land hilly, soil 2nd rate.

SOUTH ON EAST BOUNDARY OF SECTION 25,
Variation 14° E.
9.50 To high bluff of River Santa Ana ranging E. & W.
12.00 Enter bottom land.
29.00 To River Santa Ana, course W.
32.00 Across same.
40.00 Set a sandstone rock 16 x 12 x 7 as per instructions for $\frac{1}{4}$ Sec. cor.
on the S.E. slope of the summit of a hill formed by a spur of the
mountain Santa Ana on the South. Could extend the line no farther
South, on account of the Santa Ana Mountain.

EXTERIOR BOUNDARIES T.3 S.R.8.W.S.B.M.

SURVEY made with a Burt's Solar compass with telescopic attachment made by John Roach San Francisco Cal on the night of Oct.17,1894. I go to the cor to townships 3 and 4 S. Rs 7 and 8 W. which is a post 4 ins.square standing 1 foot above a mound of rock 2 ft.high, 4 1/2 ft.base, marked

T.3 S., 31 on N.E.
R.7 W. S.6 on S.E.
T.4 S. S.1 on S.W. and
R. 8 W. S.36 on N.W. faces
With 6 notches on each edge at this cor.

At 9.27 P.M. Oct. 17,1894,
Longitude 117° 40' W.

I observe polaris in accordance with the instructions contained in the manual, I find the magnetic bearing of the star to be N.13°40' W.

Correct local mean time of observation,	9.27
Local mean time U.C.of Polaris Oct. 16,	<u>11.38.1</u>

which taken from time of observation leaves

Hour angle,	21.43.9
Subtract	<u>23.56</u>

Argument for table 11	2.07.1
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Azimuth of Polaris for

1st 34° 50' N.	49.E
North end of needle,	<u>13°40'E</u>

The sum is the va	14°29'E.
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I lay off the azimuth 49' to the West and mark the meridian so found.

EAST BOUNDARY.

From the cor.to Tps. 3 and 4 S., Rs.7 and 8 W. previously described Oct.8, 1894, I run North on a random line bet.Ranges 7 and 8 West, with magnetic variation 14° 29' E. setting temporary cors.at each 40 and 80 chs.and at 122.11 chs I arrive at a point 52 lks.E.of old 1/4 Sec.Cor.bet.Secs. 25 and 30, which is a granite stone 16 x 12 x 8 ins.11 ins.in the ground marked 1/4 on W.face, I raised a mound of stone 2 ft.high 4 1/2 ft.base alongside.

Field Notes of original survey describe the cor.as a sandstone, The cor.I found has apparently been set for a long time; thence, I run,

S.0° 15' E.on a true line bet.Secs. 25 and 30, with same va.

x x

- Ascending open land.
15.10 To top of hill, course N.W. and S.E. + 250 ft.
Descend.
18.20 Fence, course N.60° W. and S.60° E.
Border's house bears N. 70° W. 300 chs.dist.enter cultivated field - 75 ft.
40.80 Leave cultivated field course N.W.and S.E.
Enter willow thicket.

EXTERIOR BOUNDARIES T.3 S., R.8 W.,
S. B. M.

42.11 Set a sandstone 12 x 8 x 8 ins. 5 ins. in the ground for cor. to Secs. 25, 30, 31, and 36, marked with 5 notches on the N. and 1 notch on S. edges and raised a mound of stone 2 ft. high, 4 ft. base alongside of willow thicket.
Land rolling 1st 18.20 chs.
Rest level land.
Soil 2nd and 1st rate.

S. 0° 15' E, on a true line bet. Secs. 31 and 36,
Va. 14° 29' E.
Over bottom land.

3.10 Leave bottom land, course E. and W.
Ascend abruptly.

4.45 To of abrupt ascent +30 ft.
Thence across flat.

5.50 Road to Santa Ana
Course N. 50° E. and S. 50° W.

10.00 Leave flat course E. and W. and ascend
10.40 Intersect boundary of rancho L.A. Sierra (Yorba) at a point whence cor. No. 20 of the Rancho described in book of subdivisions bears N. 77½° W. 12.07 chs.
At a point of intersection I set an elder post 4½ ft. long, 4 ins. square with a marked stone 12 ins. in the ground for cor. to fractional Secs. 31 and 36, marked,

L. S. on N.
T. 3 S. on S.
R. 7 W. S. 31 on E. and
R. 8 W. S. 36 on W. faces
Raised a mound of stone 2 ft. high, 4½ ft. base around post.
No trees within limits.
Pits impracticable.

12.90 Spur course N.W. +90 ft.
Descend.

25.80 Gulch 10 lks. wide, course N. 60° W. -300 ft.
Ascend.

40.00 Set a live oak post 4½ ft. long, 4 ins. square with marked stone 12 ins. in the ground for ¼ sec. cor., marked ¼ S. on W. face,
Dug pits 18 x 18 x 12 ins. N. and S. of post 5½ ft. dist.
raised mound of earth 2 ft. high, 4½ ft. base around post.

56.00 Spur, course N.W. +700 ft.
Descend.

63.10 Gulch 10 lks. wide, course N.W. -150 ft.
Ascend dense brush.

80.00 The cor. to Tps. 3 and 4 S., Rs. 7 and 8 W.
Land mountainous.
Soil 3rd rate.
Dense oak brush.

From the cor. to Tps. 3 and 4 S., Rs. 7 and 8 W., previously described.
I run West on a random line bet Secs. 36 and 1,
Va. 14° 29' E.

39.40 To a point 160 lks. S. of old ¼ sec. cor., which is a post 4 ins. square marked ¼ S. on W. face standing 1½ ft. above rock mound 1½ ft. high, 3 ft. base,

EXTERIOR BOUNDARIES T.3 S., R.8 W., S.B.M.
E. boundary

- Thence I run,
S. 87° 40' E. on a true line bet. Secs. 36 and 1,
with same va.
Over rough broken land.
- 29.10 Spur course N. 30° W.
Descend.
- 34.20 Ravine 5 lks. wide, course N. 30° W. - 150 ft.
Ascend.
- 39.43 The cor. to Tps. 3 and 4 S., Rs. 7 and 8 W.
Land mountainous.
Soil 3rd rate.
-

South Boundary.

- I now return to the $\frac{1}{4}$ sec. cor. bet. Secs. 36 and 1,
Thence I run,
West on a random line bet. Secs. 36 and 1,
Va. 14° 29' E.
- 39.71 To old cor. to Secs. 1, 2, 35 and 36, which is a cedar post 4 ins.
square marked,
- T. 3 S., S. 36 on N.E.
R. 8 W., S. 1 on S.E.
T. 4 S., S. 2 on S. W. and
S. 35 on N. W. faces with 1 notch on E. and 5 notches on W. edges.
- Post stands 1 ft. above rock mound, 2 ft. high, 3 ft. base,
- Thence, I run,
East on a true line bet. Secs. 36 and 1 with same va.
Over rough broken land.
- 30.81 To cor. at intersection of the boundary line of Rancho Lomas de
Santa Ana which is a post 4 ins. square marked,
- L. S. on W.
T. 3 S., R. 8 W., S. 36 on N. and
T. 4 S., R. 8 W., S. 1 on S. faces
- Post stands 1 ft above rock mound 1 $\frac{1}{2}$ ft high 4 ft base
- 34.60 Ridge, course N. 70° W. and. S. 70° E.
Descend.
- 39.71 The $\frac{1}{4}$ sec. cor. bet Secs. 36 and 1
Land mountainous,
Soil 3rd rate.

Oct. 18, 1894.

West Boundary

- Having found the reported distance of the West boundary of
Sec. 18 at variance with the line bet. Secs. 17 and 18 on the
morning of Oct. 19, 1894.
I go to the cor. to Secs. 13, 18, 19 and 24,
previously described.
- Thence, I run,
North on a random line bet. Secs. 13 and 18,
Va. 14° 29' E.
- 41.12 To a point 15 lks. W. of old $\frac{1}{4}$ sec. cor., which is a granite rock
18 x 11 x 8 ins. 12 ins. in the ground, marked $\frac{1}{4}$ on W. face,

EXTERIOR BOUNDARIES T.3 S., R.8 W., S.B.M.
West Boundary.

Raised a mound of stone 2 ft. high, 4 ft. base alongside,
Thence, I run,
S. 0° 13' W. on a true line bet. Secs. 13 and 18, with same va.
Descending rough broken land.
18.70 Ravine 10 lks. wide, course S. 70° W. -450 ft.
Thence over rough broken land
41.12 The cor. to Secs. 13, 18, 19 and 24,
Land mountainous.
Soil 3rd rate.

I now return to the $\frac{1}{4}$ sec. cor. bet Secs. 13 and 18, thence, I run,
North on a random line between Secs. 13 and 18,
Var. 14° 29' E.
44.33 To old cor. to Secs. 7, 12, 13, and 18, which is a sandstone rock
16 x 7 x 6 ins. 11 ins. in the ground marked with 2 notches on N.
and 4 notches on the S. edges
Raised a rock mound 2 ft. high, 4 ft. base alongside,
Thence I run,
South on a true line bet. Secs. 13 and 18, with same va.
Ascending broken land
24.10 Spur course S. 60° W. +600 ft.
Descend.
44.33 To $\frac{1}{4}$ sec. cor. between Secs. 13 and 18,
Land mountainous.
Soil 3rd rate.

I now return to the cor. to Secs. 7, 12, 13, and 18, and run
North on a random line bet. Secs. 7 and 12,
Va. 14° 29' E.
41.89 To old $\frac{1}{4}$ sec. cor., which is a sandstone rock 16 x 7 x 6 ins. 11 ins.
in the ground, marked $\frac{1}{4}$ on W. face
Raised a rock mound 1 $\frac{1}{2}$ ft high 3 $\frac{1}{2}$ ft base alongside.
Cor. stands on high spur, course S. E.
Thence I run,
South on a true line bet Secs. 7 and 12, with same va.
Descending broken land.
23.70 Ravine 5 lks. wide, course S. W. -600 ft.
Ascend broken land.
41.89 The cor. to Secs. 7, 12, 13, and 18,
Land mountainous.
Soil 3rd rate

I now return to the $\frac{1}{4}$ sec. cor. bet. Secs. 7 and 12,
Thence I run North on a random line bet. Secs. 7 and 12,
Va. 14° 29' E.
43.05 To a point 21 lks. W. of old cor. to Secs. 1, 6, 7, and 12 which is
a gray sand stone 24 x 8 x 7 ins. 18 ins. in the ground marked with
1 notch on N. and 5 notches on S. edges, raised a mound of stone
2 ft. high, 4 ft. base alongside,
Thence I run,
S. 0° 17' W. on a true line bet. Secs. 7 and 12 with same va.
Ascending rough broken land.
43.05 The $\frac{1}{4}$ sec. cor. bet Secs. 7 and 12,
Land mountainous.
Soil 3rd rate.

October 19, 1894.

EXTERIOR BOUNDARIES T.3 S., R.8 W., S.E.M.
West Boundary.

Oct. 20, 1894.

I now return to the cor. to Secs. 1, 6, 7, and 12,
Thence I run
North on a random line bet. Secs. 1 and 6,
Va. 14° 29' S.

- 38.90 To a point 71 lks. W. of old $\frac{1}{4}$ sec. cor. which is a gray sand stone
rock 30 x 12 x $\frac{1}{4}$ ins. 20 ins. in the ground, marked $\frac{1}{4}$ on W. face,
Raised a mound of stone 2 ft. high, 4 ft. base along side,
Thence I run,
S. 1° 03' W. on a true line bet. Secs. 1 and 6, with same va.
Descending broken land,
19.10 Soucal creek 25 lks wide
Course S. 70° W.
Ascend broken land
38.91 The cor. to Secs. 1, 6, 7, and 12,
Land mountainous.
Soil 3rd rate.

I now return to the $\frac{1}{4}$ sec. cor. bet. Secs. 1 and 6, thence I run
North on a random line bet. Secs. 1 and 6,
Va. 14° 29' E.

- 36.72 To a point 363 lks. W. of old cor. to Tps. 2 and 3 S. Rs. 8 and 9
W. which is a post 4 ins. square standing in old rock mound marked
T. 2 S., R. 8 W., S. 31 on N.E.
T. 3 S., R. 8 W., S. 6 on S. E.
R. 9 W., S. 1 on S. W. and
S. 36 on N. W. faces with 6 notches on each edge.

Post is in good condition
Rebuilt rock mound 2 ft. high, 4 $\frac{1}{2}$ ft. base around post.
Cor. stands on ridge, course N.W. and S.E.
Thence I run,

- 12.10 S. 5° 39' W. on a true line bet. Secs. 1 and 6 with same va; descending. -200 ft.
Gulch 10 lks. wide, course S.W.
Ascend.
20.70 Spur, course S.W. +150 ft.
Descend.
36.90 The $\frac{1}{4}$ sec. cor. bet. Secs. 1 and 6,
Land mountainous.
Soil 3rd rate.

October 20, 1894.

TOWNSHIP 3 S., R. 8 W., S.B.M.

LATITUDES	DEPARTURES	AND	CLOSING ERRORS.			
			LATITUDE	DEPARTURE.		
LINE DESIGNATED	TRUE BEARING	DISTANCE	N.	S.	E.	W.
E. bdy. Sec. 36.	S. 0° 15' E.	69.60		69.60	.30	
E. bdy. Sec. 36.	N. 87° 40' W.	39.43	1.60			39.40
S. bdy. Sec. 36.	West.	8.90				8.90
W. bdy. Sec. 36.	N. 3° 45' W.	67.65	67.51			4.42
N. bdy. Sec. 36.	N. 70° E.	5.00	1.67		4.71	
N. bdy. Sec. 36.	N. 26° E.	6.00	5.39		2.63	
" " "	N. 50° E.	10.00	6.43		7.66	
" " "	S. 67° 12' E.	27.91		10.81	25.72	
" " "	S. 77° E.	12.09		2.67	11.79	
			82.60	83.08	52.81	52.72
				82.60	52.72	
Error in Latitude,				.48	.09	Error in Dep.

See Page 11.

LINE DESIGNATED	TRUE BEARING	DISTANCE	LATITUDE DEPARTURE			
			N.	S.	E.	W.
S. bdy. Sec. 17.	West	80.00				80.00
S. bdy. Sec. 18.	West	84.17				84.17
	N. 0° 13' E.	41.12	41.12		.16	
W. bdy. Sec. 18.	N. 0° 13' E.	41.12	41.12		.16	
W. bdy. Sec. 18.	North	44.33	44.33			
W. bdy. Sec. 7	North	41.89	41.89			
W. bdy. Sec. 7	N. 0° 17' E.	43.05	43.05		.21	
W. bdy. Sec. 6	N. 1° 03' E.	38.91	38.90		.71	
W. bdy. Sec. 6	N. 5° 39' E.	36.90	36.72		3.63	
N. bdy. Sec. 6	East	78.56			78.56	
E. bdy. Sec. 6	South	81.37		81.37		
Det. Secs. 7 & 8.	South	80.00		80.00		
Det. Secs. 8 & 7.	East	80.00			80.00	
E. bdy. Sec. 17	South	40.00		40.00		
E. bdy. Sec. 17	S. 0° 40' E.	44.98		44.98	.52	
			246.01	246.35	163.79	164.17
				246.01		163.79
Error in Latitude,				.34	Error in	.38
					Dep.	

OFFICE OF U.S.SURVEYOR-GENERAL.

San Francisco, Cal. April 14, 1896.

THE FOREGOING FIELD-NOTES OF THE SURVEYS OF THE EXTERIOR LINES OF TOWNSHIP 3 SOUTH, RANGE 8 WEST, SAN BERNARDINO MERIDIAN, in the State of California, executed by JOHN C. RICE, U.S. Deputy Surveyor, under his Contract 105, dated November 28th, 1892, having been critically examined, and the necessary corrections and explanations made, the said Field Notes and the surveys they described are hereby approved.

(SEAL)

W.S.GREEN
U.S. Surveyor-General for California.

OFFICE OF U.S.SURVEYOR-GENERAL.

San Francisco, Cal., April 14, 1896.

I, U.S. Surveyor-General for California, do hereby certify that the foregoing Transcript has been correctly copied from the original Field Notes, as the same remain of record and on file in this office.

ATTEST my hand and OFFICIAL SEAL, the day and date herein above written.

W.S.GREEN
U.S. Surveyor-General for California.