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D. 10W.							
36	31	32	33	34	35	36	31
	³	²	²	²	¹	¹	¹
1	⁵ 6	5	4	3	2	1	⁸ 6
12	⁵ 7					12	⁸ 7
13	⁵ 18					13	⁸ 18
24	⁶ 19					24	⁹ 19
25	⁶ 30					25	⁹ 30
36	⁶ 31	32	33	34	35	36	⁹ 31
	⁸	⁷	⁷	⁷	⁷	⁶	
1	⁶	5	4	3	2	1	⁶

--- T. 15.

North line run by Henry Washington - 1852
 no record of who ran other lines

EX. LINES, T.1S., R. 10 W., S.B.M.
S.B.f. 1 N., R.9 W.

80.00 Set charred oak stake and charred pine post S.W. T.1 N.,
R.9 W.
From which bears
Sycamore S.89°45' E. 238 lks.dist.
9 ins.dia. T.1 S., R.9 E., S.6.
Sycamore S.34° W. 400 lks.dist. 14 m dia. T.1 S., R.10 W. S.1
Sycamore N.89°30' E. 213 lks.dist. 8 m.dia. T.1 N., R.9 W.
S.31.
Sycamore N.89° W, 1049 lks.dist. 12 m.dia. T.1 N., R.9 W.,
S.36.
First 36 chs.broken surface being very hilly, wild sage and
bushes.
No timber, 3d rate land, partly 2d, Residue level, scattering
timber of Sycamore and oak, bushy with heavy growth of
prickly pear in places.

NOTE:

The high hills noted on the 4th, 5th, and 6th miles on
South Bdy of T.1 N., R.9 W., do not extend to the Coast
Range of mountains, but are surrounded by a large Valley.
Ascertaining the variation of the Needle at a point about
120 chs. N.W. from the S.E. of T.1 N., R. 10 W. on the
night of 19th Dec.1852.
Found to be as near as may be 13° 45' East.
19th Dec.1852.

EX. LINES T. 1 S., R. 10 W., S.B.M.
S.B.f. 1 N., R. 10 W.

Variation of the needle 13°45' E. West 1st mile on South
Bdy of T.1 N., R. 10 W.
40.00 Oak stake, charred and charred.
Sycamore $\frac{1}{2}$ Sec.post in a mound of earth from which the center
of 4 pits bears
North 10 lks, South 10 lks, East 10 lks and West 10 lks.
Planted 4 olive seeds.
80.00 Charred oak stake and charred Sycamore post, in a mound of
earth, from which, being a Cor. to Secs.35 and 36, T.1 N.,
R. 10 W., Secs. 1 and 2, T. 1 S., R. 10 W.
The center of 4 pits, bears N. 45° E. 11 lks. S. 45 W.,
11 lks. S. 45° E. 11 lks. N. 45° W.11 lks.
Planted 4 olive seeds.

NOTE:

Last mile 1st rate, level open Prairie.
The Rancho, claimed by Henry Dalton and known by the name of
"Agusa" now occupied by George Dalton, bears N.32°45' W.
There being a heavy growth, extending nearly to the mountains,
of Post Oak and Red Oak, E. and S.E. of this Rancho.

20.00 West 2d mile, on South Bdy of T.1 N. R. 10 W.
To Dalton's improvement, nearly N. and S.
40.00 Charred Oak stake and charred Sycamore $\frac{1}{2}$ Sec.post. in a
mound of earth - from which the center of 4 pits bears North
10 lks. South 10 lks, East 10 lks, West 10 lks.

EX. LINES T. 1 S., R. 10 W., S. B. M.
S. B. T. 1 N., R. 10 W.
S. B. M.

Planted 4 olive seeds.
NOTE: At least $\frac{1}{4}$ Sec. Cor. Rancho "AZUSA" bears N. 2° 30' E.
45.20 Leave Improvement, bearing N. 10° E. nearly to Dalton's dwelling
S. 10° W. about 10 chs.
58.50 Cross road leading to Los Angeles, course S. 35° W
60.20 To Ranch, 5 lks. wide, course S. 35° W. to scrub, bearing S. 35° W.
80.00 Oak charred stake and charred Alder post in a mound of earth,
corner to Secs. 34 and 35, T. 1 N., R. 10 W., Secs. 2 and 3,
T. 1 S., R. 10 W. from
which the center of 4 pits bears N. 45° E. 11 lks. dist.
S. 45° W. 11 lks. dist.
S. 45° E. 11 lks.
N. 45° W. 11 lks.
Planted 4 olive seeds.
First 69.20 chs. 1st rate level Prairie, light soil-residue
wavy, scrub, stony, prickly pear, 3rd rate.

West, 3rd mile, on South Bdy. of
T. 1 N., R. 10 W.
40.00 Charred oak stake and charred
Sycamore $\frac{1}{4}$ Sec. post, in a mound of earth, from which the center
of 4 pits bears North 10 lks. South 10 lks, East 10 lks. West
10 lks.

Planted 4 olive seeds.
80.00 Charred oak stake and charred Alder post in a mound of earth
from which the center of 4 pits bears N. 45° E. 11 lks.
S. 45° W. 11 lks. N. 45° W. 11 lks. S. 45° E. 11 lks, being
a corner to Secs. 33 and 34, Township 1 North, Range 10 West
and Secs. 3 and 4, Township 1 South, Range 10 West.
Last mile moderately wavy, cedar, prickly pear, wild sage.
Stony, 3rd rate- scrub.
Dec. 20, 1852.

West, 4th mile, on South Bdy of T. 1 N., R. 10 W.
40.00 Charred willow stake and
Charred Sycamore $\frac{1}{4}$ Sec. post,
From which bears
bears a cedar N. 45° W. 105 lks. dist. 8 in. dia.
Swamp dogwood S. 20° E. 163 lks. 4 in. dia.
80.00 Charred oak stake and charred Alder post.
From which bears-
Swamp dogwood N. 57° 30' E. 300 lks. dist. 5 in. dia. T. 1 N., R. 10 W.
S. 33.
Swamp dogwood N. 34 $\frac{1}{2}$ ° W. 114 lks. dist.
3 in. dia. T. 1 N., R. 10 W. S. 32
Cedar S. 66 $\frac{1}{2}$ ° E. 76 lks. dist. 12 in. dia.
T. 1 S., R. 10 W. S. 4
Swamp dogwood N. 60° W. 72 lks. dist 4 in. dia. T. 1 S., R. 10 W. S. 5.
Last mile moderately wavy and level, poor 3rd sandy and rocky,
scrub, with scrub growth of cedar, oak, swamp dogwood, wild sage-
brushes, prickly pear, etc.

West, 5th mile on South Bdy. of T. 1 N., R. 10 W.
30.00 To ravine, dry, 70 lks. wide, course S. W. to low rocky surface,
overflows.
40.00 Charred $\frac{1}{4}$ Sec. post, in a stone mound.

EX. LINES, T. 1 S., R. 10 W., S. B. N.
S. B. T. 1 N., R. 10 W., S. B. N.

From which bears

- 44.90 An oak, S. 84° W. 318 lks. dist. 8 in. dia. Swamp dogwood, N. 14°
E. 263 lks. 4 in dia.
46.90 To a stream, set in motion by recent rains.
50.50 Cross stream, 200 lks. wide, general course S. 34° W. rocky bottom,
swift current, 24 in. deep, being a branch of San Gabriel river.
56.00 Crossed stream 15 lks. wide, course South (like the former) a
periodical stream.
59.00 To San Gabriel River, course S. W. constant stream.
71.00 Cross the river, very high water upwards of 40 in. deep. Swift
current, rocky bottom, course S. W.
75.50 Cross stream, 200 lks. wide,
supposed to be a branch of San Gabriel River, shallow, course S. W.
80.00 Cross another stream, periodical.
130 lks. wide, shallow course S. W.
Set charred stake and cedar post in mound of earth, corner to
Secs. 31 and 32, Township 1 North, Range 10 West, Secs. 5 and 6, T.
1 S. R. 10 W., from which the center of 4 pits bears N. 45° E. 11
lks. S. 45° W. 11 lks. N. 45° W. 11 lks. S. 45° E. 11 lks.
Last mile 3rd mostly thick brushy, low rocky, sandy land, most of
the mile apparently subject to inundation from the San Gabriel
River.
- NOTE- The streams noted on the last mile, being branches of the San
Gabriel River and mere gullies in dry weather, strictly speaking,
are not, in my opinion, worthy of notice, issuing from and
returning to the main river.
- x Stopped here by heavy rains and high water.
22nd Dec., 1852.

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- 17.00 West, 6th mile, on South Bdy. of T. 1 N., R. 10 W.
To stream (periodical) swift current, rocky bottom 18 in. deep,
course S. W.
18.00 Cross stream, high water, banks 4 ft. high, a branch from the San
Gabriel river.
40.00 Charred oak stake, and charred $\frac{1}{4}$ Sec. post of pine.
From which bears,
Scrub Oak, N. 28 $\frac{3}{4}$ ° E. 212 lks. dist. 4 in. dia.
Swamp dogwood, S. 48 $\frac{3}{4}$ ° E. 92 lks. dist 3 in. dia.
80.00 Set charred oak stake and charred oak post, 6th mile post in mound
of earth, to T. 1 N. R. 10 W., S. 31
T. 1 N., R. 11 W. S. 36
T. 1 S., R. 10 W., S. 6.
T. 1 S., R. 11 W., S. 1.
From which bears,
the center of to pits - N. 45° E. 11 lks. S. 45° W. 11 lks.
N. 45° W. 11 lks. S. 45° E. 11 lks.
Scrub oak, S. 34° E. 84 lks. 4 in. dia.
No other bearing tree convenient.
Planted 4 olive seeds.
First 18 obs. rocky and sandy, low, poor, brushy scrub, overflows
in high water, apparently from 1 to 2 ft. residue level, 3rd
scrub oak, wild sage brush, cedar swamp dogwood, prickly pear.
- NOTE- The scrub, commencing at 69 obs. 20 lks. on the 2nd mile on South
Bdy. of T. 1 N., R. 10 W., is almost invariably a thin sandy,
rocky surface, interspersed with gullies.
27th Dec. 1852.
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PRELIMINARY OATHS OF ASSISTANTS

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We, Wm. Murlock and Geo. Hansen do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level the chain upon even and uneven ground and plumb the tally-pins, either by sticking or dropping the same; that we will report the true length of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the South, East and West Bdy. lines— T.1 S., R. 10 W., S.B.M.

WM. MURLOCK, Chairman.
GEO. HANSEN, Chainman.
Chainman.
Chainman.

Subscribed and sworn to before me this 15th day of August, 1853.

W.G. DRYDEN,
Justice of the Peace.

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We, Rich L. Northrup and Jacob Bell, do solemnly swear that we will well and truly perform the duties of axemen, in the establishment of corners and other duties, according to instructions given us, and to the best of our skill and ability, in the survey of South, East and West Bdy. lines of T.1 S., R.10 W., S.B.M.

Rich. Northrup, Moundman.
Jacob Bell, Moundman.

Subscribed and sworn to before me this 15th day of August, 1853.

W.G. DRYDEN,
Justice of the Peace.

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I, Julius Weyse,
do solemnly swear that I will well and truly perform the duties of flagman, according to instructions given me, and to the best of my skill and ability, in the survey of the South, East, and West Bdy lines of T.1 S., R.10 W., S.B.M.

JULIUS WEYSE, Flagman.

Subscribed and sworn to before me this 15th day of August, 1853.

W.G. DRYDEN,
Justice of the Peace.

W. B. T. 1S., R. 10 W., S. B. M.

South on West Bdy of Sec. 6.
(of record)

Var. 132451 East

- 13.50 Dry bed of Arroyo, course S. 46° E.
- 26.00 Over same.
- 26.75 Enter another Arroyo.
- 31.50 Over same.
- 37.00 Arroyo S. W.
- 39.00 Over same.
- 40.00 Set $\frac{1}{4}$ Sec. post and charred stake
From which bears,
A Sycamore, 6 in. dia. S. 37 $\frac{1}{2}$ ° W. 648 lks. dist.
- 51.00 A dogwood, 4 in. dia. S. 49° E. 309 lks. dist.
- 57.00 Across Arroyo, 4 chs. wide, course S. 10° W.
- 60.50 Arroyo bed of rubbish rock, course W.
- 63.50 Across same-
- 79.50 To the dry portion of the bed of the river
- 80.00 To water, course S. 72° W.
- 80.00 Across water-set Sec. post and charred stake in witness mound,
8 chs. South of true corner.
From which bears,
A Dogwood, 4 in. dia. N. 9 $\frac{1}{2}$ ° E. 107 lks. dist.

South on West Bdy. of Sec. 7.

- 3.00 Stream, 6 lks. wide,
- 5.50 To water of Rio.
- 6.50 Over same (9 in. deep 5 ms. per hour).
- 7.50 South bank-
- 14.00 Arroyo S. W.
- 19.50 South bank of same
- 30.00 Arroyo S. 70° W.
- 31.00 Over same.
- 40.00 Set $\frac{1}{4}$ Sec. post and charred stake,
From which bears,
A Cedar, 4 in. dia. S. 75° E. 21 lks. dist.
- 55.00 A Dogwood, 6 in. dia. S. 44° W. 32 lks. dist.
- 60.00 Arroyo S. 53° W.
- 69.50 Over same.
- 75.00 Arroyo S. 56° W.
- 77.81 Across dry Arroyo.
- 80.00 Dogwood tree 3 in. dia. on line.
- 80.00 Set Sec. post and charred stake in mound Cor. of 7 and 18.
From which bears,
A Dogwood 8 in. dia. N. 60° W. 100 lks. dist.
Soil sandy and covered with a monte of mountain cedar, dogwood,
and chinical.

South on West Bdy. of Sec. 18

- 6.50 Across road to Los Angeles,
course N. 52° W.
- 16.50 Across arroyo S. 15° W.
- 40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound
From which bears,
An Elder, 6 in. dia. S. 70° E. 158 lks. dist.
- 53.00 An Elder, 8 in. dia. N. 41° W. 235 lks. dist.

S.B. T.1 S., R.10 W., S.B.M.

70.00 Ravine-d-40.
 75.56 Ravine-d-80.
 80.00 Set Sec.post and charred stake in mound-on South slope of Ridge,
 Cor.to Secs.1,2,35, and 36.
 Soil 2nd rate,
 Hilly and covered with sage.

West on South Bdy.of Sec.35.
 5.50 Ravine-d-60.
 11.06 South slope of ridge-A-40.
 27.06 South slope of ridge.
 30.06 Ravine, course South-d-120.
 35.06 South slope of hill-a-40.
 40.00 Set $\frac{1}{2}$ Sec.post and charred stake in mound on South face of hill.
 45.06 Lime stone gulch-d-50.
 48.06 Gulch.
 49.06 Ridge-A-60.
 58.06 Ridge.
 62.56 Ravine.
 66.06 Ravine.
 73.56 Ravine-N.50° W.
 80.00 Set Sec.post and charred stake in mound of rock and earth-pits
 on South side- no trench near head of gulch and mostly surround-
 ed by perpendicular walls of conglomerate rock, apparently of
 igneous origin.
 Cor.of Secs.2,3,34, and 35.
 Hilly, wild oats on last $\frac{1}{2}$ mile

West, on South Bdy.of Sec.34.
 2.00 Bluff - A-100
 7.50 West slope of hill
 12.56 Ravine,course southerly-d-90.
 17.56 South slope of ridge - a.30.
 28.56 Arroyo taking South
 21.06 Arroyo taking South
 39.06 Top of ridge-a-60
 40.00 Set $\frac{1}{2}$ Sec.post and charred stake in mound
 45.06 Base of hill-d-60
 73.06 Cattle trail N.W.
 80.00 Set Sec.post and charred stake in mound,Cor.to Secs.3,4,33,34.
 First $\frac{1}{2}$ mile hilly, 2nd undulating
 Soil 2nd and 3rd rate.

West,on South Bdy of Sec.33
 10.06 Across slough,course West
 40.00 Set $\frac{1}{2}$ Sec.post and charred stake in level mound.
 70.06 Dry slough,course S.60° W.
 80.00 Set Sec.post and charred stake in mound,Cor.to Secs.4,5,32 and
 33.
 Soil 1st rate.

West on South Bdy of Sec.32.
 40.00 Set $\frac{1}{2}$ Sec.post and charred stake in mound.
 70.06 Dry slough,course S.60° W.
 80.00 Set Sec.post and charred stake in mound,Cor to Secs.5,6,31,32.

S.B. T.1 S., R.10 W., S.B.M.

From which the house of Senor Workman bears
S.18 $\frac{1}{2}$ ° W.; E. and W. walls of old Mission granaries (now in ruins)
as follows:

S.22 $\frac{1}{2}$ ° W.
S.17 $\frac{1}{2}$ ° W.
S.19° W.
S.6 $\frac{1}{2}$ ° W.
S.1° W. and
S. 3° E.
Soil 1st rate.

West on South Bdy. of Sec. 31
25.06 Head of small gulch.
32.00 Stock trail N.56° E.
36.56 Road S.35° W.
40.00 Set $\frac{1}{4}$ Sec. post and charred stake, in mound.
80.06 To Cor. of Tps. 1 and 2 S. Rs. 10 and 11 W.
From which bears,
House S.35 $\frac{1}{2}$ ° E. and old Mission Granary Walls, S.69° E. and S.
71° E, not being able to get former view)
House of Don Juan Roland, bears
S.41 $\frac{1}{2}$ ° E. and Mr. Reid S.45 $\frac{1}{2}$ ° E.
Ranchito of Senor Workman, S.52° W. and S.E. corner of field;
S.42° E. and S.W. do - S.30° E
South on West Bdy. of Sec. 6.
Var. 13°45' East.
20.00 Gravelly bed of dry Arroyo-75 lks. wide at right angles.
40.00 Set $\frac{1}{4}$ Sec. post and charred stake,
From which bears
An Oak, 26 in. dia. S.57° W. 143 lks. dist.
An oak S.52° W. 276 lks. dist.
67.00 Sandy bed of dry arroyo, course West.
72.00 Across same and enter sage brush and chimisal.
80.00 Set Sec. post and charred stake in mound. Cor. to Secs. 6 and 7.
Soil 1st $\frac{1}{4}$ mile 2nd rate, last $\frac{1}{2}$ mile, 3rd rate.
Live oak and Sycamore, with Caotii and sage.

South on West Bdy of Sec. 7
12.50 Bed of arroyo.
15.00 Across same.
30.00 Leave all timber and chaparral save sage.
40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound.
78.50 Road course S.57° W.
80.00 Set Sec. post and charred stake in mound, Cor. to Secs. 7 and 18.
Soil, 3rd rate.
Prairie with sage and rosin weed

South on West Bdy. of Sec. 18
2.50 Over slough, course S.60° W.
9.00 Trail, course S.40° E.
32.00 Small arroyo S.52° W. d-50.
34.00 Across road S.72° W.
40.00 Set $\frac{1}{4}$ Sec. post and charred stake in mound - A - 12.
80.00 Set Sec. post and charred stake in mound, Cor. to Secs. 18 and 19
Soil mostly 3rd rate.
Prairie.

W.E. T.1 S., R.9 W., S.B.M.

1.00 South on West Bdy of Sec.19
3.00 To North bluff of Canada, 40 ft. deep, course S.68° W.
30.50 Across, dry arroyo.
32.55 To South bluff of same Canada
40.00 Over gulch
44.00 Set $\frac{1}{4}$ Sec.post and charred stake in mound.
48.00 Gulch, course N.82° W.
67.50 Gulch, 12 ft. deep, course N.70° W.
77.00 Ridge, course, N.15° W.
80.00 Ridge N.20° W. A-30.
Set Sec.post and charred stake in mound. Cor. to Secs.19 and 30.
Broken prairie and 3rd rate soil

3.50 South on West Bdy of Sec.30
27.00 Gulch, course N. 18° W.
30.00 Bluff of ravine A-70.
38.00 Across gulch, d-20.
40.00 Gulch, N.11° E.
Drove $\frac{1}{4}$ Sec.post and charred stake,
From which bears-
A Sycamore N.1° W. 553 lks. dist.
A Sycamore 22 in. dia. N.15 $\frac{1}{2}$ ° E 296 lks. dist.
46.50 East slope of ridge A.60.
48.00 Gulch, d.40.
53.00 East slope of ridge a-80.
55.50 Gulch, making East d.40
57.50 East slope of ridge-a.30.
59.00 Ravine, course East-d-10
62.50 Walnut 4 in. dia. on line-A.20
67.50 Across deep ravine, course N.20° E. enter patch of live oaks, in
which is a Sulphur Spring (small)
70.00 Leave live oak
80.00 Set Sec.post and charred stake in mound, Cor. of Secs.30 and 31
Soil 2nd rate with wild oats.

5.50 South on West Bdy of Sec.31
24.00 Center of ravine N.45° W.
25.50 Height covered with oats A.200.
31.00 Trail East, d.12.
37.50 Spur d.40.
40.00 Deep ravine, course S.68° E. d. 150.
44.00 Set $\frac{1}{4}$ Sec.post and charred stake in mound A-40.
50.50 Trail on E. slope of ridge S.70° E. A-60.
57.50 Gulch-d-40.
61.50 Gulch-course S.85° E. d-50.
68.00 Gulch d.30.
74.00 Ravine and trail N.72° E. a.15.
78.00 Sage hill-A-80.
80.00 Ravine, course West, d-60.
Set Tp.post and charred stake in mound, corner of Tps.1 and 2
S. Rs. 9 and 10 W. A.40.
Same as last mile.
