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 FRANK E. BARKER
 OFFICE CADASTRAL ENGINEER
 FOR CALIFORNIA

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R. 13 W.					
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6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36
R. 13 W.					

T. 2 N. T. 2 N.

Ross 1909

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

PUBLIC SURVEY OFFICE,
San Francisco, California,
June 8, 1931

I, Frank E. Barker, Office Cadastral Engineer, do hereby certify that the annexed is a photostatic copy of the field notes of the survey of the lands to which it relates, the original of which is on file and of record in this office.

(s) Frank E. Barker
Office Cadastral Engineer.

BOOK A
FIELD NOTES OF THE
SURVEY OF THE

North and East Boundaries of Township 2 North, Range 13
West of the San Bernardino Meridian,

As surveyed by
Louis Ross
United States Deputy Surveyor,

Under his Contract No. 276, dated Dec. 5th, 1908
Survey commenced Sept. 16, 1909
Survey completed Oct. 13, 1909

Accepted per Letter "E"
dated Feb. 23, 1912.

North boundary of T.2 N., R.13 W.,
S.B.M.

Chains

Ascend steeply through heavy undergrowth.

70.00 High, sharp, spur bears N. and S. Ascend along
the N. slope of an overgrown mountain, 1000 ft.
above the thread of the canon.

80.00 Offset 20.00 chains S. $0^{\circ}1'$ W. to return to the
N. bdy. of T.2 N., R.13 W. The true point for
cor. falls in the bottom of the stony wash of Delta
Canon, a place quite unsuitable for a cor. I there-
fore run back N. $0^{\circ}1'$ E. 7.70 chains to the crest of
the high ridge bearing E. & W. forming the divide
between Tujunga and Delta Canons, and
Set a granite stone, 16x8x8 ins., 10 ins. in the
ground, for witness to cor. of Secs. 4,5,32 and 33,
marked W C on NE. face, with 4 notches on E. and 2
notches on W. edges; and raise a mound of stone, 3
ft. base, $2\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

Land, mountainous

Soil, 2d to 4th rate

Timber, oak and chamisal brush

September 21, 1909

From the true pt. for cor. of secs. 4,5,32 and 33, I
run

East, bet. Secs. 4 and 33.

Ascend steep NE. bluff of Delta Canon.

10.50 High ridge, bears N. 20° E.; descend.

19.00 Canon, heavily overgrown, course N. 15° E. Ascend.

22.50 Sharp, precipitous ridge, bears N. and S. Descend.

N. Bdy. of T.2 N., R.13.W., S.B.M.

Chains

- 34.00 Foot of precipitous ridge.
- 40.00 Set a squared redwood post, 3 ft. long, 3x4 ins. in cross section, 2 ft. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 33 on N. and 4 on S. faces, from which an oak, 14 ins. Dia., bears N. 13° W., 73 lks. dist., marked $\frac{1}{4}$ S 33 B T - An alder, 5 ins. Dia., bears S. 45° W., 114 lks. Dist., marked $\frac{1}{4}$ S 4 B T.

Sept. 22, 1909

- 55.50 Road, bears NW and SE.
- 57.30 Tujunga Creek, 40 lks. wide, course NW. Enter flat.
- 61.30 Leave flat. Oil well bears S., about 40 lks dist. Ascend.
- 75.00 High spur bears NW and SE.; descend.
- 80.00 Canon, course S. Not a suitable place for cor. Ascend.
- 84.53 Summit of brushy spur, bears N and S. Set a granite stone, 18x7x7 ins., 14 ins. in the ground, for witness to cor. of secs. 3, 4, 33 and 34, marked W O on NE. face, with 3 notches on E. and W. edges; and raise a mound of stone 2 $\frac{1}{2}$ ft. base, 2 ft. high W. of cor.
- Land, mountainous.
- Soil, rocky, 3d to 5th rate.
- Timber, oak and alder at creek, brush on mountain sides.

Sept. 23, 1909

- From the true point for cor. of secs. 3, 4, 33 and 34, I run
- East, bet. secs. 3 and 34.
- 4.53 W.O. to cor. of secs. 3, 4, 33 and 34 previously described.
- Descend.
- 10.50 Gully, course SW., Ascend.

N. bdy of T.2 N., R.13 W. S.B.M.

Chains.

17.00 Low ridge, bears SW., descend.
20.50 Deep, overgrown canon, course SW., ascend
39.16 Summit of high mt., bears N. and S. As true point for
cor. falls on a steep, precipitous declivity, where
no cor. would be safe, I
Set a granite rock, 34x6x5 ins., 26 ins. in the ground,
for witness to $\frac{1}{4}$ sec. cor., marked W.C. $\frac{1}{4}$ on N. face; and
raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high N. of cor.
Pits impracticable.
The land to the east is extremely steep, broken by canons,
gullies and ravines. It is impassable, and wholly unfit
for cultivation. I therefore, do not run further east.
Land, gorges and ridges.
Soil, rocky, 5th rate.
Timber, brush

September 24, 1909.

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Preliminary to the resurvey of the E. bdy of Sec. 13, T.2 N.,
R.13 W., S.B.M., I locate from description and maps the
"high ridge", 8.96 chs. N. of cor. of secs. 7, 12, 13 and 18,
described by the surveyor general. By noting on this ridge
the blazed underbrush, a 5-inch stump of an oak bush, and
clearings to the S. and W., I identify beyond a reasonable
doubt the furtherest N. point surveyed on this range line,
from which point the triangulation was made by deputy
Cutting, as described by the surveyor-general.

Thence I run,

South, along the E. bdy. of sec. 12.

8.96 A partly scattered mound of rocks bears N.45° E., 20 lks, dist.
The mound is hand-placed, and old clearings through the brush
to the N., S. and W. are easily recognizable. The cor. stone
described

BOOK B
FIELD NOTES OF THE
SURVEY OF THE

Resurvey of south boundaries of secs. 9-12, T. 2 N.,
R. 13 W. and Subdivisions in T.2 N., R.13 W. of the San
Bernardino Meridian, California

As surveyed by
Louis Ross
United States Deputy Surveyor,

Under his Contract No.276, dated Dec. 5, 1908.
Survey commenced Oct. 14, 1909
Survey completed Nov. 15, 1909

Accepted per Letter "E"
Dated Feb. 23, 1912.

Subdivision of T.2 N., R.13 W., S.B.M.

Chains. An oak, 3 ins. Dia., bears S. 57° W., 54 lks. Dist.
marked T.2 N., R.13 W S 11 B T.
An oak, 12 ins. Dia., bears N. 66° W., 110 lks. Dist.
marked T 2 N., R.13 W. S 2 BT
Land, mountainous.
Soil, rocky, 5th rate.
Timber, brush on mountains, oak and sycamore by Tujunga Creek.
Mountainous land, and exceptionally difficult to survey. 80.00
chs.

Nov. 5, 1909

The Land to the N. and E. is unsurveyable, and non-agri-
cultural. I therefore do not run further N. or E.

From the true pt. for cor. of secs. 10,11,14, and 15, I run
N. 0°1' W., bet. secs. 10 and 11.

Descend very broken and overgrown precipices.

9.00 Maple Canon, carries water, 4 lks. wide. Course NE., Ascend.

40.00 Falls on a steep, inaccessible slope.

43.74 A granite boulder in place, 28x24x12 ins. above ground, for
witness to $\frac{1}{4}$ sec. cor., I mark x on top and W.C. $\frac{1}{4}$ on W. face,
and raise a mound of stone $3\frac{1}{2}$ ft. base, 3 ft. high, W. of cor.

This cor. is located at the summit of a flat spur, bearing
N. 80° E. and S. 80° W. Descend. Nov. 2, 1909

62.00 Rim of extremely rugged, rocky rift, bears N. 30° E. and S. 30°
W., sloping down about 65°. Descend.

69.00 Foot of sheer granite bluff, about 500 ft. high. Enter
Tujunga Creek.

69.30 Tujunga Creek, 35 lks. wide, course W. Ascend slightly.

74.50 Road, bears E. and W.

74.70 Pt. from which the U.S. Geol. B.M., elev. 1888, bears W., 160
lks. dist.

80.00 Set a granite stone, 24 ins. long., 12 ins. sq. at bottom,
and 6 ins. sq. at top, 18 ins. in the ground, for cor. of secs.
2,3,10 and 11, marked with 5 notches

Subdivision of T.2 N., R.13 W., S.B.M.

Chains. on S. and 2 notches on E. edges, and I raise a mound of stone 3 ft. base. 2 ft. high, W. of cor. Pits impracticable.

Land, mountainous.

Soil 3d to 6th rate.

No timber.

Mountainous land, and exceptionally difficult to survey, 80.00 chs.

Nov. 3, 1909.

80.00 S. 88° 52' E., on a random line, bet. secs. 2 and 11.
Cor. of secs. 1, 2, 11 and 12. Nov. 6, 1909.

Thence I run
N. 88° 52' W., on a true line bet. secs. 2 and 11. Ascend steeply through heavy undergrowth.

15.20 High ridge, bears NW. and SE., descend.

20.50 Feusier Canon, carries water, 4 lks. wide, course S. Ascend.

23.10 Ridge, bears N. and S., descend.

26.10 Gulch, course S., ascend sliding slope.

40.00 Saddle, bears N. 15° W. and S. 15° E.

Set a cast iron rod, 18 ins. long, 1½ ins. dia., 14 ins. in the ground, for ¼ sec. cor., marked ¼ on N. side, from which

A manzanita, 5 ins. dia., bears S. 85° E., 30 lks. dist., marked ¼ S 11 B T

A manzanita, 3 ins. dia., bears N. 89° E., 28 lks. dist. marked ¼ S 2 B T

Descend across brushy "crater"

54.50 S.W. rim of "Crater", overlooking Tujunga Canon. Descend steeply, precipitously over several small canons, and ascend. Hoyt's barns bear S. 6° W. 25 chs. dist., Hoyt's log cabin 5 chs N. of barns and the clubhouse bears N. 60° E. 10 chs from barns.

69.00 Hillock, spur bears N. and S. descend.

72.50 Foot of mountains. Enter brushy flat.

80.00 Cor. of secs. 2, 3, 10 and 11.
Land, mountainous
Soil, 3d to 6th rate - Timber, brush

Subdivision of T.2 N., R.13 W., S.B.M.

Chains.

Mountainous land, and exceptionally difficult to survey
on account of precipices. 80.00 chs.

Nov. 7, 1909.



Thence I run
N. 0°1' W., bet. secs. 2 and 3.

- 15.50 Foot of mts. Ascend steeply.
- 19.00 Top of lower shelf of mts. Ascend gradually through
heavy undergrowth.
- 30.00 Ascend steeply.
- 33.00 Spur, bears NE and SW. Continue ascent across swale.
- 35.68 Set a granite rock, 15x12x8 ins., 11 ins. in the ground,
for witness to $\frac{1}{4}$ sec. cor., marked W.C. on N. and $\frac{1}{4}$ on
W. face, and raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft.
high, W. of cor. Pits impracticable.
- This cor. is located on a very high ridge bearing E. and W.
- 40.00 Pt. for true cor. falls on a very steep brushy slope,
unsafe for cor.
- The land to the N. is non-agricultural and unsurveyable.
I therefore do not run further north.
- Land mountainous.
- Soil, 3d to 6th rate.
- Timber, heavy brush.
- Mountainous land and exceptionally difficult to survey.
40.00 chs.

Nov. 9, 1909.

Subdivision of T.2 N., R.13 W., S.E.M.

At the cor. of secs. 2,3,10 and 11, I observe Polaris.

Lat. $34^{\circ}17'$ N., Long. $118^{\circ}15'$ W.

Astron. l.m.t. of obsn., Nov. 4, 1909 - - - 7^h 12.0^m.

Equivalent to time of Nov. 3, 1909 - - - 31 12.0

U.C. of Pol., Nov. 1, 1909 - - - 10^h 45.1^m.

Correction to Nov. 3 - - - - - 7.9

U.C. of Pol., Nov. 3, 1909 10 37.2

Hour angle of Pol. at obsn. 20 34.8

Subtract from - - - - - 23 56.1

Argument for Table VII 3 21.3

Az. of Pol. from table VII N. $1^{\circ}6'$ E.

This azimuth I carry by back and fore sights, checking it twice daily by accurate, direct solar observations.

From the cor. of secs. 2,3,10 and 11 I run west, on a true line, knowing that I shall be quite unable to run all of the mile, bet. secs. 3 and 10. Descend gradually.

- 2.40 Drop 15 ft. to Tujunga wash.
- 3.40 Tujunga Creek, 50 lks. wide, course N.
- 5.40 Road, bears N. and S., also foot of bluff.
- 7.00 Edge of brushy flat, ascend gradually.
- 12.70 Ridge, bears NE. and SW., descend.
- 14.70 Canon, course NE., ascend.
- 18.00 Ridge, bears NE. and SW. ascend.gradually across swale.
- 21.80 High ridge, bears N. 15° E. and S. 15° W. Being unable to run further west on account of the extreme ruggedness of the land; and there being no agricultural land involved. I discontinue this line, and at this point I set a granite stone $16 \times 10 \times 5$ ins., 12 ins. in the ground, for witness to $\frac{1}{4}$ sec. cor., marked W.C. $\frac{1}{4}$ on N. face, and I raise a mound of

Subdivision of T. 2 N., R. 13 W., S.B.M.

Chains

stone, $2\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high N. of cor. Pits impracticable.

Land, mountainous

Soil, rocky, 6th rate.

Timber, heavy brush.

Mountainous land and exceptionally difficult to survey.
21.80 chs.

Nov. 8, 1909.

From the true pt. for $\frac{1}{4}$ sec. cor. bet. secs. 2 and 3,
I run

West, on a random line, through the center of sec. 3.

80.00 Intersect line bet. secs. 3 and 4 at a pt. 44.00 chs.

due S. of the true point for cor. of secs. 3, 4, 33 and 34. As this intersection falls on a nearly vertical nose of a rocky spur, I do not set a cor. here, but run N. 4 chs. to a pt. 40 chs. S. of the true pt. for cor. of secs. 3, 4, 33 and 34, and there I

Set a granite stone, 20 ins. cube, 14 ins. in a stone mound, for witness to $\frac{1}{4}$ sec. cor., marked WC on N., $\frac{1}{4}$ on W. face; from which

An oak, 18 ins. dia, bears S. 75° E. 115 lks. dist., marked W.C. $\frac{1}{4}$ S 3 B T.

An oak, 7 ins. dia., bears S. $63^{\circ}30'$ W., 402 lks. dist., marked W C $\frac{1}{4}$ S 4 B T.

Nov. 10, 1909

From the true pt. for $\frac{1}{4}$ sec. cor. bet. secs. 3 and 4,

I run

East, on a true line, through the center of Sec. 3.
Ascend steeply and precipitously

8.50 Ridge bears N. 30° W. and S. 30° E., descend.

28.50 Tujunga Creek, 60 lks. wide, course NW. Ascend broken surface.

36.50 Road, bears NW. and S.E.

36.70 Fence, bears NW. and S.E., enter administration

Subdivision of T.2 N., R.13 W., S.B.M.

Chains flat, a 10-acre clear flat, reserved by the U.S. Forestry Department for an experimental station.

40.00 Set an oak post, 3 ft. long, 3 ins. sq., 24 ins. in the ground, for special $\frac{1}{4}$ sec. cor., marked Ctr. S 3 on N. face; from which

An oak, 7 ins. dia., bears N. $67^{\circ}45'$ W., 329 lks. dist. marked Ctr. S 3 B T.

An oak, 20 inches dia., bears N. $89^{\circ}40'$ W., 391 lks. dist., marked Ctr. S 3 B T

Nov. 11, 1909

42.44 Fence, bears NE. and SW., leave administration flat.

52.00 Foot of mts. Ascend steeply and precipitously.

59.00 Lower edge of very brushy flat. Ascend gradually.

61.00 Ridge, bears NW. and SE.; descend.

71.50 Canon, course SW., ascend.

80.00 True pt. for $\frac{1}{4}$ sec. cor. bet. secs. 2 and 3.

Land mountainous

Soil, very rocky, except in main canon.

Timber, oak in Tujunga Canon, brush on mts.

Mountainous land, and exceptionally difficult to survey.
80.00 chs.

Nov. 12, 1909

From the center of sec. 3, I run N. through the center of sec. 3, on a random line.

44.05 Intersect the N. bdy. of the Tp. 90 lks. E. of the W.C. to $\frac{1}{4}$ sec. cor. bet. secs. 3 and 34.

On account of the close proximity of this W.C. to the true pt. I do not set another W.C., but run thence S. $0^{\circ}5'$ E. on a true line, through the center of sec. 3.

Subdivision of T.2 N., R.13 W., S.B.M.

Chains

Ascend steeply through heavy undergrowth.

7.50

High ridge, bears E. and W., turning N. at a short dist.
W. of this point.

Nov. 13, 1909.

Descent steeply through heavy brush

16.00

Canon, course SW., ascend.

23.00

Ridge, bears N. 20° E., and S. 20° W., descend.

32.50

Canon, course S. 20° W., ascend.

36.00

Top of bluff, bears E. and W., overlooking administration
flat.

37.50

Foot of bluffs.

44.05

Center of sec. 3, and cor. for same.

Land, mountainous

Soil, 2d to 6th rate.

Timber, brush.

Mountainous land and exceptionally difficult to survey.
44.05 chs.

Nov. 14, 1909.

From the true pt. for cor. of secs. 3, 4, 33 and 34 on the
N. bdy. of T.2 N., R.13 W., S.B.M., I run S., on a true
line, bet. Secs. 3 and 4.

Descend gradually toward flat.

9.00

Foot of hills; enter flat of about 10 acres.

16.50

Enter stony wash of Tujunga.

17.90

Road, bears E. and W.

20.75

Tujunga Creek, 40 lks. wide, course W.

22.75

Foot of steep bluff, 50 ft. high.

24.50

Top of bluff; enter flat.

28.00

West Canon, course N. 5° E.

40.00

W C. to $\frac{1}{4}$ sec. cor. bet. secs. 3 and 4, ascend.

44.00

Steep nose of a precipitous spur bearing E. and W., and
true pt. for $\frac{1}{4}$ sec. cor. bet. 3 and 4, falling on steep
brushy pt., unsafe cor. W.C. set 4.00 chs. N. previously
described.

Nov. 15, 1909

Subdivision of T.2 N., R.13 W., S.B.M.

After several futile efforts to find, from the topography, the $\frac{1}{4}$ sec. cor. bet. secs. 4 and 9, described by the surveyor general; I begin at the true pt. for cor. of secs. 3, 4, 33 and 34, intending to run 1 mile S., and $\frac{1}{2}$ mile W. I find it impossible to run on line, on account of the impassable mts. I therefore run a careful traverse, through West Canon, and at a point 1 mile S. and $\frac{1}{2}$ mile W. of true pt. for cor. of secs. 3, 4, 33 and 34, I come to a pt., the topography of which fails to agree in any respect with that described by the surveyor general.

I make a further search, without running lines, to find the cor. at center of Sec. 9, and the cor. of Secs. 4, 5, 8 and 9, described by the surveyor general. Being unable to find either, and the land being unsurveyable and non-agricultural, I abandon the attempt at this connection, and connect my lines in Tujunga Canon with the S. bdy. of secs. 10, 11 and 12, as previously described.

Oct. 3 and 4, 1909.

Louis Ross,
U.S. Deputy Surveyor.