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 FRANK E. BARKER  
 OFFICE CADASTRAL ENGINEER  
 FOR CALIFORNIA

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*Pages in Book Binded in red*

<i>R. 14 N.</i>	<i>R. 13 N.</i>							<i>R. 13 N.</i>	<i>R. 12 N.</i>
									<i>T. 4 N.</i>
									<i>T. 3 N.</i>
									<i>T. 3 N.</i>
									<i>T. 2 N.</i>

Vermilion lines run by William E. Heister, 1925.

DEPARTMENT OF THE INTERIOR

GENERAL LAND OFFICE

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Public Survey Office

San Francisco, Calif.

April 3, 1928.

I, FRANK E. BARKER, Office Cadastral Engineer, do hereby certify that the annexed transcript of the survey of Part of the Subdivision of T.3 N., R.13 W. San Bernardino Meridian, is a true and literal exemplification of said notes as they remain on file and of record in this office.

(s) Frank E. Barker

Office Cadastral Engineer

for California

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Survey of Subdivisions in T.3 N.,R.13 W.

Chains

3.

Survey commenced July 14,1925, and executed with Buff and Buff solar transit No.9977, provided with Smith solar attachment. For description of instrument and preliminary and final tests, see Book A. All measurements were made on the slope, slope angles were determined by clinometer transit readings and the true horizontal equivalents entered in the field notes.

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Survey of Subdivisions in T.3 N.,R.13 W.  
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From the true point for cor. of secs. 3,4,33 and 34, on the S. boundary of T.3 N.,R.13 W., described in Book A. North on a true line bet. secs. 33 and 34, over mountainous land, through dense undergrowth; ascend steep S.E. slope 745 Ft.

- 19.50 Spur ridge slopes S.70°W., descend steep NW slope 751 ft.  
20.30 Edge of broken granite cliff,E & W.  
34.40 Creek, 2 lks. wide, course S.70°W. descend steep S.E. slope 158 ft.  
38.00 Top of granite cliff, N.E. and S.W.  
40.00 True point for cor. falls in wash, 5 lks. wide, course S.W.  
40.84 Set an iron post, 3 ft. long, 1 in. diam. 18 ins. in the ground in a mound of stone, 3 ft. base, 1½ ft. high, for witness ¼ sec. cor. with brass cap marked

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S 33      S 34

WC  
1925

Raise mound of stone 5 ft. base, 3 ft. high W. of cor.

- 45.00 Wash 10 lks. wide, course S.W., ascend steep S. slope 928 Ft.  
75.00 High spur slopes S.W. descend along W. slope 107 ft.  
79.60 Set an iron post, 3 ft. long, 2 ins. diam. 28 ins. in the

Chains

4.

Survey of Subdivisions in T13 N., R.13 W.

ground, on low spur, sloping W. for witness cor. of secs. 27, 28, 33 and 34, with brass cap marked

	WC	
T3N		R13W.
S28		S27
S33		S34
1925		

Raised a mound of stone, 3 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

80.00 True point for cor. falls in deep wash, course SW. a place unsuitable for permanent cor. Land, mountainous, Soil, rocky, 4th rate. Timber, none, Undergrowth, manzanita, ash, chemise, mahogany and white thorn.

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From the true point for cor. of secs. 27, 28, 33 and 34, west on a random line bet. secs. 28 and 33.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.45 Fall 38 lks. S of the cor. of secs. 28, 29, 32 and 33, which is a granite stone, 12x10x8 ins. above ground marked with 4 notches on the E. face, and 1 notch on the S. face, with a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor. Thence, S.  $89^{\circ}44'E$ . on a true line bet. secs. 28 and 33, over mountainous land, through dense undergrowth.

.50 Spur slopes SE. descend NE slope, 361 ft.

10.10 Trail canyon trail, bears NW and SE

11.00 Trail canyon creek, 12 lks. wide, course SE ascend steep NW slope 161 ft.

19.00 Spur slopes SW., descend SE slope 104 ft.

22.00 Deep canyon, course SW ascend steep NW slope of granite cliffs, 460 ft.

35.10 Spur slopes N., thence descend along broken N. slope 20 ft.

40.22 Set an iron post, 3 ft. long, 1 in. diam. 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor. with brass cap marked

Survey of Subdivisions T.3 N., R.13 W.

$\frac{1}{4}$  S28  
 S 33  
 1925

Raise a mound of stone 3 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.  
 Thence ascend along N. slope.

- 41.12 Draw, course NW. ascend steep broken NW slope 645 ft.
- 60.50 Ridge bears NE and SW., thence ascend along broken S slope 115 ft.
- 71.90 Spur slopes SE., descend steep NE slope 104 ft.
- 80.45 The true point for cor. of secs. 27, 28, 33 and 34, herein-  
 before described. Land mountainous. Soil, rocky, 4th rate.  
 Timber, none. Undergrowth, manzanita, chemise, mahogany,  
 poison oak and vines.

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LATITUDES, DEPARTURES AND CLOSING ERRORS.

Line des-ignated	True bearing.	Dist-ance.	Latitudes.		Departures.	
			N. chs.	S. chs.	E. chs.	W. chs.
S.bdy.sec. 33	N.89°59'W.	40.19	.01			4 0.19
" " "	S.89°59'W.	40.17		.01		40.17
W.bdy.sec. 33	N.00°01'E.	80.00	80.00		.02	
N.bdy.sec. 33	S.89°44'E.	80.45		.37	80.45	
E. bdy.sec. 33	South	80.00		80.00		
<u>Convergency</u>					.01	
			80.01	80.38	80.48	80.36
				<u>80.01</u>	<u>80.36</u>	
			Error in latitude--		.37	
			Error in depart.		.12	

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GENERAL DESCRIPTION

The land embraced in sec. 33, T.3 N., R.13 W., is rough and mountainous, with steep slopes of decomposed

granite cliffs, with no timber, except in Tujunga and Trail canyons. The undergrowth is manzanita, chemise, mahogany and oak. There is a government trail which leads from Big Tujunga Canyon, entering Trail canyon at the SW cor. of sec. 33, traversing along the western portion of said section, leading to Mt. Gleeson. There are several summer cottages located near the western part of sec. 33, along trail canyon used as summer homes. There are no indications of mineral.

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Due to precipitous slopes and bluffs of decomposed granite and dense brush of manzanita, chemise, oak and mahogany, the portion of T 3 N., R. 13 W. left unsurveyed is considered unsurveyable. If this portion could be surveyed at all, it would require nearly a year for a single party to do so. All lines necessary to take care of the settlers or owners have been run.

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## FIELD ASSISTANTS.

Names	Capacity.
Walter Thomas	1st Chainman
John L. Peters	2nd Chainman
Rubie Steele	Axman
Clifford Connaway	Flagman

Certificate of Unites States Surveyor

I, William E. Hiester, U.S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U.S. Surveyor General for California, bearing date of the 10th day of June, 1924, I have, well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the Unites States surveyed a part of the subdivisions of T.3 N., R.13 W. of the San Bernardino Meridian in the state of California which are represented in the foregoing field notes and index diagram, page 1, as having been executed by me, and under my direction and on dates shown on said diagram, and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U.S. Surveyor General for California, and in the specific manner described in the field notes and that the foregoing are the original field notes of such survey.

William E. Hiester,

U.S. Surveyor

San Francisco, Calif.  
April 16, 1926

APPROVAL

U.S. Supervisor of Surveys,  
Denver, Colorado, June 9, 1926.

The foregoing field notes of the survey of part of the subdivisions of T.3 N., R.13 W., of the San Bernardino Meridian, in the State of California, executed by William E. Hiester, U.S. Surveyor, under his special instructions dated June 10, 1924, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank M. Johnson,  
U.S. Supervisor of Surveys