

Memorandum in connection with the filing on Water Rights
of the San Elijo Creek.

- - - -

Application for water of San Elijo Creek made by W. L. Huber
to State Water Commission on Monday March 26, 1917, and acknowledged
by the State Water Commission, March 27, 1917.

Application was made in the name of Ed Fletcher for a permit
to appropriate for agricultural and domestic purposes 8 cubic feet
per second with a storage capacity of 12,011 acre feet.

The following is taken from letter of E. O. Faulkner of
November 7, 1919:

"These water rights were assigned us by the State
Water Commission under their Permit 302, dated July 12,
1917, which requires us to start work on or before
October 1, 1917; to complete such construction work on
or before July 1, 1921, and to make complete applica-
tion of the water on or before July 1, 1922, the amount
applied for being 8 cubic feet per second and grant re-
fers to Section 20, Statutes 1913, Chapter 586. This
permit was given in your name (Ed Fletcher) and assigned
by you to the San Dieguito Mutual Water Company on March
20, 1918."

NET SAFE YIELD DATA ON SAN DIEGUITO SYSTEM

=====

Irrigation Service Period - 1 M.I. flowing for 200 days
Carroll Dam 100 feet high.

Using Drainage Area of 196 Square Miles which is drainage
area below Pamo.

Irrigation Net Safe Yield = 10,400 Ac.Ft. = 1,300 M.I.

By pumping from Bernardo Gravels =

4,360 Ac. Ft. ----- 550 M.I.

San Elijo Dam, 140 ft. high, on Escondido

Creek, 1,200 ac. ft. ----- 150 M.I.

San Elijo Watershed = 48 sq. miles

Total ----- 2,000 M. I.

By building Carroll to 140 ft. high would

increase capacity by 4,760 acre feet-- 600 M. I.

Making Total Yield 20,720 acre feet ----- 2,600 M. I.

=====

Post Estimate of Area Irrigated

12,000 acres gravity

8,600 " pumping

20,600 "

Jones Estimate of Area Irrigated

14,894 acres by gravity

7,323 " " pumping

22,217 "

Bowen Report

TABLE No. 1.

SUMMARY ESTIMATES FOR SAN ELIJO HIGH LINE.

Wye No.	Acreage	Miners Inches	Description	Diam.	Slope per 1,000 ft.	Length Feet	Grade Elevation	Unit Cost	Total Cost	
0	2,750						360.00			
2.14	2,350	300	Plain Concrete Pipe	22"	1.30	11,300	345.31	1.73	19,549	
3.64	1,650	250	Reinforced Concrete Pipe	20"	1.55	7,900	333.06	2.63	20,777	
3.67	1,650	200	Plain Concrete Pipe	20"	0.94	200	332.87	1.58	316	
3.79	1,650	200	Reinforced Concrete Pipe	20"	0.94	600	332.31	2.63	1,578	
4.83	1,500	200	"	20"	0.94	5,500	327.14	2.63	14,465	
5.34	1,300	150	Plain Concrete Pipe	20"	0.53	2,700	325.71	1.58	4,266	
5.91	1,250	150	Reinforced Concrete Pipe	20"	0.53	3,000	324.12	2.63	7,890	
6.13	1,150	150	Plain Concrete Pipe	20"	0.53	1,200	323.48	1.58	1,896	
6.63	950	150	Reinforced Concrete Pipe	20"	0.53	2,600	322.10	2.63	6,838	
8.22	450	100	Plain Concrete Pipe	18"	0.42	8,400	318.57	1.40	11,760	
10.11	350	100	Riveted Steel Siphon(12ga)16"	16"	1.00	10,000	308.57	2.35	23,500	
10.68	150	100	Plain Concrete Pipe	16"	0.81	3,000	306.14	1.20	3,600	
11.56	0	50	"	12"	1.00	4,600	301.54	0.79	3,634	
							SUB TOTAL =		120,069	
							VALVES & FITTINGS 2%			2,400
							SUB TOTAL		122,469	
							ENGINEERING, SUPERVISION & EXECUTIVE OVERHEAD 10%			12,247
										\$134,716

Boren Report

TABLE No. 1.

SUMMARY ESTIMATES FOR SAN ELIJO HIGH LINE.

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0	2,750						360.00		
2.14	2,350	300	Plain Concrete Pipe	22"	1.30	11,300	345.31	1.73	19,549
3.64	1,650	250	Reinforced Concrete Pipe	20"	1.55	7,900	333.06	2.63	20,777
3.67	1,650	200	Plain Concrete Pipe	20"	0.94	200	332.87	1.58	316
3.79	1,650	200	Reinforced Concrete Pipe	20"	0.94	600	332.31	2.63	1,578
4.83	1,500	200	"	"	0.94	5,500	327.14	2.63	14,465
5.34	1,300	150	Plain Concrete Pipe	20"	0.53	2,700	325.71	1.58	4,266
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							SUB TOTAL		120,069
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							SUB TOTAL		122,469
							ENGINEERING, SUPERVISION & EXECUTIVE OVERHEAD 10%		12,247
									\$134,716

TABLE NO. 3
DEL MAR LOW HEAD.
SUMMARY ESTIMATED COST.

Mile No.	Acreage	Miners Inch	Description	Diam.	Slope per 1000 ft.	Length Feet	Grade Elevation	Unit Cost	Total Cost
0		100	Steel Siphon	16"	0.7	7,200	195.00	2.25	16,920
1.36			Plain Concrete Pipe	16"	0.7	3,000	189.96	1.20	3,600
1.93			Plain Concrete Pipe	12"	0.7	4,800	187.86	0.79	3,792
1.93							184.50		
2.84									
									24,312
VALVES & SPECIALS 2%									486
ENGINEERING, SUPERVISION & EXECUTIVE OVERHEAD 10%									24,798
									2,480
									27,278

#261

SAN DIEGO, CALIFORNIA, February 15, 1918

Col. Ed Fletcher,
Office,

Dear Sir:-

Attached herewith please find copy of letter from Attorney Dunlap who is acting for Mr. Wickham during his absence. Mr. Dunlap has furnished certified maps of the Lot 1 in Section 10 referred to in the deed from Janssen to the San Dieguito Mutual Water Company. I have given one to Mr. Moore of the Southern Title Guaranty Company and have retained the other two. Mr. Moore states that the description is OK and he will issue a certificate of title any time you wish it.

Mr. Moore sent to the Land Office both at Los Angeles and Washington for certified copies and could not obtain them. Hence the reason for this expense.

Yours very truly,

TPE:K

San Elijo Reservoir

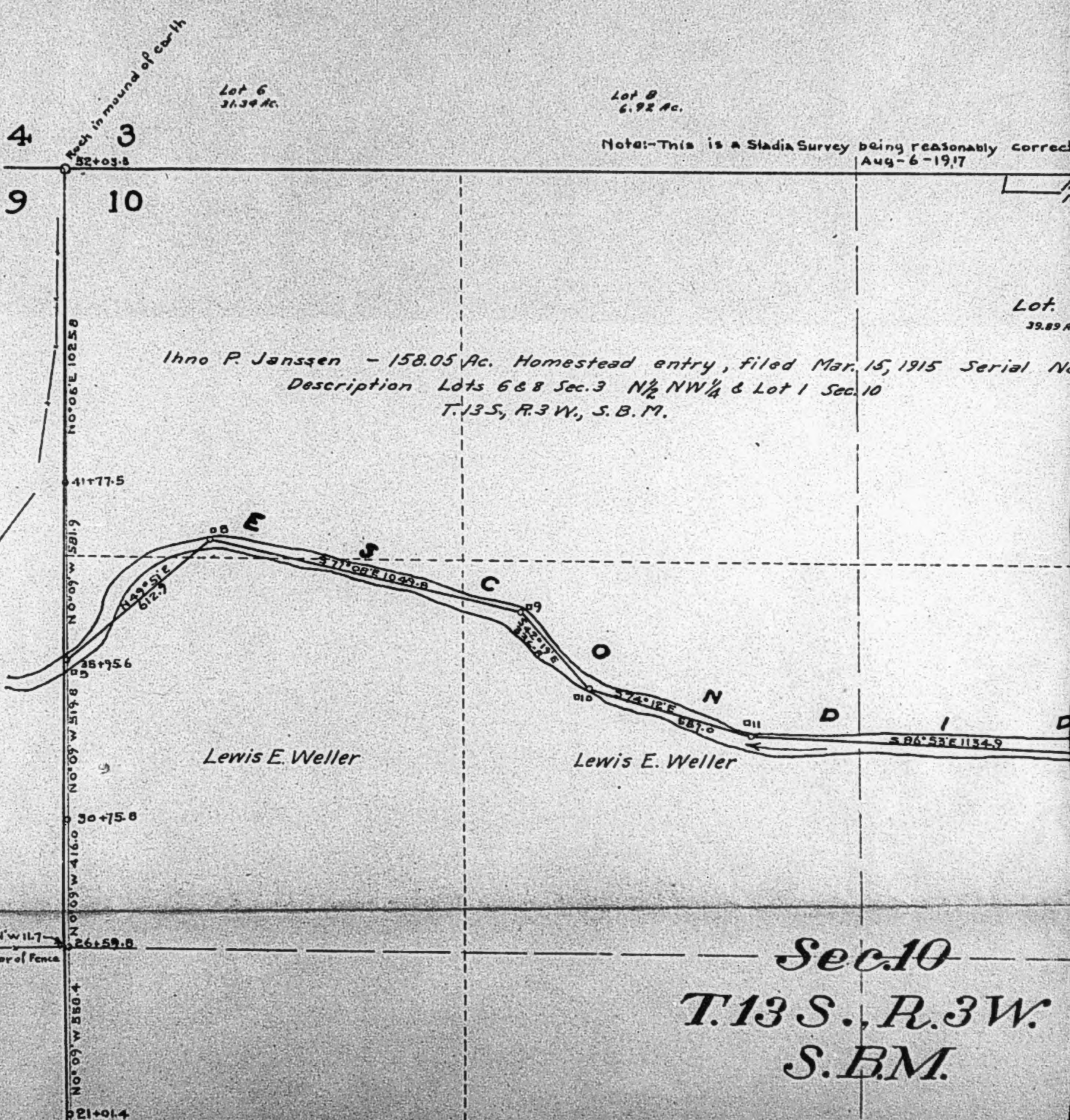
266

ON ESCONDIDO CREEK ~~RESERVOIR~~

Area and Capacity Table

November 1916

Depth	Contour	Area	Total Capacities	
			Acre Feet	Million Gallons
0	310	0.0	0.0	0.0
10	320	1.04	5.2	1.7
20	330	2.36	22.1	7.1
30	340	6.05	64.2	20.9
40	350	15.43	171.6	55.9
50	360	23.56	366.5	119.4
60	370	38.58	678.2	220.6
70	380	58.29	1162.2	378.3
80	390	85.20	1879.4	612.0
90	400	113.35	2872.1	935.4
100	410	136.68	4123.1	1343.0
110	420	166.76	5639.6	1837.1
120	430	192.94	7437.4	2422.9
130	440	230.17	9552.0	3112.0
140	450	261.87	12011.3	3913.3



† - M.F. Fadden

1.6 Ac. White Hawk Mining Claim

1.
Ac.
No. 021793

E Dam Survey

3

2

Cor Fence & Mound of rock

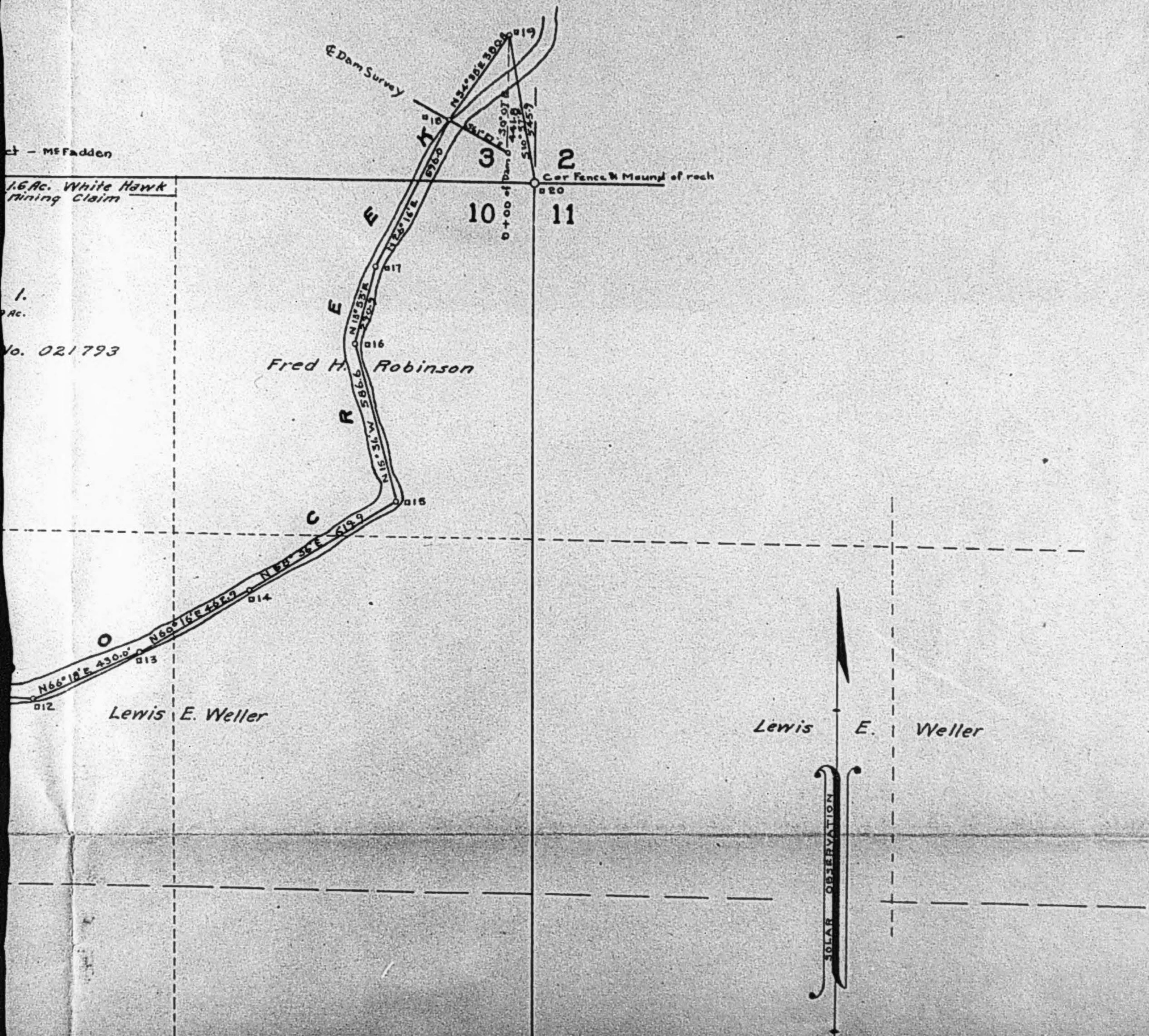
10

11

Fred H. Robinson

Lewis E. Weller

Lewis E. Weller



Sec 10

T. 13 S., R. 3 W.

S. B. M.

587° 41' W 11.7

Cor of Fence

No

26+59.0

No 09 W 558.4

21+01.4

No 09 W 1616.7

4+04.7

No 01 W 484.7

Peak in mound rock

9

10

16

15

Lewis E. Weller

SOLAR OBSERVATORY

Lewis E. Weller - 640 Ac. Stock-raising entry
filed June 18, 1917 Serial No. 030714
Suspended pending action on petition for
designation - Description:-(S.B.M)
S 1/2 NW 1/4, S 1/2 NE 1/4, NE 1/4 SE 1/4 Sec 10, T.13S, R.3W.
S 1/2 NW 1/4, SW 1/4 NE 1/4, SW 1/4, W 1/2 SE 1/4 " 11, " "
N 1/2 NW 1/4 Sec. 14, T.13S, R.3W., S. B. M.

10 11

15 14

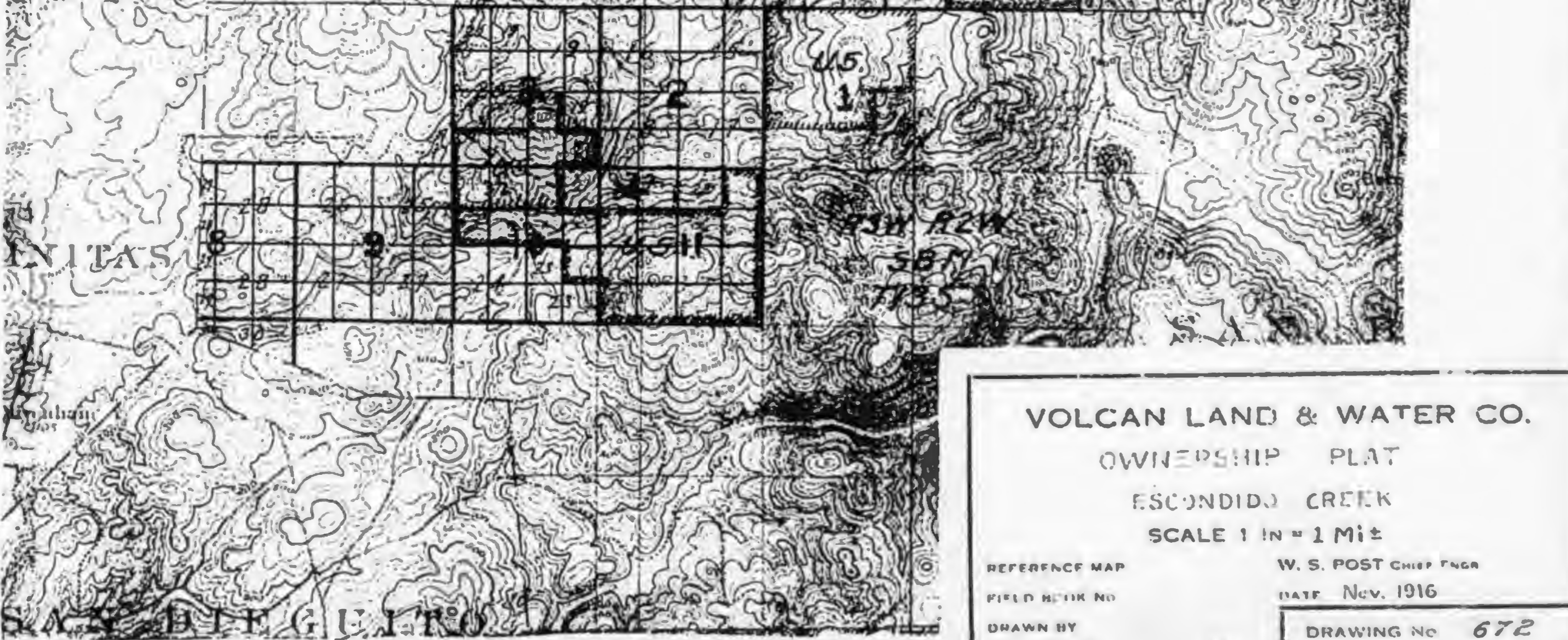
SAN DIEGUITO MUTUAL WATER CO.
SURVEY OF SEC 10, T.13S, R.3W, S.B.M.
Showing Location of
ESCONDIDO CREEK
SCALE 1 IN = 400 FT.

REF 219 S-4 Accompanying report of T.P. Ellis
FIELD BOOK No. 62 pg. 62 DATE Aug 1917

DRAWN BY W.D.M. Edden
CHECKED BY T.H.K. - Z.R.

DRAWING No. 221
FILE No. S 3

- 1. Wm. H. Icke
- 2. Wm. H. Icke
- 3. Wm. H. Icke
- 4. Mary Corns and J. L. Kempland
- 5. Mary Corns
- 6. Mary Corns
- 7. Mary Corns and J. L. Kempland
- 8. B. H. Hudson
- 9. Julia L. Kempland
- 10. Julia L. Kempland
- 11. Julia L. Kempland
- 12. Julia L. Kempland
- 13. Laura Stickney
- 14. Chas. Taylor
- 15. F. Lubardi Est
- 16. E. A. Taylor
- 17. J. W. Conners
- 18. E. A. Taylor
- 19. E. A. Taylor
- 20. J. M. Morales
- 21. F. H. Robinson
- 22. F. H. Robinson
- 23. F. Koehn
- 24. G. A. Conners
- 25. J. C. Bumann
- 26. D. Neymeyer
- 27. Herman Bumann
- 28. Peter Chelvet
- 29. C. E. Cole
- 30. Geo. H. Jones
- 31. U.S.
- 32. H. F. Jansen
- 33. Frank Conner



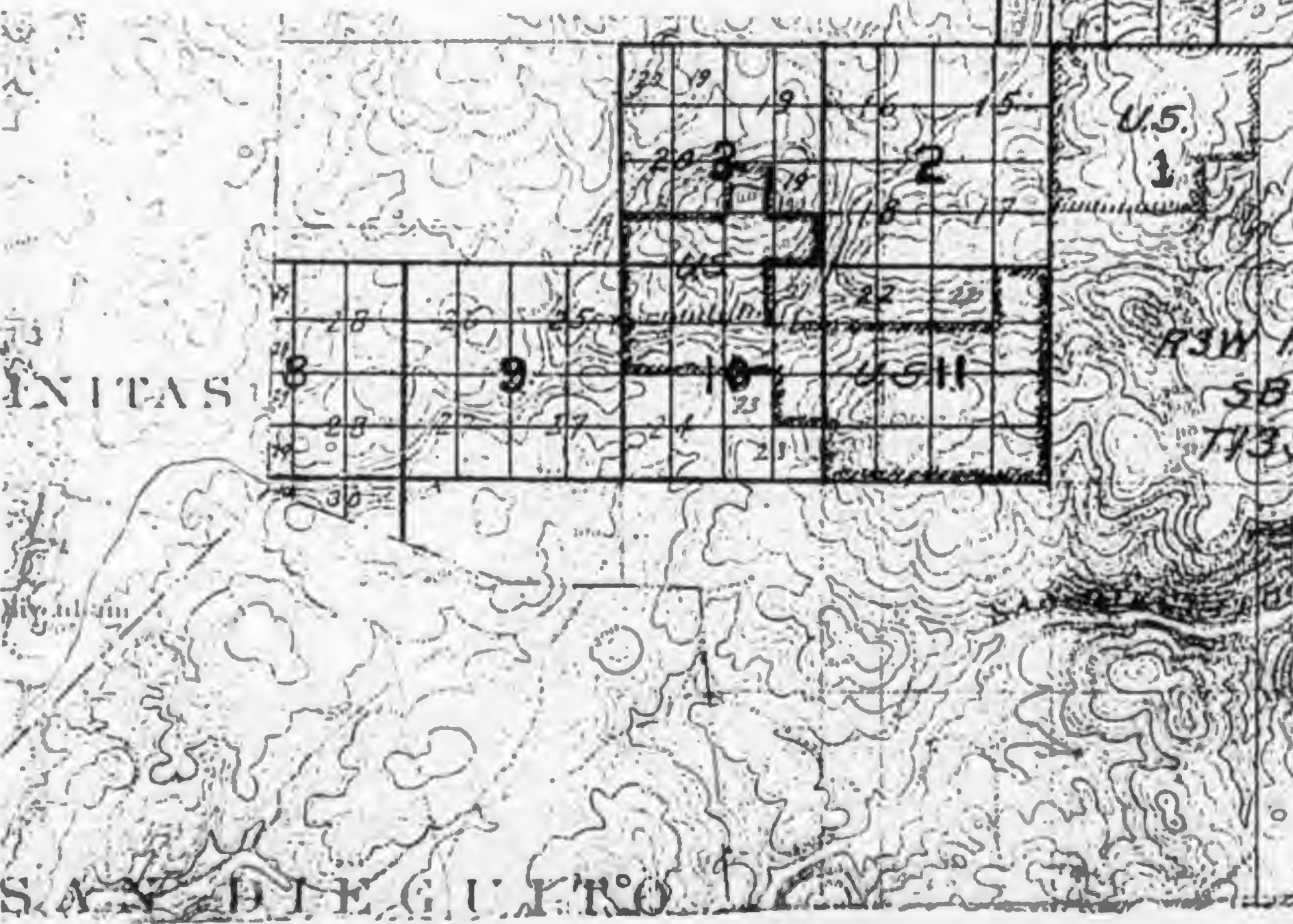
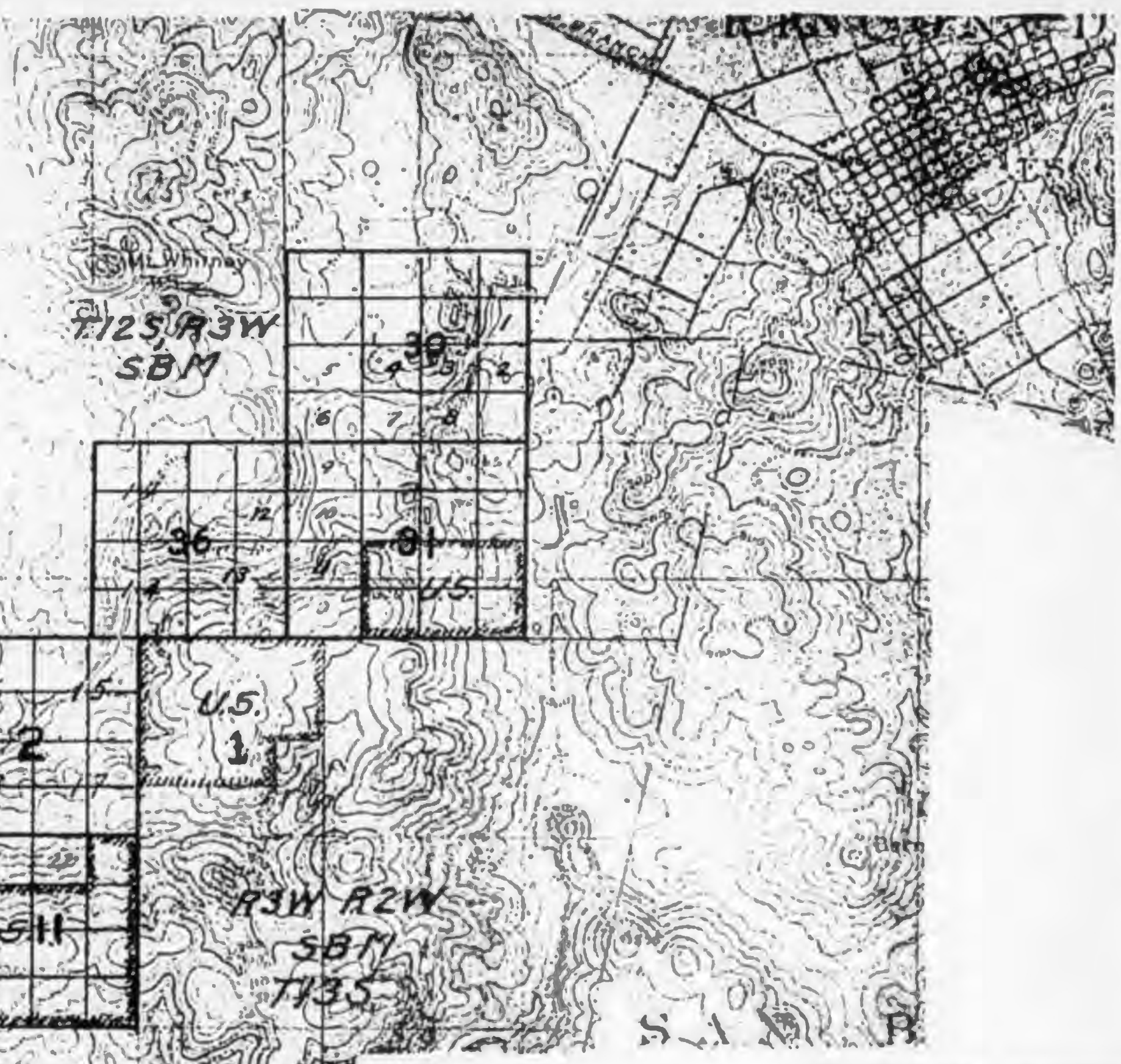
VOLCAN LAND & WATER CO.
OWNERSHIP PLAT
ESCONDIDO CREEK
SCALE 1 IN = 1 MI ±

REFERENCE MAP
 FIELD BOOK NO
 DRAWN BY
 CHECKED BY

W. S. POST CHIEF ENGR
 DATE Nov. 1916

DRAWING No 672
 FILE No 71

- 1. Wm. H. Icke
- 2. Wm. H. Icke
- 3. Wm. H. Icke
- 4. Mary Corns and J. L. Kempland
- 5. Mary Corns
- 6. Mary Corns
- 7. Mary Corns and J. L. Kempland
- 8. B. H. Hudson
- 9. Julia L. Kempland
- 10. Julia L. Kempland
- 11. Julia L. Kempland
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- 14. Chas. Taylor
- 15. A. Luvardi Est
- 16. E. A. Taylor
- 17. J. W. Conners
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- 19. E. A. Taylor
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- 24. G. A. Conners
- 25. J. C. Bumann
- 26. D. Neymeyer
- 27. Herman Bumann
- 28. Peter Chelvet
- 29. C. E. Cole
- 30. Geo. H. Jones



VOLCAN LAND & WATER CO.
 FVITOLINE PLAT
 ESCONDIDO CREEK
 SCALE 1 IN = 1 MI

REFERENCE MAP
 FILE NO. IN H.
 DRAWN BY
 CHECKED BY

W. S. POST CO. ENGINEERS
 DATE Nov. 1916

DRAWING NO. 672
 SHEET NO. 71

Ed Fletcher Papers

1870-1955

MSS.81

Box: 49 Folder: 10

**Business Records - Water Companies - Volcan
Land and Water Company - San Dieguito
System - San Elijo - San Elijo Dam lands**



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