Mission Valley.
1029
Test Wells — Guage Hts.

1029

KEUFFEL & ESSER CO.

DRAWING MATERIALS
AND
SURVEYING INSTRUMENTS.

NEW YORK.

CHICAGO. ST. LOUIS. SAN FRANCISCO. MONTREAL.

MICROFILMED
DEC 1 1964

TABLES FOR EXCAVATIONS AND EMBANKMENTS.

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.
ROADWAY 18 FEET WIDE. SIDE SLOPES 1 TO 1.
FOR SINGLE TRACK EXCAVATION.

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	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	0
1	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	1
2	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	2
3	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	3
4	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	4
5	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	5
6	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	6
7	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	7
8	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	8
9	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	9
10	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	10
11	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	11
12	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	12
13	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	13
14	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	14
15	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	15
16	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	16
17	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	17
18	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	18
19	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	19
20	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	20
21	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	21
22	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	22
23	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	23
24	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	24
25	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	25
26	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	26
27	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	27
28	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	28
29	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	29
30	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	30
31	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	31
32	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	32
33	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	33
34	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	34
35	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	35
36	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	36

Calculated by Julien A. Hall, M. Am. Soc. C. E.

For Keith's Railroad Curve Tabels see end of book.

RETURN TO CITY ENGINEER'S OFFICE
CITY HALL, SAN DIEGO, CAL.

Mission Valley
Water Measurements

Well #13

Date	Time	Ele-R.P.	Reading	Ele-Water	Observer
6-25-15	9 a.m.	44.23	8.09	36.14	R. Hunter
6-29-15	11 30	" "	7.98	36.25	"
7-1-15	4 p.m.	" "	8.06	36.17	"
6-17-15	1:00 P.M.	" "	7.57	36.66	Wed.
6-19-15	12:20 M.	" "	7.64	36.59	"
6-21-15	12:50 M.	" "	8.00	36.23	"
7-7-15			~~12.83~~ 8.14	~~31.40~~ 36.09	Huston
7-12-15	3 —	" "	8.36	35.87	"
7-15-15	3 —	" "	8.43	35.80	"
7-19-15	10 30	" "	8.52	35.71	"
7-24-15	9 —	" "	8.61	35.62	H.
7-30-15	3 15	" "	11.65	32.58	H.
8-6-15	3 -	" "	14.48	29.75	H.
	used		9.0	35.23	
8-13-15	3 30		11.62	32.61	N. P
8-20-15	3 —	"	used	~~35.20~~ 35.00	H.
			11.40	32.83	H.
8-27-15	3 -	"	9.23	35.00	H.
8-31-15	2 30	"	9.40	34.83	H.
9-3-15	2 30	"	9.40	34.83	H
9-9-15	2 30	"	9.20	35.03	H

U.S.G.S. #346
P.L. 1110
Wind Mill
Depth 16.5'

pumping continuous.

Pumping

Well #14

Date	Time	Ele R.P.	Reading	Ele W.	Observer
6-25-15	9 am	43.86	6.27	37.59	Huston
6-29-15	12 –	" "	8.18	35.68	R "
6-17-15	1 PM	" "	16.37	27.49	KBS.
7-7-15	3 "	" "	7.41	36.45	Huston
7-12-15	3 –	" "	7.03	36.83	"
7-15-15	3 –	Pumping		(36.75)	
7-19-15	10 30		7.21	36.65	H.
7-22-15	11 30	"	7.26	36.60	H.
7-24-15	12 –	"	7.29	36.57	H
7-30-15	3 30	"	8.15	35.71	H.
8-6-15	3 30	a	7.50	36.36	H. P.
8-13-15	3 –	"	7.94	35.92	H.
8-20-15	3 30	"	7.60	36.26	H.
8-27-15	3 30		7.75	36.11	H
8-31-15	2 30	"	7.66	36.20	H.
9-3-15	2 30	"	7.65	36.21	H.
9-9-15	2 30	"	7.71	36.15	H

Lushers Pump
P.L. #1110?
Depth 19.0'
Pump running to not use.

Bear Pumping

Well #15

Date	Time	Elev. R.P.	Reading	Elev.	
6-25-15	9 00 AM	47.87	10.07	37.80	Huston
6-29-15	12 –	" "	10.60	37.27	"
7-1-15	4 –	" "	10.99	36.88	"
6-17-15	12:45	" "	9.81	38.06	
7-7-15	3	" "	11.02	36.85	
7-13-15	3 30	" "	10.93	36.94	
7-15-15	3 –	Pumping		(36.95)	
7-19-15	10 30		11.08	36.82	H
7-22-15	11 30		11.24	36.63	H
7-24-15	11 45		11.14	36.73	H.
7-30-15	4 –	"	11.35	36.52	H.
8-6-15	4 –	" @	11.50	36.37	H. P
8-13-15	3 –	"	11.38	36.59	H
8-20-15	3 30	"	11.34	36.53	H.
8-27-15	3 30	"	11.40	36.47	H
9-3-15	3 –	"	11.40	36.47	H.
9-9-15	3 –	"	11.40	36.47	H

Jake Jepson Pump
Lot #8 of Pl. 1113
D = 26.8'

Well #16

Date	Time	Ele R.R.	Reading	Ele. W	
6-26-15	11 AM	46.82	8.72	38.10	
7-1-15	1 PM	" "	8.90	37.92	
7-7-15	3 "	" "	(9.30)	(37.52)	
7-13-15	2 "	" "	10.54	36.28	H.
7-15-15	12 -	" "	9.63	37.19	
7-20-15	1 -	" "	9.87	36.95	H.
7-22-15	12 30	" "	10.16	36.66	H.
7-23-15	1 00	" "	9.77	37.05	H.
7-30-15	12 -		9.52	37.30	H. N.B.
8-6-15	12 -	" "	9.49	37.33	H.
8-13-15	11 00	" "	10.07	36.80	H.
8-18-15	2 -	" "	9.63	37.19	H.
8-20-15	11 30	" "	9.63	37.19	H.
8-24-15	10 -	" "	9.50	37.32	H.
8-27-15	11 30	" "	9.61	37.21	H.
9-3-15	11 00	" "	9.35	37.47	H.
9-9-15	11 30	" "	9.94	36.88	H.P.
			9.25	37.57	

Ricards Pump
Ex. M Lot 32
15' in Depth

Has Been Running

Well #17

Date	Time	Ele. R.P.	Reading	Elew	
6-21-15	1 P.M.	44.91	2.39	42.52	Huston
6-29-15	3 "	" "	2.96	41.95	"
7-1-15	1 30	" "	4.51	40.40	"
6-17-15	2:30 "	" "	2.93	41.98	NMS.
7-7-15	11.30		3.69	41.22	Huston
7-9-15	2 –		5.53	39.38	"
7-12-15	11 30	" "	8.69	36.22	
7-15-15	11 45	" "	5.56	39.35	H
7-19-15	2 –	" "	5.89	39.02	H.
7-23-15	2 –	" "	4.87	40.04	H
7-30-15	11 45	" "	4.59	40.32	H
8-6-15	12 –	" "	5.70	39.21	H. R
8-13-15	11 –	" "	4.61	40.30	H.
8-20-15	11 30	" "	4.85	40.06	H.
8-24-15	10 30	" "	4.95	39.96	H.
8-27-15	11 30	"	5.10	39.81	H.
9-3-15	11 –	"	8.35	36.56 a ~~40.00~~	H.P.
9-9-15	11 –	"	7-17	37.74 40.00a	H.P.

Andrew Fearrie Pump

Ex M Lot #32

D = 13.1'

Had been pumping

Well #18

D	T	F.R.P.	R	F.W.	
6-21-15	2 PM	48.77	5.32	43.45	
6-25-15	10 30	"	5.52	43.25	
6-29-15	3 PM	"	6.06	42.71	
7-1-15	1 30	"	6.12	42.65	
6-17-15	3 00 PM	"	5.33	43.44	~~H.~~
7-7-15	11:30	"	6.90	41:87	H
7-9-15	2 —	"	7.41	41.36	H
7-12-15	11 30	"	7.35	41.42	H.
7-15-15	11 30	"	7.89	40.88	H.
7-19-15	2 —	"	8.08	40.69	H.
7-23-15	2 —	"	8.12	40.65	H.
7-30-15	11 45	"	8.01	40.76	H.
8-6-15	11 45	"	8.27	40.55	H
8-13-15	11 15	"	8.85	40.42	H.
8-20-15	11 —	"	8.41	40.36	H.
8-24-15	11 —	"	8.24	40.53	H.
8-27-15	11 30	"	8.19	40.58	H.
9-3-15	11 —	"	8.20	40.57	H.
9-9-15	11 —	"	8.28	40.49	H.

McDermott Pump
Ex. M. Lot #32
D = 32'

Well 18

D.	T.	E.R.P	R.	E.W.	
6-25-15	10 30	54.15	6.09	48.06	
6-28-15	10 a.m.	" "	6.45	47.70	R.
7-1-15	10 -	" "	7.19	46.96	R. KBS
6/17-15	3 PM.	" "	6.00	48.15	KBS.
7-7-15	11:00	" "	7.54	46.61	Hoist
7-12-15	10 -	" "	8.77	45.38	"
7-15-15	11 15	" "	~~10.08~~	~~44.07~~ (46.00)	"
7-19-15	3 -	" "	10.35	43.80	"
7-23-15	3 -	" "	10.15	43.00	H.
7-30-15	10 -	" "	10.31	43.84	N.
8-6-15	10 30	" "	10.90	43.25	H. P.
8-13-15	10 15	" "	10.59	43.56	N. P
8-20-15	10 30	" "	10.60	43.55	H. P
8-27-15	10 15	" "	10.35	43.80	H. P
9-3-15	10 -	" "	11.05	43.10	H.
9-9-15	10 30	" "	10.85	43.30	H. P.

Gibsons Wind Mill
Ex M Lot #31
U.S.G.S #348
Depth ~~10.7~~ 11.5

Pumping
"

Well #20

D.	T.	E.R.P.	R	F.W.	
6-22-15	3 30	53.97	5.23	48.76	
6-25-15	10 30	"	5.30	48.67	
6-28-15	10 00	"	5.44	48.53	
7-1-15	10 –	"	5.63	48.34	KBS
6-17-15	3:15	"	5.35	48.62	KBS
7-7-15	10:30	"	6.54	47.43	[illegible]
7-12-15	10 –	"	7.72	46.25	"
7-15-15	11 15	"	7.31	46.66	"
7-19-15	3 –	"	8.52	45.45	"
7-23-15	2 30	"	8.82	45.15	H.
7-30-15	10 –	"	10.05	43.92	H.
8-6-15	10.30	"	9.64	44.33	H.
8-13-15	10 15	"	9.71	44.26	H.
8-20-15	10 30	"	9.81	44.16	H.
8-27-15	10 15	"	9.99	43.98	H.
9-3-15	10 –	"	10.74	43.23	H. P.
9-9-15	10 30	"	10.09	43.88	H.

Gibsons Pump
Ex. M. Lot # 31
D = 17.7

Running

~~Had Been Running~~

Well #21

D	T.	E.R.P	R	E.W	
6-22-15	3 PM	59.40	6.36	53.04	
6-25-15	11 AM	" "	6.25	53.15	
6-28-15	10 AM	" "	6.36	53.04	
6-17-15	9 P.M	" "	6.50	52.90	
7-7-15	9	" "	6.42	52.98	
7-12-15	10	" "	7.55	51.85	Ber
7-15-15	10	" "	6.85	52.55	H
7-20-15	9 20	" "	6.75	52.65	H
7-23-15	11	" "	7.00	52.40	a H.
7-30-15	9 30		7.18	52.22	H. ok
8-6-15	10	" "	7.51	51.89	H.
8-13-15	10	" "	7.58	51.82	H.
8-20-15	10	" "	7.79	51.61	H.
8-27-15	10	" "	7.94	51.46	H.
9-3-15	9 30	" "	8.15	51.25	H.
9-9-15	10	" "	8.15	51.25	H

4"x4" Hand Dug Well
Exit Lot #45
D = 10.5

Running

Well #22

D.	T	E.R.P.	R.	E.W.
6-28-15	9 4½	64.58	16.08	48.50

Agnes Gillen Pump
Ex. on Lot #44

Had been running -

Well #23

Date	T	E.R.P.	R	F.W.	
6-21-15	2 30	52.90	6.92	45.98	
6-25-15	1 PM	" "	6.96	45.94	
6-29-15	4 -	" "	7.76	45.14	R
7-1-15	9 30	" "	7.43	45.47	R
6-15-15	3 PM	" "	7.05	45.85	C/H2
6-18-15		" "	7.09	45.81	KBl.
7-7-15	10:30	" "	7.93	44.97	Hush
7-10-15	10 30	" "	8.18	44.72	"
7-12-15	10-45	" "	8.39	44.41	"
7-15-15	10-15	" "	8.28	44.42	"
7-20-15	10 45	" "	8.02	44.88	"
7-23-15	11 15	" "	7.89	45.01	H.
7-31-15	10 30	"	7.62	45.38	H.
8-6-15	11-	"	7.85	45.15	H
8-13-15	10 30		7.17	45.76	H.
8-20-15	10 30	"	7.00	45.90	H
8-27-15	11-		6.90	46.00	H.
9-3-15	10 30		6.98	45.92	H.
9-9-15	10 30	"	6.87	46.03	H.

Gettysburg's well
Ex. M. Lot #36
D = 20.0' 10" Casing

Well #24

D.	T	E.R.P.	R	E. W.	
6-21-15	3 P.M.	46.26	1.90	44.36	
6-25-15	1 30	" "	3.08	43.18	Running
6-29-15	3 30	" "	2.74	43.52	
7-1-15	10 am		3.07	43.19	
6-18-15	1:00 PM.	" "	2.80	43.46	
7-7-15	10:30	" "	2.67	43.59	H
7-12-15	11 -	" "	3.34	43.02	H
7-15-15	11 -	" "	5.70 (3.00)	(43.26)	H.
7-20-15	11-15		(a) 4.02 3.50	42.76	H.
7-23-15	11 30	" "	3.63	42.63	H.
7-30-15	11 -	" "	3.42	42.84	H.
8-6-15	11 -	" "	3.43	42.83	H.
8-13-15	11 -	" "	3.51	42.75	H.
8-20-15	11 -	" "	3.60	42.66	H.
8-27-15	11 -	" "	3.65	42.61	H.
9-3-15	11 -	" "	3.65	42.61	H.
9-9-15	11 -	" "	3.66	42.60	H

Chino Truck Garden
Ex. M. Lot #36
U.S.G.S #392
$\varnothing$ = 9.0'

Running

Running
"

Well #25

D.	T.	E.R.P.	R	E.W.	
6-21-15	3 PM	64.09	17.36	46.73	
6-25-15	1 30	" "	17.45	46.64	
7-1-15	10 —	" "	17.73	46.36	
6-18-15	-	" "	17.28	46.81	KBS
7-7-15	1:30	" "	18.00	46.09	
7-12-15	1 30	" "	18.35	45.74	H.
7-15-15	1 30	" "	18.53	45.56	H.
7-20-15	2 —	" "	18.87	45.22	H.
7-24-15	11 15	" "	19.17	44.92	H.
7-30-15	2 30	" "	19.52	44.57	H.
8-6-15	2	" "	19.80	44.29	H.
8-13-15	1 30	" "	20.09	44.00	H.
8-18-15	11 —	" "	20.25	43.84	H.
8-20-15	2 —	" "	20.32	43.77	H.
8-27-15	2 —	" "	20.53	43.56	H.
9-3-15	1 30	" "	20.66	43.43	H.
9-9-15	1 30	" "	20.74	43.35	H.

Emma Hoff Concrete Well
Ex. M Lot #34
Depth 26.5'

Well #26

D.	T.	E.R.P.	R.	E.W.	
6-21-15	3 30	44.79	1.08	43.71	
6-25-15	2 PM	" "	1.34	43.45	
7-1-15	10 30	" "	2.09	42.70	
6-18-15		" "	1.03	43.76	
7-7-15	11:30	" "	3.08	41.71	
7-15-15		"		(41.10)	
7-17-15	10 30		4.20	40.59	
7-20-15	1 30	" "	4.64	40.15	H
7-24-15	11-	" "	4.87	39.92	H
7-30-15	2-	" "	4.96	39.83	H
8-6-15	1 30	" "	4.96	39.83	H
8-10-15	3-	" "	5.03	39.76	H
8-13-15	1-	" "	5.15	39.64	H
8-18-15	10 30	" "	5.18	39.61	H
8-20-15	1 30	" "	5.19	39.60	H
8-27-15	1 30	" "	5.24	39.55	H
9-3-15	1-	" "	5.24	39.55	H
9-9-15	1-	" "	5.22	39.57	H

Pecks Pump
Ex. Mt. Lot #34
~~Dgh. 4'~~

New R.P. #18

Well #27

D	T	E.R.P.	R	E.W.	
6-25-15	2 PM	91.90	47.95	43.95	
6-29-15	10 30	" "	47.90	44.00	
7-1-15	2 PM	" "	47.88	44.02	
6-19-15	11 00 AM	" "	48.04	43.86	N.B.S.
7-7-15	2 PM.	" "	47.82	44.08	Hunt
7-12-15	2 30	" "	47.78	44.12	H.
7-15-15	1 45	" "	47.76	44.14	H.
7-24-15	11 30	" "	47.77	44.13	H.
7-30-15	2 30	" "	47.80	44.10	H.
8-6-15	2 -	" "	47.80	44.10	H.
8-13-15	2 -	" "	47.80	44.10	H.
8-20-15	2	" "	47.80	44.10	H.
8-27-15	2 15	" "	47.83	44.07	H.
9-3-15	2 -	" "	47.87	44.03	H.
9-9-15	2 -	" "	47.90	44.00	H.

Windmill at Ohre-House
Ex. M. Lot # 33
70' Deep

Well #28

D.	T.	E.R.P.	R	E.W.	
6-25-15	8 0.M	48.00	6.48	41.52	
6-29-15	10 30	" "	6.77	41.23	
7-1-15	10 30	" "	7-18	40.82	
			(7-50)	(40.50)	
7-9-15	9 -	" "	8.21	39.79	H.
7-12-15	2 -	" "	8.58	39.42	H.
7-15-15	1-15	" "	9-10	38.90	H.
7-17-15	10 -	" "	9.37	38.63	H.
7-22-15	12 30	" "	9.79	38.21	H.
7-24-15	11 -	" "	9.66	38.34	H.
7-30-15	2 -	" "	9.95	38.05	H.
8-6-15	1 30	" "	10.15	37.85	H.
8-13-15	1 30	" "	10.27	37.73	H.
8-20-15	1 30		10.41	37.59	H.
8-27-15	1 30		10.53	37.47	H.

Ohres Pump
Ex.M. Lot #33

Depth 9.6

Pumping
"
"

Dry

Well #29

D.	T.	E.R.P.	R.	E.W.	
6-24-15	11 am	442.5	8.27	35.98	
6-25-15	8 30	" "	8.29	35.96	N
6-29-15	11 am	" "	8.41	35.84	N.
7-1-15	2 30	" "	8.47	35.78	N
7-7-15	2 30	" "	8.61	35.64	N
7-13-15	2 30	" "	8.79	35.46	N.
7-15-15	2 —	" "	10.03 → 34.22		N
			used (35.30)		
7-19-15	11 30	" "	10.21	34.04	N.
7-24-15	9 30	" "	9-18	35.07	N.
7-30-15	2 30	" "	9.33	34.92	N.
8-6-15	2 30	" "	9.45	34.80	N.
8-10-15	2 —	" "	9.71	34.54	N
8-13-15	2.15	" "	10.57	33.88	N.P
8-20-15	2 30	" "	9.88	34.37	N.
8-23-15	10 30	" "	9.94	34.31	N.
8-27-15	2 30	" "	10.33	34.92	N.
9-3-15	2 —	" "	10.85	33.40	N. P.
9-9-15	2 —	" "	10.51	33.74	N. P

Hong Kong Windmill
at House
P.L. #1109
D = 18.8

Pumping

Well #30

D	T	E.R.P.	R	E.W.	
6-25-15	8 30	42.21	5.51	36.70	
6-29-15	11 30	" "	5.64	36.57	
7-1-15	2 30	" "	6.06	36.15	
7-7-15	2 30	" "	6.54	35.67	
7-12-15	2 30		6.44	35.77	
7-15-15	2 —	" "	6.68	35.53	
7-19-15	12 —	" "	6.86	35.35	
7-24-15	9 45	" "	7.20	35.01	
7-30-15	3 —	" "	7.23	34.98	
8-6-15	2 30	" "	7.68	34.53	N
8-13-15	2 30	" "	7.86	34.35	N
8-20-15	2-30	" "	8.32	33.89	N
8-27-15	2-30	" "	9.71	33.00	N
9-3-15	2 30	" "	9.43	32.78	N
9-9-15	3 30	" "	8.39	33.82	N

Hong Kong Fast Pump
Odd Pumping Station
P.L. # 1109
Q = 11.3

Well #31

D.	T	E.R.P.	R.	E.W.	
7-1-15	2 30	39.63	4.40	35.23	
6-19-15		"	3.48	36.15	KBS.
7-7-15	2 30	"	4.86	34.77	Hvst
7-12-15	2 30	"	5.95	33.68	"
7-15-15	2 —	"	~~6.69~~	34.60 ~~32.94~~	
7-19-15	11 —	"	~~6.70~~ (6.45)	(34.40) 32.93	N.
7-24-15	9 30	"	4.90	34.73	N.
7-30-15	3 —	"	6.34	33.29	N.
8-6-15	2 30	"	6.95	33.38	N.
8-13-15	2 30	" "	7.00	32.63	N.
8-20-15	2 30		5.45	34.18	N.
8-23-15	10 —		5.60	34.03	N.
8-27-15	2 30	" "	5.70	33.93	N.
9-3-15	2 —	" "	6.00	33.63	N.
9-9-15	2 —	" "	6.00	33.63	N.

Hong Fars West Pump
P.L. #1109
~~D~~ = 8'

Pumping
"
Pumping

Well #32

D.	T.	E.R.P.	R.	E.W.	
6-29-15	1:30	49.11	11.64	37.47	Hus
6-15-15	2:00 P.M.	" "	9.40	39.71	CH.S
6-17-15	12:30 "	" "	9.55	39.56	WBS
6-27-15	9:AM.	" "	10.27	38.84	"
7-7-15	3 PM	" "	12.15	36.96	Hus
7-12-15	3 —	" "	12.10	36.92	"
7-15-15	1 —	" "	12.21	36.90	N.
7-19-15	3:30	" "	12.17	36.94	H.
7-24-15	10 —	" "	12.24	36.87	H.
7-30-15	1 —	" "	9.86	39.25	H.
8-6-15	1 —	" "	9.55	39.56	H.
8-13-15	12:30	" "	9.59	39.17	H.
8-20-15	12:30	" "	10.34	38.87	H.
8-27-15	12:45	" "	12.32	36.79	H.
9-3-15	1 —	" "	9.85	39.24	H.
9-9-15	1 —	" "	9.90	39.21	H.

Old Brick Well at City
on Jersons Place.
Pumped By Barnes
Depth 18'

Pump taken out

High water level from waste water flowing back from rock crusher.

Well #33

70.26

7-10-15	8 30		7.06	63.20	N
7-12-15	9 -		Pumping		N
7-13-15	9 -		7.30	62.96	N
7-15-15	9 -		7.44	62.82	N
7-20-15	9 -		7.41	62.85	N
7-23-15	9 30	"	7.09	63.17	N
7-27-15	1 -	"	6.98	63.28	N
7-30-15	9 -	"	7.25	63.01	N
8-6-15	8 30	"	7.85	62.41	N
8-11-15	8 30		8.12	62.14	N
8-13-15	8 45		9.89	60.37	N. P
8-20-15	9 30	"	8.03	62.23	N
8-27-15	9 -		7.76	62.50	N
9-3-15	9 -		6.98	63.28	N
9-9-15	9 -		7.88	62.38	N

Allens

3 notches on W. side of still well Box at Allens N. pump

East of House

Well #34

		53.95			
7-10-15	10 30	"	6.44	47.51	H.
7-12-15	9 30	"	13.57	40.43	H. Pumping
7-13-15	10 -	"	14.06	39.89	"
7-15-15	9 30		6.57	47.38	
7-20-15	9 30		13.92	40.03	H. Pumping
7-23-15	10 30	"	14.50	39.45	H. "
7-30-15	9 15	"	14.85	39.10	H. "
8-6-15	9 30	"	5.92	48.03	H.
8-13-15	9 30	"	5.65	48.30	H.
8-20-15	10 -	"	6.47	47.48	H
8-27-15	9 30	"	used 15.07	47.48 38.88	H. P
9-3-15	9 30	"	Pumping a 6.50	47.45	H. P.
9-9-15	9 30	"	a 6.50 14.95	47.45 → 9 39.00	H. P.

Allows Line of Wells

80' from Pump

5" Casing

Ele of 6" casing with 2" pipe = 53.54

Well # 35

		85.26			
7-12-15	9 –		8.05	77.21	N.
7-13-15	9 30		8.07	77.18	N
7-16-15	9 30	"	7.70	77.56	N.
7-20-15	9 –	"	7.83	77.43	N.
7-23-15	10 –	"	7.90	77.36	N.
7-27-15	1 30	"	8.07	77.19	N.
7-30-15	9 –	"	8.10	77.16	N.
8-6-15	9 15	"	8.20	77.06	N
8-20-15	9 30	"	8.33	76.83	N.
8-27-15	9 30	"	8.51	76.75	N.
9-3-15	9 –	"	8.45	76.81	N.
9-9-15	9 –	"	8.47	76.79	N.

N-of Allen
Guglimetti Lease

Running
"
"
"

Test Well #3

Date	Time	Ele. R.P.	Reading	Ele. Water	
6-22-15	2 PM	44.33	6.61	37.72	
6-25-15	9 30	" "	6.83	37.50	
6-29-15	2 PM	" "	7.22	37.11	
6-30-15	11 AM	" "	7.33	37.00	
7-1-15	2 PM	" "	7.56	36.77	
7-7-15	1 "	" "	9.36	34.97	
7-12-15	1 —	" "	9.40	34.93	N
7-13-15	2 —	" "	9.31	35.02	N.
7-15-15	1 —	" "	8.99	35.34	N.
7-17-15	11 —		8.84	35.49	N.
7-20-15	1 30	" "	8.72	35.61	N
7-23-15	12 30	" "	8.73	35.60	N.
7-24-15	10 30	" "	8.67	35.66	N.
7-30-15	1 30	" "	8.56	35.77	N.
8-6-15	1 11	" "	8.48	35.85	N.
8-13-15	1 —	" "	8.51	35.82	N.
8-19-15	11 —	" "	8.55	35.78	N.
8-20-15	1 —	" "	8.54	35.79	N.
8-24-15	9 —	" "	8.45	35.88	N.
8-27-15	1 —	" "	8.41	35.92	N.
8-31-15	11 —	" "	8.42	35.91	N.
9-3-15	1 —	" "	8.48	35.85	N.
9-9-15	1 —	" "	8.53	35.80	N.

North line of Lot 32
Ex. Mission Rancho.
OPP #9 Well

Test Well #4

D.	T.	E.R.P.	R	E.W.	
6-22-15	2 P.M.	4561	6.95	38.66	
6-25-15	10 A.M.	" "	7.06	38.55	
6-29-15	2 30	" "	7.10	38.51	
7-1-15	11 30	" "	7.20	38.41	
7-7-15	11 30	" "	7.20	38.41	
7-9-15	2 —	" "	8.32	37.29	
7-10-15	11 30	" "	8.40	37.21	
7-12-15	12 —	" "	8.50	37.11	N
7-13-15	2 —	" "	8.54	37.07	N.
7-15-15	12 —	" "	8.54	37.07	N.
7-19-15	1 30	" "	8.44	37.17	N
7-20-15	1 —	" "	8.38	37.23	N
7-22-15	12 30	" "	8.31	37.30	N.
7-23-15	1 30	" "	8.28	37.33	N.
7-30-15	12 —	" "	7.95	37.66	N.
8-6-15	12 —	" "	7.78	37.83	N.
8-12-15	9 —	" "	7.67	37.94	N.
8-13-15	11 30	" "	7.67	37.94	N.
8-19-15	10 —		7.64	37.97	N.
8-20-15	11 30		7.65	37.96	N.
8-24-15	9 30		7.60	38.01	N.
8-27-15	12 —		7.57	38.04	N.
8-31-15	11 30	" "	7.55	38.06	N.
9-3-15	11 30	" "	7.55	38.06	N.
9-9-15	11 30	" "	7.53	38.08	N.

On South Line of City Property in Ex. Lot #32 Opp. #9 Well

Test Well #5

D	T	E.R.P.	R	E.W	
6-22-15	11 30	6592	9.96	55.96	
6-23-15	2 30	" "	10.16	55.76	
6-25-15	12 -	" "	9.58	56.34	
6-28-15	9 AM	" "	10.24	55.68	
7-1-15	9 "	" "	10.48	55.44	
7-7-15		" "	(10.80)	(55.12)	
7-13-15	10 -	" "	10.54	55.38	N
7-15-15	—			(55.38)	
7-20-15	8 30	" "	7.90	58.02	N
7-23-15	9 30	" "	9.35	56.57	N
7-27-15	1 -	" "	10.00	55.92	N
7-30-15	8 45	" "	10.50	55.42	N
8-6-15	9 -	" "	10.75	55.17	N
8-11-15	8 45	" "	10.86	55.06	N
8-13-15	9 -	" "	10.71	55.21	N
9-3-15	8 45	" "	11.75	54.17	N
9-9-15	9 -	" "	11.90	54.02	N

Under Bridge on Road on
North Side of M. Valley
Bet. Fx. M. Lots 33 & 34

Test Well #6

D	T	E.R.P.	R	E.W.	
6-21-15	2:30	5437	2.30	52.07	
6-25-15	12	" "	2.41	51.96	
6-28-15	OUT				
6/18/15	11:30 PM	" "	2.40	51.97	KBl

On Guglimetties Place
Filled up and R.P. Destroyed
~~6" Casing~~

Test Well #7

D	T.	E.R.P.	R	E.W	
6-28-15	2 30	58.05	8.35	49.70	
6-28-15	9 00	" "	9.84	48.21	
7-1-15	9 30	" "	10.81	47.24	
7-7-15		" "	10.65	47.40	
7-10-15	10 —	" "	11.06	46.99	H
7-12-15	9 30	" "	10.71	47.34	H.
7-13-15	10 —	" "	10.76	47.29	H
7-15-15	9 30	" "	10.88	47.14	H.
7-20-15	9 30	" "	10.33	47.72	H
7-23-15	10 40	Filled up			
		54.70			
7-30-15	9 15	"	7.66	47.04	H.
8-6-15	9 45	"	7.59	47.11	H.
8-11-15	9 30	"	7.41	47.29	H.
8-13-15	9 30	"	7.25	47.45	H.
8-16-15	1 —	"	7.14	47.56	H.
8-30-15	10 —	57.85	10.93	46.92	H.
8-27-15	9 30		11.17	46.68	H.
9-3-15	9 30	" "	10.94	46.91	H.
9-9-15	9 30	" "	11.35	46.50	H.

OM Ex. M Lot 35
Below Allens Place

New R.P.

New R.P.

Test well #8

D	T	E.R.P.	R	E.W.	
6-25-15	12 30	55.74	6.50	49.24	N
7-15-15	9 45	" "	8.75	46.99	N
7-20-15	9 50	" "	8.44	47.30	N
7-23-15	10 45	" "	8.51	47.23	N
7-28-15	11 30	" "	8.50	47.24	N
7-30-15	9 15	" "	8.52	47.22	N
8-6-15	10 -	" "	8.60	47.14	N
8-11-15	10 -	"	8.38	47.36	N
8-13-15	9 30	"	8.25	47.49	N
8-16-15	2 -	"	8.56	47.18	N
8-20-15	10 -	"	8.74	46.98	N
8-27-15	9 30		8.83	46.91	N
9-3-15	9 30	"	8.72	47.02	N
9-9-15	9 30	"	9.05	46.69	N

Old cased well of City's lot 38 S.E. of #1 well

Testwell # 8

D	T	F.R.P.	R	F.W	
6-24-15	4 pm	51.65	9.58	42.07	
6-25-15	1 pm	" "	6.23	45.42	
6-29-15	4 –	" "	6.42	45.23	
7-1-15	10 am	" "	6.52	45.13	
7-7-15	11 "	" "	6.62	45.03	H.
7-10-15	11 –	51.65	6.74	44.91	H
7-12-15	11 –		6.82	44.83	H.
7-15-15	11 –		6.83	44.82	H.
7-20-15	11 –		6.55	45.10	H.
7-23-15	11 30	"	6.75	44.90	H.
7-30-15	10 45		6.61	45.04	H.
8-6-15	11 –	"	6.60	45.05	H.
8-13-15	11 –	"	6.66	44.99	H
8-20-15	11 –	"	6.64	45.01	H.
8-27-15	11 –	"	6.69	44.96	H.
9-3-15	11 –	"	6.75	44.90	H
9-9-15	11 –	"	6.78	44.87	H.

Chinos Truck Garden
W-Line of Gottisburn.

Test well #10

D	T	E.R.P.	R	E.W.	
6-24-15	10 a.m.	39.38	4.68	34.70	
6-25-15	8 30	" "	2.73	36.65	
6-29-15	11 a.m.	" "	2.82	36.56	
7-1-15	2 p.m.	" "	2.92	36.46	
7-7-15	2 —	" "	3.08	36.30	
7-12-15	2 —	" "	3.15	36.23	N.
7-15-15	2 —	" "	3.29	36.09	N.
7-19-15	11 30	" "	3.39	35.99	N.
7-24-15	9 30	" "	3.61	35.77	N.
7-30-15	2 30	" "	3.81	35.57	N.
8-6-15	3 30	" "	3.95	35.43	N.
8-10-15	3 15	" "	4.01	35.37	N.
8-13-15	2 —	" "	4.10	35.28	N.
8-20-15	2 30		4.31	35.07	N.
8-23-15	10 30		4.60	34.78	N.
8-27-15	2 30		4.63	34.75	N.
9-3-15	2 —	"	4.65	34.73	N.
9-9-15	2 —	"	4.68	34.70	N.

In Road on N. side of valley
P.L. 1109

Test Well #11

D	T	E.R.P.	R	E.W.	
6-22-15	3 PM	62.34	9.22	53.12	Hunter
6-25-15	11 AM	" "	9.28	53.06	"
6-28-15	10 AM	" "	9.34	53.00	"
7-1-15	10 "	" "	9.26	53.08	Hunter
6-17-15		" "	9.20	53.14	"
6-21-15		" "	9.19	53.15	"
7-7-15	9.45	" "	9.45	52.89	Hunter
7-12-15	9.45	" "	9.54	52.80	"
7-15-15	10 -	" "	9.77	52.57	N.
7-20-15	10 -	" "	10.35	51.99	N.
7-23-15	11 -	" "	10.75	51.59	N.
7-30-15	9 30	" "	11.34	51.00	N.
8-6-15	10 -		11.69	50.65	N.
8-13-15	10 -	" "	11.91	50.43	N.
8-20-15	10 -	" "	12.14	50.20	N.
8-27-15	10 -		12.33	50.01	N.
9-3-15	9 30	" "	12.42	49.92	N.
9-9-15	9 30	" "	12.55	49.79	N.

10" Cased well
Ex. M. Lot #45
D = 17.7

Testwell #12

D	T	F.R.P.	R	S.W.	
6-21-15	2 30	52.98	7.00	45.98	
6-25-15	1 PM	" "	7.00	45.98	
6-29-15	4 -	" "	7.29	45.69	
7-1-15	9 30	" "	7.44	45.54	
6-15-15	3 PM.	" "	7.05	45.93	CHS
6-18-15		" "	7.09	45.89	NMS
7-7-15	10 30	"	8.00	44.98	Hirth
7-10-15	10 30	"	8.24	44.74	"
7-12-15	10 45	"	8.37	44.61	"
7-15-15	10 15	"	8.38	44.60	"
7-20-15	10 45	"	8.10	44.88	"
7-23-15	11 15	"	7.97	45.01	N.
7-30-15	10 30	"	7.63	45.35	N.
8-6-15	11 -	"	7.43	45.55	N.
8-13-15	10 30	"	7.39	45.76	N
8-20-15	10 30	"	7.08	45.90	N
8-27-15	11 -		6.98	46.00	N.
9-3-15	10 30	"	6.88	46.10	N.
9-9-15	10 30	"	6.94	46.04	N.

Gettysburg
6" Casing

D = 16'

Testwell #13

D	T	E RP	R	E W	
6-25-15	2 30	43.44	5.66	37.78	H
6-29-15	1 30	" "	5.18	38.26	H
7-1-15	3 30	" "	6.31	37.13	H
7-7-15	2 45	" "	6.92	36.52	H
7-12-15	1 —	" "	7.53	35.91	H
7-15-15	1 —	" "	6.52	36.92	H
			used	35.90	
7-19-15			6.45	36.99	
7-22-15			7.58	35.86	
7-24-15	10 —		6.40	37.04	
7-30-15	1 —	" "	6.34	37.10	H
8-4-15	11 —	" "	6.37	37.07	H
		43.40			
8-30-15	3 30		7.45	35.95	N.G.H.
8-31-15	10 —		5.60	37.80	H

OM PL 1109 - 25' N. of Slingesby's Well

Well Running

→ Filled up By Slingsby in P.M.

New Test Well - 3' S. of Odd Hole 8-30-15

Filled up By Slingsby in P.M. 9-1-15

Test Well #1

		49.6			
7-10-15	11-15		6.48	43.08	N
7-12-15	11-15		6.65	42.91	N
7-13-15	11-		6.60	42.96	N
7-15-15	11-	"	6.75	42.81	N
7-20-15	11 15	"	6.90	42.66	N
7-23-15	11 40	"	6.92	42.64	N.
7-30-15	11-	"	7.00	42.56	N.
8-6-15	11-	"	6.99	42.57	N.
8-12-15	7 00	"	7.18	42.48	N.
8-13-15	11-	"	7.14	42.42	N.
8-20-15	11-		7.17	42.39	N.
8-27-15	11-		7.26	42.30	N.
9-3-15	11-	"	7.27	42.29	N.
9-9-15	11-	"	7.32	42.24	N.

Well drilled by City. 12" casing
500' N. of Pipe Line & between Well
#5 + #6

Water Hole #100

D.	T.	E.R.P.	R	E.W.	
6-25-15	8 45	40.88	4.61	36.27	Huston
6-29-15	11 30	" "	4.88	36.00	"
7-1-15	4 PM	" "	4.86	36.02	"
6-17-15	1 P.M.	" "	4.39	36.49	KBS
6-19-15	1:30 "	" "	4.43	36.45	"
6-21-15	12. M.	" "	4.45	36.43	"
7-7-15	3	" "	5.03	35.85	H
7-15-15				(35.60)	
7-19-15	11 —	" "	5.09	35.79	
7-22-15	11 30	" "	5.46	35.42	
7-24-15	9 —	" "	5.49	35.39	
7-30-15	3 15	" "	5.66	35.22	H.
8-6-15	3 —	" "	5.76	35.12	H.
8-10-15	2 —	" "	5.88	35.00	H.
8-13-15	2 30	" "	5.97	34.91	H.
8-20-15	3 —	" "	6.01	34.87	H.
8-23-15	9 —	" "	6.10	34.78	H.
8-27-15	3 —	" "	6.16	34.72	H.
8-31-15	3 —	" "	6.20	34.68	H.
9-3-15	2 30	" "	6.21	34.67	H.
9-9-15	2 30	" "	6.28	34.60	H

On P.L. 1110 in Lane leading To P.L. 1109

Water Hole #101

D	T	E.R.P.	R	E.W	
6-22-15	2 PM	4.98	3.01	38.67	H.
6-25-15	10 AM	" "	2.99	38.99	H
6-29-15	2 30	" "	3.47	38.51	H
7-1-15	1 –	" "	3.50	38.48	H
7-7-15		" "	(3.90)	(38.08)	H.
7-12-15	12 –	" "	4.19	37.79	H
7-15-15	12 –	" "	4.31	37.67	N.
7-19-15	3 –	" "	4.43	37.55	N.
7-20-15	1 –	" "	4.44	37.54	H.
7-22-15	12 30	" "	4.53	37.45	N
7-23-15	1 45	" "	4.57	37.41	N
7-30-15	11 45	" "	4.55	37.43	H.
8-6-15	12 –	" "	4.36	37.62	H.
8-12-15	9 –	" "	4.44	37.54	H.
8-13-15	11 30	" "	4.46	37.52	H.
8-20-15	11 30	" "	4.47	37.51	H.
8-24-15	10 –	" "	4.41	37.57	H
8-27-15	11 30	" "	4.39	37.69	H.
9-3-15	11 30	" "	4.31	37.67	N.
9-9-15	11 30	" "	4.22	37.76	H.

Water Hole near Ricards House

Water Hole #102

D.	T	E.R.P.	R	E.W	
6-22-15	2 PM	42.83	1.48	41.35	H.
6-25-15	10 AM	" "	1.57	41.26	H
6-29-15	2 30	" "	1.78	41.05	H
7-1-15	1 -		1.92	40.91	H
7-7-15	11:30	" "	2.53	40.30	H
7-12-15	11-45	" "	3.06	39.77	H
7-15-15	12 -	" "	3.21	39.62	H.
7-19-15	1 30	" "	3.27	39.56	H
7-23-15	2 -	" "	3.34	39.49	H.
7-30-15	11 45	" "	3.23	39.60	H.
8-6-15	12 -	" "	3.19	39.64	H.
8-12-15	9 -		3.17	39.66	H.
8-13-15	11 30	" "	3.16	39.67	H.
8-20-15	11 30	" "	3.17	39.66	H.
8-24-15	10 30	" "	3.16	39.67	H.
8-27-15	11 30	" "	3.15	39.68	H
9-3-15	11 -	" "	3.15	39.68	H.
9-9-15	11 -	" "	3.16	39.67	H.

In Field N + W of Fearries House

Water Hole #103

D.	T.	F.R.P.	R	F-W	
6-21-15	2 PM	46.19	3.06	43.13	
6-25-15	10 30	" "	3.16	43.03	
6-29-15	3 PM	" "	3.35	42.84	
7-1-15	1 30	" "	3.38	42.81	
6-17-15	2 30	" "	2.95	43.24	1 TRI
7-7-15	11	" "	3.76	42.43	Hunt
7-9-15	1 30	" "	3.91	42.28	"
7-12-15	11 30	" "	4.30	41.94	"
7-15-15	—	—	—	(41.75)	
7-19-15	3 —		5.29	40.80	
7-23-15	2 —	—	5.39	40.80	N.
7-30-15	11 45	"	5.40	40.79	N.
8-6-15	1 45	"	5.43	40.76	N.
8-12-15	10 30	"	5.43	40.76	N.
8-13-15	11 15	"	5.43	40.76	N.
8-20-15	11.30	"	5.45	40.74	N.
8-24-15	10.30	"	5.66	40.53	N.
8-27-15	11 30	"	5.70	40.49	N.
9-2-15	11 —	"	5.69	40.50	N.
9-9-15	11 —	"	5.80	40.39	N.

On Ex M. Lot 32 Fearries E. line

Water Hole #104

D	T	E-R.P	R	E-W	
6-25-15	10 30	47.16	2.18	44.98	
6-29-15	3 –	" "	2.31	44.85	
7-1-15	1 30	" "	2.40	44.76	
6-19-15	9 20 AM	" "	2.02	45.14	RBS
6-21-15	10 45 "	" "	2.10	45.06	RBS
7-7-15	11 "	" "	2.81	44.35	Hack
7-9-15	2 –	" "	2.97	44.19	"
7-12-15	11 30	" "	3.16	44.00	"
7-13-15	11 –	" "	3.24	43.92	"
7-15-15	11 30	" "	3.35	43.81	"
7-19-15	2 30	" "	3.60	43.56	"
7-23-15	2 –	" "	3.94	43.22	N.
7-29-15	2 –	" "	4.19	42.97	N.
7-30-15	11 30	" "	4.35	42.91	N.
8-6-15	11 45	" "	4.55	42.61	N.
8-12-15	2 –	" "	4.83	42.35	N.
8-13-15	11 –	" "	4.84	42.32	N.
8-20-15	11 –	" "	5.59	41.57	N.
8-27-15	11 30	" "	5.65	41.51	N.
8-31-15	9 30	" "	5.69	41.47	N.
9-3-15	11 –	" "	5.68	41.48	N.
9-9-15	11 –	" "	5.71	41.45	N.

On Farm Lot 35 S-W of #6 well in brush

Water Hole #105

D	T	E.R.P.	R	E.W.	
6-21-15	3 P.M.	69.82	6.23	63.59	
6-23-15	" "	" "	6.26	63.56	
6-25-15	12 30	" "	6.22	63.60	
6-28-15	9 30	" "	6.25	63.57	
7-1-15	9 00	" "	6.28	63.54	
6-18-15	" "	" "	6.23	63.59	
7-7-15	9	" "	6.30	63.52	
7-10-15	8 30	" "	6.31	63.61	H
7-12-15	9-	" "	6.29	63.60	"
7-15-15	9-	" "	6.16	63.44	"
7-20-15	9-	" "	6.17	63.45	H.
7-23-15	9 30		6.28	63.54	H.
7-27-15	1 —		6.32	63.50	H
7-30-15	9 —	" "	6.29	63.53	H
8-6-15	8 30	" "	6.37	63.45	H.
8-11-15	"	" "	6.36	63.46	"
8-13-15	8 45	" "	6.30	63.52	H.
8-20-15	9 30	" "	6.25	63.57	H.
8-27-15	9-	" "	6.31	63.51	H.
9-3-15	9-	" "	6.24	63.58	H.
9-9-15	9-	" "	6.31	63.51	H.

On bridge in Murphey's Canyon E of Allens House U-S-G-S #49

Irrigating

Water Hole #106

D	T	E.R.P	R	E.W	
6-21-15	2 30	52.52	6.69	45.83	
6-25-15	1 PM	" "	6.65	45.87	
6-29-15	4 —	" "	6.88	45.64	
7-1-15	9 30	" "	6.95	45.57	
6-18-15		" "	6.74	45.78	MBJ
6-15-15		" "	6.65	45.87	CHder.
7-7-15	10:30	" "	7.34	45.18	H.
7-12-15	10 45	" "	7.90	44.62	H.
7-15-15	10 15	" "	7.93	44.59	H.
7-20-15	10 45	" "	7.70	44.82	H.
7-23-15	11 15		7.67	44.85	H.
7-30-15	10 30	" "	7.38	45.14	H.
8-6-15	11 —	" "	7.09	45.43	H.
8-13-15	10 30	" "	6.84	45.68	H.
8-20-15	10 30	" "	6.44	45.88	H.
8-27-15	11 —	" "	6.55	45.97	H
9-3-15	10 30	" "	6.45	46.07	H.
9-9-15	10 30	" "	6.49	46.03	H.

Sump at Gettysburgs old pump.

Water Hole #107

D.	T.	E.R.P	R	E.W	
6-21-15	3 pm	44.97	1.63	43.34	
6-25-15	1 pm	" "	1.57	43.44	
6-29-15	4 "	" "	1.60	43.37	
7-1-15	10 –	" "	1.47	43.30	
6-18-15		" "	1.78	43.19	
7-7-15	10 30	" "	1.96	43.01	
7-10-15	10 30	" "	2.29	42.68	N.
7-12-15	11 –	" "	2.30	42.67	N.
7-15-15	11 –	" "	2.05	42.92	N.
7-20-15	11 –	" "	1.53	43.44	N
7-23-15	11 30	" "	1.28	43.69	N.
7-30-15	10 30	" "	0.71	44.26	N.
8-6-15	11 –	"	0.30	44.67	N
8-13-15	11 –	"	0.06	44.91	N.
8-20-15	11 –	"	+0.10	45.07	N.
8-27-15	11 –	"	+0.25	45.22	N.
9-3-15	10 30	"	+0.36	45.33	N.
9-9-15	10 00	"	+0.36	45.33	N.

4'x4' Box in old River channel on Fx m 1 #36 Gattisburns

Water Hole #108

D	T	E-R.P.	R	E-W	
6-21-15	3 P.M	44.99	1.65	43.34	
6-25-15	1 P.M	" "	1.61	43.38	
6-29-15	4 "	" "	1.53	43.46	
7-1-15	10 a.m		1.62	43.37	
6-18-15	"	" "	2.06	42.93	
7-7-15	"	" "	2.70	42.29	
7-13-15	10 30	" "	2.95	42.04	H
7-15-15	11-	" "	2.83	42.16	H
7-20-15	11-	" "	2.05	42.94	H
7-23-15	11 30	" "	1.87	43.12	H
7-30-15	10 45	" "	1.51	43.48	H
8-6-15	11-	" "	1.25	43.74	H
8-12-15	2 30		1.19	43.80	H
8-13-15	11-	"	1.17	43.82	H
8-20-15	11-	"	1.07	43.92	H
8-27-15	11-	"	0.98	44.01	H
9-3-15	11-		0.93	44.06	H
9-9-15	11-	"	0.92	44.07	H

On City Property Lot 35 Exm.
S. of Chino.S

Water Hole #109

D	T	E-R.P.	R	E-W	
6-21-15	3 30	52.99	5.36	47.63	
6-25-15	1 30	" "	5.56	47.43	
7-1-15	10 30		5.92	47.07	
6-18-15			5.19	47.80	KBS
7-7-15	1.30		6.29	46.70	
7-12-15	1.30	" "	6.62	46.37	
7-15-15	1 30	" "	6.80	46.19	
7-20-15	1 45	" "	7.14	45.85	
7-24-15	11 –	" "	7.42	45.57	H.
7-30-15	2.15	" "	7.80	45.10	H.
8-6-15	2 –	" "	8.25	44.74	H.
8-10-15	2 30	" "	8.39	44.60	H.
8-13-15	1 30	" "	8.51	44.48	H.
8-18-15	10 –	" "	8.98	44.01	H.
8-20-15	1 30	" "	9.13	43.86	H.
8-27-15	1 30	" "	9.66	43.33	H.
9-3-15	1 30	" "	9.87	43.12	H.
9-9-15	1 30	" "	10.00	42.99	H.

Old dry well at Rock Place near House

Water Hole # 110

D	T	F-R.P	R	F-W	
6-21-15	4 pm	44.00	2.02	41.98	
6-25-15	7 30 a.m	" "	2.48	41.52	
7-1-15	10 30	" "	3.74	40.26	
6-18-15		" "	1.97	42.03	[illegible]
6-19-15		" "	2.00	42.00	"
7-7-15	3	" "	(4.09)	(39.91)	
7-17-15	9 45	" "	5.64	38.36	N.
7-22-15	1 –	" "	5.82	38.18	N.
7-24-15	11 30	" "	5.95	38.05	N.
7-30-15	2 –		5.97	38.03	N.
8-6-15	1 30	" "	6.20	37.80	N.
8-10-15	3 –	" "	6.26	37.74	N.
8-13-15	1 30	"	6.31	37.69	N.
8-18-15	9 30	"	6.40	37.60	N.
8-20-15	1 30		6.42	37.58	N.
8-25-15			6.51	37.49	N.
8-27-15	1 30		6.57	37.43	N.
9-3-15	1 –	"	6.64	37.36	N.
9-9-15	1 –	"	6.67	37.33	N.

On Ohres place at Boundry

S-W of Windmill

Water Hole #111

D	T	F.R.P.	R	F-W	
6-21-15	4 P.M.	42.26	1.25	41.01	
6-22-15	4 "	" "	1.26	41.00	
6-25-15	7 30 a.m.	" "	1.28	40.98	
6-29-15	2 P.M.	" "	1.32	40.94	
7-1-15	11 -	" "	1.33	40.93	
6-17-15		" "	1.20	41.06	1128

Old Barnell on Rd 1109
S. of Foot Bridge

Taken out by Haines

River Reading #1

D.	T.	E.R.P.	R	E.W.	
6-25-15	8 45	37.02	0.67	36.35	
6-29-15	11 30	" "	0.85	36.17	Water
7-1-15	4 PM	" "	0.90	36.12	
7-7-15	3	" "	1.01	36.01	
7-12-15	3 30	" "	1.33	35.69	H
7-15-15	2 45	" "	1.35	35.67	H } R.P. N.G.
7-19-15	11 –	" "	~~1.15~~ use 1.39	~~35.75~~	
7-22-15	11 –	37.97	2.48	35.49	H.
7-24-15	9 –	"	2.53	35.44	H.
7-30-15	3 10	"	2.65	35.32	H.
8-6-15	3 –	"	2.75	35.22	H.
8-10-15	2 –	"	2.86	35.11	H
8-13-15	2 30	"	2.94	35.03	H.
8-20-15	3 –	"	3.05	34.92	H
8-23-15	9 –	"	3.11	34.86	H.
8-27-15	3 –	"	3.17	34.80	H.
8-31-15	3 –	"	3.19	34.78	H.
9-3-15	2 30	"	3.20	34.77	H.
9-9-15	2 30	"	3.29	34.68	H.

Nail in Fence Post on
W. Line of P.L. 1109
in River

New R.P. Nail in 2X4" South side of
River W. Line P.L. 1109

River Reading #2

D	T	E.R.P.	R	E.W.	
6-21-15	4 P.M.	46.73	6.22	40.51	
6-22-15	4 "	"	6.96	39.77	
6-25-15	7 30 am	" "	8.49	38.24	
6-29-15	2 pm	" "	9.84	36.89	
7-1-15	11 am	" "	10.14	36.59	
6-17-15	1.45	" "	6.02	40.71	Usual
6-19-15	10:20	" "	5.95	40.78	"
7-7-15	2.45	" "	10.05	36.68	Unusual
7-13-15	1.45	" "	9.88	36.85	"
7-15-15	2 20	" "	9.77	36.96	"
7-17-15	9 15	" "	9.66	37.07	"
7-20-15	9 40	" "	9.58	37.15	"
7-22-15	1 —	" "	9.57	37.16	N.
7-24-15	10 —	" "	9.53	37.20	N.
7-30-15	1 30	" "	9.84	36.89	N.
8-6-15	1 —	" "	9.86	36.87	N
8-13-15	1 —	" "	9.84	36.89	N.
8-20-15	1 —	" "	9.91	36.82	N.
8-25-15	2 —	" "	9.65	37.08	N.
8-27-15	1 —	" "	9.69	37.04	N.
8-31-15	10 —		9.69	37.04	N.
9-3-15	1 —	" "	9.82	36.91	N.
9-9-15	1 —		9.81	36.92	N.

On Foot Bridge Lot 1109

Water ceased flowing

Carnes pump shut down a week for repairs.

River Reading #3

D	T	E.R.P.	R	E.W.	
6-22-15	3 30	5403	7.21	46.82	
6-25-15	10 30	" "	7.41	46.62	
6-28-15	11 30	" "	9.22	44.81	
6-29-15	3 30	" "	9.47	44.56	
7-1-15	1 30	" "	10.05	43.98	
6-17-15	2 50	" "	7.17	46.86	1 Mos
6-19-15	9 Am	" "	7.12	46.91	"
6-21-15	10 40	" "	7.15	46.88	"
7-7-15		" "	(10 50)	(43.53)	
—	—	—	—	—	—
	New	R.P.			
7-9-15	2	4261	7.28	42.33	N
7-10-15	11-15	"	7.19	42.42	N
7-12-15	11-15	"	7.14	42.47	N
7-13-15	11-	"	7.15	42.46	N
7-15-15	11 30		7.16	42.45	N
7-19-15	2 40		7.20	42.41	N
7-20-15	11 30	"	7.23	42.38	N
7-23-15	11 50	"	7.37	42.24	N
7-30-15	11 15	"	7.45	42.16	N
8-6-15	11 30	"	7.51	42.10	N
8-13-15	11-	"	7.59	42.02	N
8-20-15	11-	"	7.70	41.91	N
8-27-15	10 30	"	7.71	41.90	N
8-31-15	2-	"	7.72	41.89	N
9-3-15	10-		7.73	41.88	
9-9-15	11-	"	7.78	41.83	N

On sump in River at River Pumping Station

Old R.P. on top of S. side of sump

New R.P. on 6"x6" Beam - Center - west side frame

River Reading #4

D	T	E.R.P.	R	E-W	
6-22-15	3 pm	57.86	6.51	51.35	
6-25-15	11 am	" "	6.55	51.31	
6-28-15	9 am	" "	6.58	51.28	
7-1-15	10 15	" "	6.78	51.08	
6-17-15	3 40	" "	6.58	51.28	
6-21-15	10.20	" "	6.44	51.42	
7-7-15		" "	7.46	50.40	H
7-12-15	10 -	" "	8.00	49.86	"
7-15-15	10 -	" "	8.30	49.56	H.
7-20-15	10 30	" "	8.78	49.08	H.
7-23-15	11 -	" "	9.05	48.81	H.
7-30-15	9 45	" "	9.50	48.36	H.
8-6-15	10-15	" "	9.86	48.00	H
8-11-15	12 -		10.10	47.76	H.
8-13-15	10 -		10.19	47.67	H.
8-20-15	10 -	"	10.43	47.43	H.
8-27-15	10 -		10.59	47.27	H.
9-3-15	10 -	"	10.75	47.11	H.
9-9-15	10 -	"	10.83	47.03	H.

Copper Tack in Tree - West of
Δ on S Line of Ex M L 35'

River Reading #5

D	T	E.R.P.	R	E-W	
6-22-15	10 30 am	71.45	14.85	56.60	
6-25-15	11 10	" "	14.94	56.51	
6-26-15	9 15	" "	14.93	56.52	
6-28-15	10 am	" "	14.96	56.49	
7-1-15	9 am	" "	15.03	56.42	
6-17-15	4 10	" "	1480	56.65	NBS.
7-7-15		" "	15.02	56.43	House
7-10-15	9 am	" "	15.00	56.45	"
7-12-15	8 30	" "	15.02	56.43	"
7-15-15	8 45	" "	15.01	56.44	"
7-20-15	8 25	" "	15.03	56.42	"
7-23-15	9 15	" "	15.02	56.43	"
7-27-15	11-	" "	15.12	56.34	"
7-30-15	8 20	" "	15.15	56.30	H.
8-6-15	8-10	" "	15.39	56.06	H.
8-11-15	8-20	" "	15.47	55.98	H.
8-13-15	8-30	" "	15.50	55.95	H.
8-20-15	9-	" "	15.81	55.64	H.
8-27-15	8 30	" "	15.91	55.54	H.
9-3-15	8 15	" "	16.03	55.42	H.
9-9-15	9-	" "	16.15	55.30	

1473
39
12

55

On Old Mission Bridge

on outside - East top of first cylinder pier on East side of Bridge in River.

15.59 To 3rd Row Rivits
10.42 " 2nd " "
10.28 " Top section

River to 100 E. of Bridge

— " " 300 " " "

City Well #1

7-10-15	10 30	20 lb	= 49.30		H
7-12-15	10-30	20 "	49.30		H.
7-30-15	10 15	20 "	49.30		H.
8-6-15	11 -	20 "	49.30		H.
8-13-15	10 30	20 "	49.30		H.
8-20-15	10 45	20 "	49.30		H.
8-27-15	9 45	20 "	49.30		H.
9-3-15	9 30	"	49.30		H
9-9-15	10 30	"	49.30		H.

City well #2

air out of order

City Well # 3

7-12-15	10 30	20½#	41.9		H
7-30-15	10 —	21#	43.0		H.
8-6-15	10 45	21#	43.0		H.
8-13-15	10 30	21½#	44.1		H.
		"			
8-20-15	10-30	"	44.1		H.
8-27-15	10 30	"	44.1		H.
9-3-15	10 30	"	44.1		H.
9-9-15	10 30	"	44.1		H.

City well #4

7-12-15	10-15	21#	39.8		
7-30-15	10 -	22#	42.1		H.
8-6-15	10 30	22¼#	42.6		H.
8-13-15	10 30	22¼#	42.6		H.
8-20-15	10.30	"	42.6		H.
8-27-15	10.30	"	42.6		H.
9-3-15	10 -	"	42.6		H.
9-9-15	10 30	"	42.6		H.

City well #4

7-18-15	10-15	22½"	43.7		N
7-30-15	11 –	22½"	43.7		H.
8-6-15	10 30	22½"	43.7		N
8-13-15	10 30	22½"	43.7		H
8-20-15	10 30	"	43.7		H.
8-27-15	"	"	43.7		H.
9-3-15	10 –	"	43.2		H.
9-9-15	10 30	"	43.2		H.

City Well # 4

7-12-15	11-15	22½#	41.3		
7-20-15	11 20	50.18	8.08	42.10	H.
7-30-15	11 20		8.31	41.87	H.
8-6-15	11 30	22#		40.70	H.
8-13-15	11 -	22#		40.70	H
8-20-15	11 -	22#		40.70	H
8-27-15	10.30	8.55		41.63	H
9-9-15	11 -	8.60		41.58	H.

City well #7

City Well #8

7-12-15	1-20	19#	34.4	H.
7-30-15	1 14	20#	38.8	H.
8-6-15	1 30	19¾	38.2	H
8-13-15	1—	19½#	37.4	H
8-20-15	1—	"	37.4	H.
8-27-15	1—	"	37.6	H.
9-3-15	1—	"	37.4	H.

City #9 well

7-9-15	2 00	19½ ft	34.4		H.
7-13-15	1 —	20 "	35.6		H.
7-30-15	1 30	21 ft	37.9		H.
8-6-15	1 30	21 ft	37.9		H.
8-13-15	1 —	21 ft	37.9		H.
8-20-15	1 —	"	37.9		H.
8-27-15	1 —	"	37.9		H

City Well #10

7-12-15	2 30	17#	26.1	N-G	
7-30-15	1 30	16.5#	24.5	"	
8-6-15	1	16.5#	24.5	"	
9-3-15	1	16.5#	24.5	"	X
9-9-15	1	16.5#	24.5	NG	X

City Well #11

7-12-15 air out order

City Well #12

7-12-48 out order air

Well #36

41.90

8-31-15	7am		4.55	37.35	Pumpman
9-3-15	"		" "	37.35	
9-7-15	"		4.44	37.46	
9-9-15	"		4.55	37.35	

#2 well on Carnes property
115' S.W. of #10 Well - City's
B.M. on top casing
35' S.E. of S.E. end of Foote Bridge

Test Well #17

		43.42			
8-31-15	9 30		5.48	37.94	H.
9-3-15	11 30	" "	5.50	37.92	H.
9-9-15	1 –	" "	5.55	37.87	H.

36" Cement Pipe on Ex. M. Lot 32 at Cor of P.L. 1113 + 1109 Put down by Sumption - for water to build City Sumps.

Test Well #16

62.92

~~7-28-15~~	~~12.30~~		~~3.64~~	~~59.28~~	~~H~~
8-6-15	9.30		13.40	49.52	H.
8-17-15	10.30	"	14.15	48.77	H.
8-20-15	9.30	"	13.75	49.17	H.
8-27-15	9.30	"	13.87	49.05	H.
9-3-15	9.30		a 13.90	49.02	H.
9-9-15	9.30		a 13.90	49.02	H.

B.M. TOP POST 66.82

4" Auger Hole 100' S. of N. Road

N.G. Between Gettisburn & Allen 243x36

Irrigating

"

Testwell # N-

7-27-N-	11 30	65.64	9.68	55.96	H.
7-30-N-	8 30		9.96	55.68	N
8-6-N-	8 30		9.96	55.68	H
8-11-N-	8 30		10.12	55.52	H.
8-13-N-	8.45		10.20	55.44	H.
8-20-N-	9-	"	10.40	55.24	H.
8-27-N-	8.45	"	10.40	55.24	H.
9-3-N-	8 30	"	10.50	55.14	N
9-8-N-	10-	"	10.60	55.04	N.
9-9-N-	9-	"	10.58	55.06	N.

Huston
Shown
Bunker

4" Auger Hole
East Line Gillen Property
266' South of North Road
24' E. of Fence

Test well #14

		4446			
7-12-15	11-	"	1.66	42.80	H.
7-13-15	11-	"	1.66	42.80	H
7-15-15	11-	"	1.68	42.83	H.
7-20-15	11 15	"	1.61	42.85	H.
7-23-15	11 40	"	1.64	42.82	H.
7-30-15	11-	"	1.63	42.83	H.
8-6-15	11-	"	1.65	42.81	H
8-11-15	2 30	"	1.69	42.77	H
8-13-15	11-	"	1.69	42.77	H
8-20-15	11-	"	1.71	42.75	H.
8-27-15	11-	"	1.78	42.68	H.
9-3-15	11-	"	1.76	42.70	H.
9-9-15	11-	"	1.79	42.67	H.

8" Cased Well on Exp. L #30
Put down by the Chinks

Test well # 2

		4383			
7-10-15	2 pth.	"	7.04	36.79	Clark
7-12-15	2 00	"	7.08	36.75	H.
7-15-15	2 15	"	7.02	36.81	H.
7-19-15	12 15	"	7.06	36.77	H.
7-24-15	9 45	"	7.12	36.71	H.
7-30-15	1 —	"	7.17	36.66	H.
8-6-15	1 —	"	7.20	36.68	H.
8-13-15	1 —	"	7.31	36.57	H.
8-20-15	1 —	"	7.42	36.41	H.
8-27-15	1 —	"	7.50	36.33	H.
9-3-15	1 —	"	7.58	36.25	H.
9-9-15	1 —	"	7.65	36.18	H.

12" cased well drilled by City on Pk. #1109

B-152 P276

RETURN TO CITY ENGINEER'S OFFICE
CITY HALL, SAN DIEGO, CAL.

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

ROADWAY 14 FEET WIDE. SIDE SLOPES 1½ TO 1.

FOR SINGLE TRACK EMBANKMENT.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	7.0	7.2	7.3	7.5	7.6	7.8	7.9	8.1	8.2	8.4	0
1	8.5	8.7	8.8	9.0	9.1	9.3	9.4	9.6	9.7	9.9	1
2	10.0	10.2	10.3	10.5	10.6	10.8	10.9	11.1	11.2	11.4	2
3	11.5	11.7	11.8	12.0	12.1	12.3	12.4	12.6	12.7	12.9	3
4	13.0	13.2	13.3	13.5	13.6	13.8	13.9	14.1	14.2	14.4	4
5	14.5	14.7	14.8	15.0	15.1	15.3	15.4	15.6	15.7	15.9	5
6	16.0	16.2	16.3	16.5	16.6	16.8	16.9	17.1	17.2	17.4	6
7	17.5	17.7	17.8	18.0	18.1	18.3	18.4	18.6	18.7	18.9	7
8	19.0	19.2	19.3	19.5	19.6	19.8	19.9	20.1	20.2	20.4	8
9	20.5	20.7	20.8	21.0	21.1	21.3	21.4	21.6	21.7	21.9	9
10	22.0	22.2	22.3	22.5	22.6	22.8	22.9	23.1	23.2	23.4	10
11	23.5	23.7	23.8	24.0	24.1	24.3	24.4	24.6	24.7	24.9	11
12	25.0	25.2	25.3	25.5	25.6	25.8	25.9	26.1	26.2	26.4	12
13	26.5	26.7	26.8	27.0	27.1	27.3	27.4	27.6	27.7	27.9	13
14	28.0	28.2	28.3	28.5	28.6	28.8	28.9	29.1	29.2	29.4	14
15	29.5	29.7	29.8	30.0	30.1	30.3	30.4	30.6	30.7	30.9	15
16	31.0	31.2	31.3	31.5	31.6	31.8	31.9	32.1	32.2	32.4	16
17	32.5	32.7	32.8	33.0	33.1	33.3	33.4	33.6	33.7	33.9	17
18	34.0	34.2	34.3	34.5	34.6	34.8	34.9	35.1	35.2	35.4	18
19	35.5	35.7	35.8	36.0	36.1	36.3	36.4	36.6	36.7	36.9	19
20	37.0	37.2	37.3	37.5	37.6	37.8	37.9	38.1	38.2	38.4	20
21	38.5	38.7	38.8	39.0	39.1	39.3	39.4	39.6	39.7	39.9	21
22	40.0	40.2	40.3	40.5	40.6	40.8	40.9	41.1	41.2	41.4	22
23	41.5	41.7	41.8	42.0	42.1	42.3	42.4	42.6	42.7	42.9	23
24	43.0	43.2	43.3	43.5	43.6	43.8	43.9	44.1	44.2	44.4	24
25	44.5	44.7	44.8	45.0	45.1	45.3	45.4	45.6	45.7	45.9	25
26	46.0	46.2	46.3	46.5	46.6	46.8	46.9	47.1	47.2	47.4	26
27	47.5	47.7	47.8	48.0	48.1	48.3	48.4	48.6	48.7	48.9	27
28	49.0	49.2	49.3	49.5	49.6	49.8	49.9	50.1	50.2	50.4	28
29	50.5	50.7	50.8	51.0	51.1	51.3	51.4	51.6	51.7	51.9	29
30	52.0	52.2	52.3	52.5	52.6	52.8	52.9	53.1	53.2	53.4	30
31	53.5	53.7	53.8	54.0	54.1	54.3	54.4	54.6	54.7	54.9	31
32	55.0	55.2	55.3	55.5	55.6	55.8	55.9	56.1	56.2	56.4	32
33	56.5	56.7	56.8	57.0	57.1	57.3	57.4	57.6	57.7	57.9	33
34	58.0	58.2	58.3	58.5	58.6	58.8	58.9	59.1	59.2	59.4	34
35	59.5	59.7	59.8	60.0	60.1	60.3	60.4	60.6	60.7	60.9	35
36	61.0	61.2	61.3	61.5	61.6	61.8	61.9	62.1	62.2	62.4	36

Calculated by Julien A. Hall, M. Am. Soc. C. E.

MADE IN GERMANY.