

Warner Water Co. Rantall Report

Oct 31-1911

H. L. Davis

Sta	1 Don Warner's	2 Dannons	3 Monkey Hill	4 Summer Road Warners	5 Ronto Coy Warners	6 Deadman's Hole	7 Ramo Valley	8 Retanzi Santa Grabel
Total Oct	.37	.20	.14	.14	.15	.20	.32	.45
Total - season beginning Sept 1-11	.76	.36	.44	.49	.38	.85	.78	1.05

Sta.	9 Santa Grabel Store	10 Witch Creek	11 Verlague Ramona	12 Santhel Ramona	13 Rose Glen	14 Mesa Grande Davis	15 Mesa Grande Angel	16 Nellie Palomar
Total Oct.	—	.65	.28	—	—	.47	—	—
Total Season	—	1.29	.73	—	—	1.20	—	—

Sta	17 Mendenhall Valley Palomar	18 Oak Grove	19 Chihuahua	20 Hot Springs Eagles Nest	21 Hot Springs	22 Warners Ranch House	23 San Felipe	24 Matagual
Total Oct.	.54	—	—	—	—	.18	.10	.29
Total Season	.54+	—	—	—	—	.18+	.10+	.29+

to gether. We will have to paint all cracks with asphalt. The thing at best will only last one year more, so I am going ahead at the lower level unless I hear differently from you. I had to order another 45° elbows by express to connect up our discharge right. Pump & engine are set up. We will put up a shed, about 12'x16' to cover engine and have a little room for bench, tools etc. I think that by the end of this coming week we will be ready to start the test. I estimate that it will take five days continuous pumping to lower the lake one foot. The depth of the water increases gradually from shore so our suction will be in two feet of water, under which is 6" of soft mud. As the test continues we could dig a trench and let the suction lower. How much do you want to lower the lake?

If there is to be anything done with farming out there this winter, Johnson would like a chance at it. I believe he would like to settle there permanently.

This is all I think of at present.

Sincerely yours
Harry L. Davis

Nov. 22, 1911.

Harvey L. Davis,

Mesa Grande, Cal.

My dear Davis-;

In making the pumping test the purpose is to determine the rate at which ~~water~~ the lake will lower when pumped with a given draft. In an artesian test it is usual to surround the well with test pipes, say one hundred, two hundred, and some-times five hundred feet away. ~~These~~ Soundings are then made in these test pipes every hour and when a stationary equilibrium is considered to be established. That is the rate of inflow from the surrounding gravel balances the outflow. The lake does not effect this method except in lengthening the test.

I enclose a sketch of what shall be plotted. I think you should have a few pipes to the westward toward the third lake about a hundred feet apart and two pipes at the head of the lake. It may be easier to dig pits and drive down a measuring plug.

I have told you over the phone that I thought a three day test pumping night and day was sufficient. This is not absolute and is subject to your judgement. I do not expect to secure an absolutely conclusive result, but simply a rate gradually decreasing at which the lake lowers. Of course if you secure a stationary lake-level with steady pumping the test will be conclusive. If you think two

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or three days will secure this result, I would continue the test. Keep in mind that we want to cut off expense as soon as possible.

Just below San Taylor ranch house where the road crosses the Agua Tibia you will find traces of an old ditch and reservoir. As soon as you can you are to make a survey of this ditch and reservoir and a cross-section for a dam across the Agua Tibia near the road crossing. Better put some stakes along the ditch and at the reservoir and make an estimate of a wood gate in the reservoir and the cost of restoring the ditch. All this is with the idea of showing Mr. Henshaw at his next visit possibly this week. Mr. Fletcher is anxious to have it presented when ever he comes up. However I judge from what you say that the test at the lake will have to be made first. If so, go up on horse back and look the ground over so that you can show Mr. Henshaw what can be done.

After this survey I want you to take some additional topography at Warner's Hot Springs. I will send you before the week is over a blue-print of what I've done and I will show the additional area to be covered.

Last of all, finish the cross sections at the dam

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I will have Two extra men at Ramona, whom I can send to you when you want them. I will send Sterne so that you will have some-one to show you stakes at Hot Springs. Let me know the exact date you will need them. It is a question whether it will not be better for you to make use of Pulcifer as the other man. If you think it is worth while.

I have received your letter of Nov. 18th, enclosing bills for \$140.41.

Very sincerely yours,

SECURITY

Ed Fletcher Papers

1870-1955

MSS.81

Box: 6 Folder: 18

General Correspondence - Davis, Harvey L.



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