

Mr. Olson,

As you are aware, we have completed the cleaning/testing of the #2 Well and Pumping equipment. We are very pleased to report that based on the results we believe that we can raise the pump suction into the well casing so that any large debris should now just fall to the bottom of the well.

The motor has been tested in our motor shop and unfortunately the results are not good. To guarantee proper performance, the motor's lower end bracket will require boring and a new sleeve. It needs a new sight glass, sleeves on the leads, new bearings, and a complete overhaul of the windings. As expected (and as we budgeted for) the cost would be around \$3,700.

ALTERNATIVELY, because this is an oversized motor that has had issues in the past, and now that we know the performance of the well; I actually am going to recommend that you go with an all-new 50 hp premium efficient inverter duty motor. Although this would normally cost more than \$2,000 over the cost of the rebuild; by shortening the setting and with some safety factor we built into the initial quote, I think we are able to provide the new equipment without requesting additional monies from your council.

The new pumping equipment will actually have a very similar pump performance to your old equipment so you will not be sacrificing any flow... however it will now be **designed** to operate at 500 gpm, as opposed to the old pump that was designed for 350 gpm and you ran it at 500 gpm. The new pump and motor design will maximize the well capacity, and do so more efficiently.

Financial Summary: we quoted \$3,700 to pull, inspect, and video the well in Phase 1 (already invoiced). \$6,000 to clean, airlift, and test pump. \$4,000 for the motor work. And between \$20-\$21,000 for the new pump. Unfortunately, I think we need to use all of this estimated money to provide the **all** new equipment. If you'd like to have us rebuild the 75 hp motor (as we originally planned) I think we save about \$2,000 from this estimate.

Please let me know if you have any questions about the work completed to date, and please confirm if you would like us to proceed in this way.

THANK YOU.

See you Thursday.

Eric J. Williams

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