

*Minutes
JWC*

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Subject: August Meeting

Folks,

The August meeting of the Brazos MDWCA will be Sunday August 11 at 9 AM at the McWilliams cabin. The agenda for the meeting is attached. Kevin says that he can not attend due to family commitments.

The status of the No. 3 well redrill is as follows; Gakin has drilled to a depth of 720 feet. He did not feel as though he hit new water until about 700 feet and then estimates a new flow of 10 gpm. He was very surprised that he did not hit new water since he had hit a sand strata about 600 feet. Usually sand or fractured sandstone contains water sources. I talked with him last Saturday night and again Monday afternoon. I told him to quit at 720 feet. He has now pulled out his drill bit and has cut new

slots in the steel casing at about the 130 foot level. He will begin to install 4 inch PVC liner today. He is also using commercial slotted and screened pipe at the levels where there is a water source. I wanted him to use the commercial slotted screened pipe because it offers a larger area of slots than locally manufactured pipe. The screen size is .030 inches of opening. I am going to the Brazos tomorrow and hope by the time I get there, he is installing the pump and piping. Maybe we can get the well back on line by Friday or Saturday.

Ron Stafford has maintained the aux pump and reports that the upper tank is empty and the middle tank marker is at 5 feet. We are very close to running out of water completely. I asked Ron to switch the No. 1 well pump to the automatic mode. The reason is this:

It is running in the manual mode at 2.75 gpm. $2.75 \text{ gpm} \times 60 \text{ minutes} \times 24 \text{ hours} = 3960 \text{ gallons per day}$

We know from observation that the No. 1 well recharges fairly quickly when switched off. The automatic mode is programmed at 60 minutes on and 45 minutes off. When the pump comes on, the observed flow is about 10 gpm. So at this time of year, the early flow is high and the longer the pump is left on, the lower the flow goes until it stabilized between 5 gpm and 3 gpm. Given this scenario, assume a couple of average flow rates to

be delivered over the 60 minutes of pump on time;

5 gpm X 60 minutes X 14 pump cycles per day = 4200 gallons per day

7 gpm X 60 minutes X 14 pump cycles per day = 5880 gallons per day

3 gpm X 60 minutes X 14 pump cycles per day = 2520 gallons per day

I think we can deliver more gallons per day at this time using the automatic mode. I will read the gallons delivered data on the meter this

week and verify my theory.

An updated list of the BOD and contacts is attached. Please note Ron Stafford's new phone number.

See you Sunday,

Tom McWilliams