

MINUTES
ENOCH CITY WATER BOARD
December 12, 2019 at 4:30pm
City Council Chambers
City Offices, 900 E. Midvalley Road

MEMBERS PRESENT: Alan Miller, Spencer Jones, Larry Gardner, Steve Woolsey and Doug Grimshaw

STAFF PRESENT: Rob Dotson, Julie Watson, Earl Gibson and Council Member Harris

PUBLIC PRESENT: none

1. **CALL TO ORDER OF REGULAR MEETING**-By Chairman Gardner at 4:30 pm.
 - a. **Pledge of Allegiance** –Led by Chairman Gardner
 - b. **Invocation** –Audience invited to participate. Given by Steve Woolsey
 - c. **Approval of agenda for December 12, 2019** –**Doug Grimshaw made a motion to approve the agenda. Motion was seconded by Spencer Jones and all voted in favor.**
 - d. **Approval of minutes for October 10, 2019**-Chairman Gardner and Steve Woolsey missed meeting this meeting it was noted. Alan Miller made a motion to approve the minutes. The motion was seconded by Spencer Jones and all voted in favor.
 - e. **Conflict of Interest Declaration**-Spencer noted he may have a conflict depending on where the discussion goes and will recuse himself if need be.

2. **DISCUSS CURRENT WELLS AND WELLS CONSIDERED FOR ACQUISITION**

City Manager Dotson reported the risks involved are causing paralysis by analysis. There are many variables on wells available to us. Funds are limited so we have to prioritize and there are a lot of unknowns on new wells. The question is which wells we will purchase and which wells we will upgrade. We need input from the Water Board and help with decisions on the path to take. We hope to have 2-3 new wells up before summer; either our own upgraded wells or new ones. Three new sources are needed. We need about 1000 GPM additional input into the system or more. Earl recapped what has been done on existing wells.

1. Ravine well was deepened. There is a new, larger 150 HP pump in it. We had to rewire the electrical panel for the larger pump. All parts are ordered but the work is not done yet. With the 150 HP motor we figure it could pump from about 500 GPM or better.
2. Anderson well pumps 300 GPM. The water table dropped on that well this year. It breaks suction at 400 feet and now it is 195-200 GPM. We can't run it at maximum because that causes air in the lines for the nearby neighbors.
3. Woolsey well has too high of nitrates at 10. We will have to mix or blend with other water and then we can use it. That is being engineered.
4. Homestead well dropped to 400 GPM. We hired to have it chemically cleaned and flushed and that is in process now. We don't know what it will pump when cleaned. They think at least 800 GPM.
5. Iron Works well is back to 1200 GPM now with cleaning and new bowls. Rehabilitation made it much better.
6. BLM well pumped 400-500 GPM and then two weeks ago it went down. We pulled the motor and a wire was jerked off, maybe due to vibration. We are having someone come to

test pump it. If it is our electrical problem we pay for the motor. If it is their motor burning out the manufacturer pays for it. This is the third time this has happened.

City Manager Dotson said we are currently pumping about 1900 GPM or less. This summer we pumped 1500 GPM per minute and had issues in hot weather. Alan says he is hearing if Homestead well regains 400 GPM and Iron Works and Ravine wells go back up we are getting close to what we need. City Manager Dotson said that is true unless one well goes down. Earl said we are trying to have extra parts on hand to fix things faster. Alan asked if it make sense to pump the nitrate well (Woolsey) to the school or parks. City Manager Dotson noted another challenge with the irrigation wells is that they are all on the west side of town and that is a problem.

City Manager Dotson recapped the other wells we are considering purchasing, rehabilitating or drilling new wells next to.

- We own the Animal Shelter well but are not pumping it. Would require rehab.
- Little Eden well was camera'd and there is something wrong with the casing. We can try to keep figuring out what is going on at a cost of \$109,000 or we could drill next to it for about \$285,000 and less paperwork since it is adjacent to an existing well.
- Lava well is great but we have no numbers on it. A call came from the owner regarding the pending legislation so he would be in our service area and would not be cut off because of living out of Enoch boundaries. He requires use of the water in perpetuity and at a high cost to sell. The well is also located at the farthest distance from our existing system and would require a lot of piping.
- The Lamb well is now 500 feet deep. Spencer Jones owns that well and he recused himself from the discussion but did not leave the room so he could answer questions. He said he pumped it 376 GPM in 24 hours. It is a 7" casing. This could be a great source due to the location close to our system. The risk is, if purchased, there has to be an agreement with Spencer still having use of it. We need our attorney involved and a way to make that work. We are not sure of the cost to us. This could be a larger well instead of a 7". They have been using it for irrigation. There was more discussion of details of the well and it all checks out with the State. It is above Ravine well and would be easy to put into the system and could be upgraded to culinary.
- Blue Bird well has some issues and some think it is great and other think not. Earl said we bailed it and it has a hole in it so we can't get to the bottom. There has been no test pumping due to that. We don't own it and don't know if we want to put money into it. The camera shows a hole at 200 feet. Do we put money in when we don't own it? Blue Bird is on the back burner due to the hole in it.
- The Enoch Road well was going to be test pumped but now the owner is gone for the winter and does not want us to do anything until he back so that would be spring time before we could test it.
- The Doctor well pumps a lot of water and is used for irrigation for farming. We have a quote of \$50-60,000 to surface seal it. The owner is on the fence on selling.
- The Allen well on 3600 North is 500 feet deep and has a surface seal. It may be in the nitrate range area but we have not checked it.
- The Bronsema well is Jay Grimshaw's well and he is using it. We don't know any stats on it. Doug Grimshaw said he thinks it pumps 350-400 GPM.
- Little Eden well with high nitrates or the Animal Shelter well we already own is where we would rather put money it was noted.

City Manager Dotson said he received a new offer today. He said Norman Grimshaw owned this well and he received a call from the family about the City acquiring it. It is 875 feet deep and pumps about 900 GPM from well logs and is close to the existing system. Some members of the Grimshaw family want to sell and some are on the fence. We can resolve this and sell water to keep farming it. It was the intention of Norman that eventually Enoch would get this well and the family knows that. No other details are available right now.

Chairman Gardner asked what is needed from the Water Board. Earl said our question is which ones to spend money on. Alan suggested we could rate the wells on a scale of 1 to 5 with simple questions to see what direction that takes us. He suggested the criteria be; availability with a willing owner, current knowledge, casing size, cost to put the water into the system, water quality and water quantity.

- Lava well –High cost and owner requires guarantee of use in perpetuity. It is the farthest away from the existing system so rates 1 for that. Quantity and quality rates 5=Total 21.
- Lamb well rates 5 on ownership and knowledge of well. Casing size rates 2. Cost to enlarge is \$300,000 but location it great and is gravity fed so rates 5. Quality rates 5 and quantity rates 4= Total 26.
- Enoch Road well is owned by multiple owners so rates 3. Knowledge rates 3. Casing is 12" so rates 3. Cost rates 4 if used for irrigation and rates 2 if converted to culinary. Quantity and quality rates 2=Total 19 as culinary and 15 as irrigation.
- Doctor well-Owner is the on fence about selling so rates 3. Knowledge is good so rates 5. Casing is 16" so rates 5. Cost to system; needs surface seal but within 100 feet of system so rates 4. Quality sampled so rates 4. Quantity at 2500 GPM rates 5= Total 26.
- Allen well on 3600 N. was offered by the owner for sale so rates 4. Owner was told we needed more information and they did not provide any so rates 1. Casing and surface seal rates 2. Location is good so rates 4. Quality may be nitrate zone so rates 2. Quantity unknown so rates 1=Total 14.
- Bronsema well is being used now. Owner, Jay Grimshaw will deal so rates 4. Knowledge of 400 GPM rates 3. Casing rates 3. Cost to system with needing surface seal rates 4. Quality rates 1. Quantity rates 1= Total 16
- Bluebird well is not owned by the City. Willing seller so rates 5. Knowledge but hole at 250 feet so rates 4. Casing 16" to 400 feet and then 8" casing so rates 2. Cost to system rates 1. Quality has pumped water and sand at depth so rates 2. Quantity rates 3= Total 17.
- Grimshaw well-Owners may be willing but are unable to negotiate now so rates 1. Knowledge rates 4. Casing rates 3. Cost to system rates 4. Quality rates 1. Quantity rates 4= Total 19

Recommendation: The Lamb well and the Doctor well would be the best for resources. More information is required. The most expensive tests are for quality and quantity and it would be advisable to put time and effort to get more information on that at about \$900,000 cost.

3. **PUBLIC COMMENTS**-none

4. **BOARD/STAFF REPORTS**-none

5. **ADJOURN**-Motion to adjourn by Doug Grimshaw. Motion seconded by Steve Woolsey and all voted in favor. The meeting ended 6:00 pm.

 2-13-20
Julie Watson, Recorder Date

Water Board Meeting
December 12, 2019