

Permit Nos. 21-13033 and 21-13034
Thompson Addition Homeowners Association Inc.
(same subdivision, combined field exam)

**STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
In-Office Beneficial Use Examination**

1. ☒ Copy of Permit
2. ☒ Copy of proof of beneficial use
3. ☐ Copies of amendments/orders
4. ☒ Qualifies under Rule 35.01.r (IDAPA 37.03.02) (diversion rates < 0.24 cfs)
5. ☒ Points of Diversion: NWSW Section 36, T14N, R43E (Primary Well)
 SWSW Section 36, T14N, R43E (Secondary Well)

Method used to determine POD: Aerial photo / IDEQ Report / Info from water user

6. ☒ Place of Use: NWSW and SWSW Section 36, T14N, R43E

Method used to determine POU: Aerial photo / Subdivision maps

7. ☐ POD and POU match Permit Approval

Amendment needed. Original permits described two separate systems, each with a separate well, each supplying water to 16 homes. Systems and wells have been tied together since at least 2002. One well is used as the primary source, second well is a back-up. Licenses should be issued describing two authorized PODs and a combined POU covering the entire subdivision.

8. ☒ Aerial photo of place of use
9. ☐ Within a water district? (WD#)
10. ☒ Rate and Volume Calculations

Domestic: 24 lots x 0.6 af/lot/year x ½ (6-month season) = 7.2 acre-feet / year
Each water right will be licensed for 3.6 acre-feet / year.

Diversion Rate: Graph used by IDWR to determine domestic demand shows that 24 homes would require an instantaneous diversion rate of 0.22 cfs (or 0.11 cfs for each permit). There is a flowmeter installed on the primary well (NWSW Sec 36). On June 13, 2012, the day IDEQ conducted its sanitary survey, the system was pumping at a rate of 51 gpm (0.11 cfs).

The original applications for permit stated that the wells were equipped with 1.5 hp pumps. According to well logs from the area, static water level is approximately 90 feet below land surface. Pump tests on the wells (some as much as 200 gpm) showed a drawdown of about 40 feet (in other words, pumping levels of 130 feet). Assuming a pump size of 1.5 hp and a delivery pressure of 45 psi, the wells would only be able to produce 0.04 cfs. The applications may have been in error, or the pumps were replaced with larger pumps after the applications were filed. Given the hydrologic conditions, a 1.5 hp pump would only be able to supply water to a couple of homes.

The water right licenses will each list a diversion rate of 0.11 cfs, the amount observed during the IDEQ exam. The licenses should not include a combined diversion rate limit.

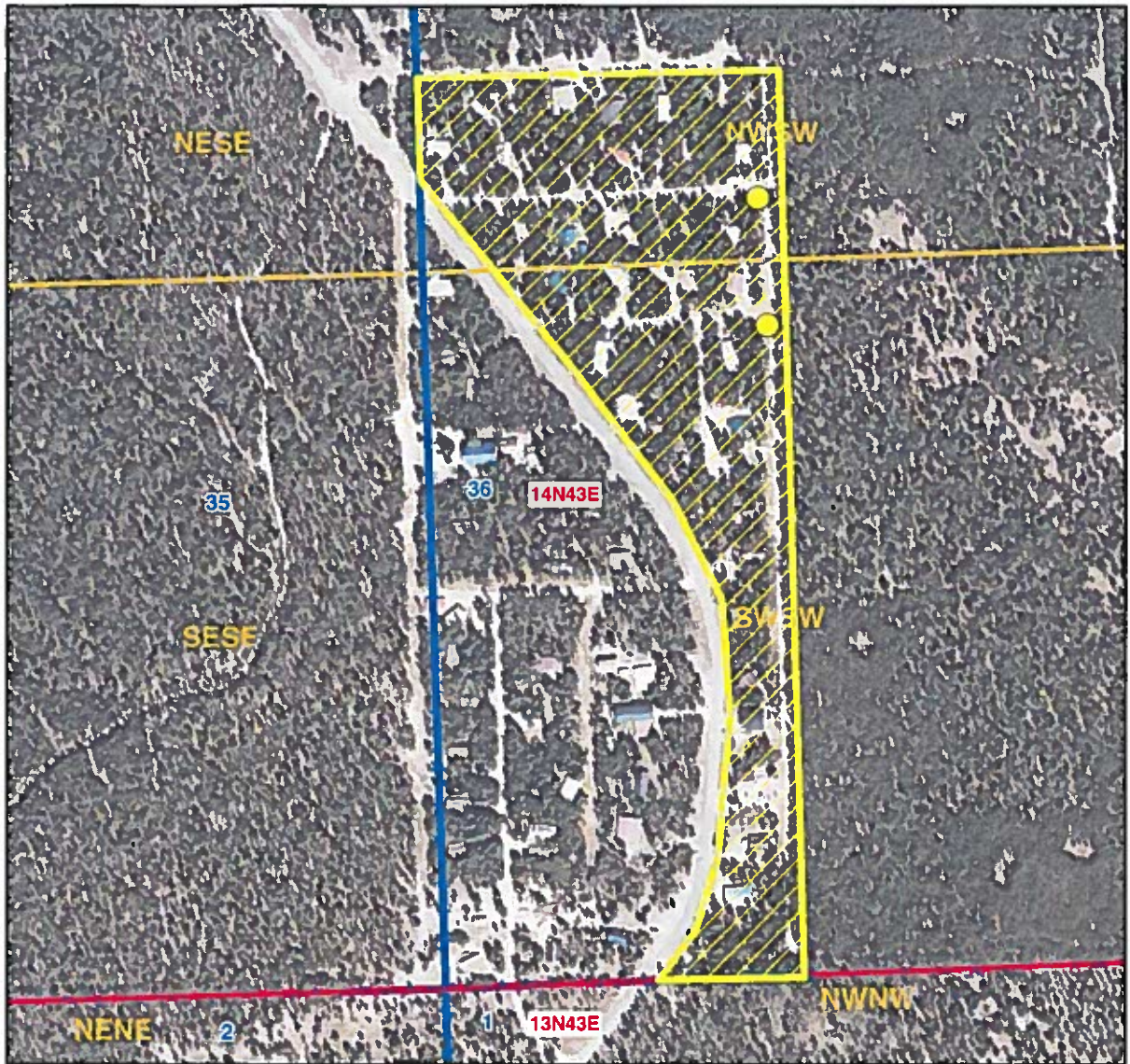
11. X Other information

I spoke with Barbara Schwisow, Secretary for the HOA. She said that water is delivered to 24 lots. Most lots in the subdivision are developed (cabins built). However, even undeveloped lots have a water connection. Water is delivered to Lots 3, 4, 5, 7, 8, 9, 10, 13, 17, 19, 20, 21, 22, 23, 24, 26, 27, 28, 29, 31, 32, 35, 36 and 37. The other lots in the subdivision (1, 2, 6, 11, 12, 14, 15, 18, 25, 30, 33 and 34) divert from individual domestic wells and are not connected to the HOA water system. License will be issued to reflect the current number of connections to the system. Each license will cover 12 connections.

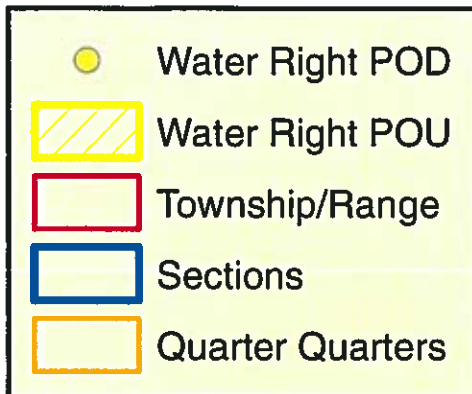
IDEQ report states that the system is not operated during the winter and is only used between June and September. Ms. Schwisow confirmed that the system is usually turned on in mid-May and turned off in mid-October. Season of use will be set as 5/1 – 10/31 and water right volumes were calculated accordingly.

Examiner Name James Cefalo Date Dec 10, 2015

Water Right Licenses 21-13033 and 21-13034



2013 Aerial Photo



0 250 500 Feet



No. C 112128	Due no later than Sep 30, 2015 Annual Report Form		2. Registered Agent and Address (NO PO BOX)			
Return to: SECRETARY OF STATE 700 WEST JEFFERSON PO BOX 83720 BOISE, ID 83720-0080 NO FILING FEE IF RECEIVED BY DUE DATE	1. Mailing Address: Correct in this box if needed. THOMPSON ADDITION HOMEOWNERS ASSOCIATION, INC. REXA MOFFETT 406 W 9TH AVE RITZVILLE WA 99169		KIM WALKER 2772 E 97TH N IDAHO FALLS ID 83401			
			3. <u>New</u> Registered Agent Signature:*			
4. Corporations: Enter Names and Business Addresses of President, Secretary, and Directors. Treasurer (optional).						
Office Held	Name	Street or PO Address	City	State	Country	Postal Code
PRESIDENT	REXA M MOFFETT	406 W. 9TH AVE.	RITZVILLE	WA	USA	99169
TREASURER	BARBARA SCHWISOW	406 W. 9TH AVE.	RITZVILLE	WA	USA	99169
DIRECTOR	PATRICIA KUBICKI	1667 ANNETT ST.	BOISE	ID	USA	83705
DIRECTOR	KIM WALKER	2772 E. 97TH N.	IDAHO FALLS	ID	USA	83401
DIRECTOR	FRED WALKER	745 W. SHELLEY	IDAHO FALLS	ID	USA	83401
5. Organized Under the Laws of: ID C 112128		6. Annual Report must be signed.* Signature: Barbara Schwisow Name (type or print): Barbara Schwisow Date: 08/27/2015 Title: Secretary				
Processed 08/27/2015		* Electronically provided signatures are accepted as original signatures.				

From: Rexa & Barb [mailto:rexabarb@gmail.com]
Sent: Thursday, December 10, 2015 12:33 PM
To: Cefalo, James
Subject: Re: Thompson Addition Water System

Here's what we have. Call me if you need more info.

<u>Lot #</u>	<u>Owner</u>
1 and 2	Butikofer Own their own Well
3	McArthur Trust Thompson Addition
4	Gertsch Thompson Addition empty lot
5	Jones Thompson Addition
6	Mikesell Own their own Well
7	Moffett/Schwisow Thompson Addition
8	Family Protection Trust Thompson Addition
9	Gardner, Ronald Thompson Addition empty lot
10	Gardner, David Thompson Addition
11 and 12 (W1/2)	Jenkins Own their own Well
12 (E1/2) and 13	Marshall Thompson Addition
14 and 15	Webb (Are there 2 connections for Webb?) Own their own Well, owns 2 lots
17	Halls Thompson Addition
18	Andrus Own their own Well
19	Walker Thompson Addition
20	Peterson Thompson Addition
21	Purkett Thompson Addition
22	Bean Thompson Addition
23 and 24	Yarbrough Thompson Addition, one house & one empty lot
25	Packham Own their own Well
26	Allredge Thompson Addition, empty lot
27	Miller Thompson Addition
28	Reese/Kennedy Thompson Addition

29	Hendricks Thompson Addition
30	Albano Own their own Well
31	Wenzel Thompson Addition, empty lot
32	Brown Thompson Addition
33	Reed Own their own Well
34	Smith Own their own Well
35	Kubicki Thompson Addition
36	Andrus Thompson Addition
37	Jackson Thompson Addition, empty lot

Please identify who has a connection on the water system (even if the lot has not been developed) and who is on their own domestic well. **The ones marked Thompson Addition are on the wells.**

Do you happen to know the size of the pumps in the wells? The original applications said that they were 1.5 horsepower submersible pumps.

The pumps have been replaced once. We don't know the size but would guess that 1.5 is probably correct. We would have that information at our cabin there.

I had one other question. The IDEQ report stated that the system is only operated part of the year (June – September). The final water right license will reflect the actual season of use for the system. What is the correct days to list? June 1st to September 30th? Stated differently, what is the earliest you envision the system being started and the latest it could run?

The system is usually turned on the middle of May and turned off the middle of October.

Barb Schwisow

Drinking Water Branch

Links

Water System Details

Water System Facilities

Sample Schedules

Coliform/Microbial Sample Results

Coliform Sample Summary Results

Lead And Copper Sample Summary Results

Chem/Rad Samples/Results

Chem/Rad Samples/Results by Analyte

Violations/Enforcement Actions

Site Visits

Milestones

Return Links

Water Systems

Water System Search

County Map

Glossary

Water System

No. :

ID7220074

Water System

Name :

THOMPSON WELL
INC

Principal County

Served :

FREMONT

Status :

A

Federal

Type :

NC

State Type :

NC

Primary

Source :

GW

Activity

Date :

03-31-1995

Points of Contact

Name	Job Title	Type	Phone	Address	Email
MOFFETT, REXA	PRESIDENT	AC			
MOFFETT, REXA	PRESIDENT	EC			
MOFFETT, REXA	PRESIDENT	LC			
MOFFETT, REXA	PRESIDENT	OW			
SCHWISOW, BARBARA	SECRETARY	EC			
SCHWISOW, BARBARA	SECRETARY	FC			
SCHWISOW, BARBARA	SECRETARY	SA			

Annual Operating Periods & Population Served

Service Connections

Start Month	Start Day	End Month	End Day	Population Type	Population Served	Type	Count	Meter Type	Meter Size Measure
5	1	9	30	T	40	CB	22	UM	0

Sources of Water

Service Areas

Name	Type Code	Status
WELL #1	WL	A
WELL #2 SOUTH	WL	A

Code	Name
R	MOBILE HOME PARK
T	RECREATION AREA
R	RESIDENTIAL AREA

18 June 2012
Thompson Well
7220074

RE: Enhanced Sanitary Survey conducted on 13 June 2012

You will find a list of the significant deficiencies, deficiencies and recommended improvements for your system summarized below. In order to address all significant deficiencies, follow steps 1, 2 & 3.

Step 1:

After reviewing the significant deficiencies listed below, please call our office to identify a corrective action plan for each significant deficiency within 30 days of receiving this written notification. During that call, please be prepared to provide a "Planned Completion Date" for each item.

Step 2:

Complete the planned action(s) by the agreed upon date.

Step 3:

Enter an "Actual Completion Date", Initials, identify the "Corrective action taken", and sign that each corrective action has been corrected by the agreed upon date and that the corrective action meets the requirements pursuant to IDAPA 58.01.08. Please send a copy of the corrective action taken to the regulating agency.

Significant Deficiencies

General Information: N/A

Planned Completion Date: _____,
Actual Completion Date: _____, *Initials* _____.
Corrective action taken:

Groundwater Source: N/A

Planned Completion Date: _____,
Actual Completion Date: _____, *Initials* _____.
Corrective action taken:

Storage: N/A

Planned Completion Date: _____,
Actual Completion Date: _____, *Initials* _____.
Corrective action taken:

Hydropneumatic Tanks: N/A

Planned Completion Date: _____,
Actual Completion Date: _____, *Initials* _____.
Corrective action taken:

Distribution: N/A

Planned Completion Date: _____,
Actual Completion Date: _____, *Initials* _____.
Corrective action taken:

Pumping: N/A

Planned Completion Date: _____,
Actual Completion Date: _____, *Initials* _____.
Corrective action taken:

Financial: N/A

Planned Completion Date: _____,
Actual Completion Date: _____, *Initials* _____.
Corrective action taken:

Managerial: N/A

Planned Completion Date: _____,
Actual Completion Date: _____, *Initials* _____.
Corrective action taken:

Treatment Application: N/A

Planned Completion Date: _____,
Actual Completion Date: _____, *Initials* _____.
Corrective action taken:

Disinfection: N/A

Planned Completion Date: _____,
Actual Completion Date: _____, *Initials* _____.
Corrective action taken:

I certify, to the best of my knowledge that all significant deficiencies have been corrected by the agreed upon date and that the corrective action meet the requirements pursuant to IDAPA 58.01.08.

Signature: _____ **Date:** _____

Deficiencies

General Information: N/A

Groundwater Source: 1. The well casing for well #1, North Well or Main Well, does not extend 18 inches above the final ground surface and/or 12 inches above the pump house floor, as required by IDAPA 58.01.08.511.06.a. There is a low potential for the casing to be covered by water during a flooding event. The casing height requirement will be reevaluated every time an ESS is conducted. **(No action required at this time)**

2. A pressure gauge is not provided at all installations for well #2, South Well or Back-up Well, or the existing pressure gauge is not properly working, as required by IDAPA 58.01.08.511.03.

Storage: N/A

Hydropneumatic Tanks: N/A

Distribution: N/A

Pumping: N/A

Financial: N/A

Managerial: 1. Inadequately protected electrical wiring is producing a safety concern, per IDAPA 58.01.08.501.6, IDAPA 58.01.08.501.14, and IDAPA 58.01.08.501.16.

Treatment Application: N/A

Disinfection: N/A

Recommendations

General Information: N/A

Groundwater Source: N/A

Storage: N/A

Hydropneumatic Tanks: N/A

Distribution: N/A

Pumping: N/A

Financial: N/A

Managerial: N/A

Treatment Application: N/A

Disinfection: N/A

Descriptions

General Information: The Thompson Well water system is located in the Island Park area of Fremont County. The system is roughly at the intersection of Big Springs Road and Old Highway 191. It is on the east side of the Old Highway while a different water system is on the west side of the highway, completely unconnected. There are 23 service connections and an estimated population of 46 people. The system uses chlorine to disinfect the well and more will be discussed about the disinfection in that module. The Thompson Well Homeowners

Association owns the water system and keeps a well maintained system. The months of operation typically start in early June and close in September. Rexa Moffett is the president of the HOA and she was present during the survey. The previous sanitary survey was conducted 28 June 2007 and found a few deficiencies. Those were corrected previously and were not a problem during this survey. No major changes have been made since the last survey.

Groundwater Source: Two wells provide water for the entire subdivision. Each well has a means to disinfect the water and is done on a regular daily basis. Well #1 is the main well and is pumping most of the time. Well #2 only is used when the demand for water increases or if Well #1 goes out. The back up well is not used too often. A search of the Idaho Department of Water Resources was unsuccessful in finding a Well Log or a Well Driller's Report for the wells. This information provides details of when the well was drilled, to what depth, and how it was constructed. All of that information is unknown. In July 1996 a Ground Water Under Direct Influence (GWUDI) analysis was performed to determine if the wells are being influenced by giardia, cryptosporidium, or other microbial contaminants. Results of this analysis show that the wells are solely groundwater. The subdivision is connected to the county sewer system so septic tanks and drain fields are not a problem. The other set back requirements are being met to property lines, bodies of water and grazing animals for both of the wells. Each of the wells is located in a pump house which is locked and protected from unauthorized entry. During the last survey it was noted that water hoses are connected to the system without approved backflow prevention devices. Now, an AVB is installed where a garden hose is connected directly to the system. There were no violations with the pump house. As mentioned, the wells are located in the pump house; however, Well #1 does not extend the minimum of 12 inches above the pump house floor. Based on the location of the well and the limited potential for flooding this is only deemed a deficiency and no action to fix the problem is required at this time. Well #2 is high enough. Each of the wells is cased to not allow outside contaminants or surface water from entering the well. A flow meter is provided in the pump house for Well #1 which has a reading of 4808100. Well #2 does not have a flow meter. Pressure gauges are located in each of the pump houses except the gauge in the pump house of Well #2 is not working properly. This needs to be corrected. Pressure reading from the gauge in the pump house of Well #1 was around 45 psi.

Storage: N/A

Hydropneumatic Tanks: A pressure tank is located in each of the pump houses. Both tanks are the same; a WX-350 module number, each made by Well-X-Trol. The tanks maintain adequate pressure throughout the system. Each tank has an isolation valve, still allowing the system to operate. An inspection of the exterior of the tanks shows that they are in fine working order. The pressure tanks serve less than 150 homes in the subdivision. No corrections need to be made at this time to any aspects of the pressure tanks.

Distribution: The distribution lines that are visible are a 1.5-inch galvanized steel pipe. There were no leaks reported during the survey and pretty much all the water is accounted for. A map of the distribution system has been created to show isolation valves and shut-offs located throughout the subdivision. The system does not worry about freezing pipes because the system operates only during the summer months of the year. This system flushes the lines on an annual basis and exercises the valves more often than that.

Pumping: Both wells have a submersible pump in the well casing. The size and model number of the pump is unknown. A check valve is provided in the pump house for each of the wells, the pictures reflect that. During the time of the inspection there were no signs of excessive pumping. Spare parts and tools are available if there is a problem or a well drilling company is called out to correct the problem if it is a large project. There is ample water for the users on the system with no complaints of sand or sediments. This water system does not have any booster pumps. Back-up power is not necessary at this water system.

Financial: An annual fee is required of the homeowners. The amount is \$150 a year. There is money available to make changes, correct problems, and have samples analyzed. The water system is not in the business of selling water. It is also current on the drinking water fees.

Managerial: Because this type of system is a Transient Non-Community a certified operator is not required. There is an HOA body who oversee the operations and maintenance of the system. The board will be meeting around the 4th of July to discuss matters related to the water system. A quarterly bacteria test is only required during the second and third quarters of the year. These records, along with the nitrate results, are kept at the home of the HOA President, Rexa Moffett. She was able to answer the questions about the water system and provide details not found in the drinking water file. There is a concern with the electrical wiring in the pump house. The wiring should be in a conduit and protected. Rexa is also the main contact for the water system or it could be Barb Schwisow who is the secretary/treasurer. They share the same address. A reminder was given to collect a bacteria sample before the end of June and one will be collected on the 26th. Rexa has great pride in the water system and is committed to making sure people have clean water to drink in the subdivision.

Treatment Application: As mentioned earlier, both wells have the capability to treat with chlorine. It is presently being used for both wells. The feeders are manually adjusted allowing different amounts of chlorine to be added. A tap is provided after treatment and has an approved backflow device on it.

Disinfection: Both of the containers where the chlorine is held were holding chlorine during the inspection. The water system chlorinates on a regular basis. Presently, there is a means to measure the chlorine residual throughout the system. The records are kept in the pump house. It appears this water system is disinfecting on a voluntary basis.

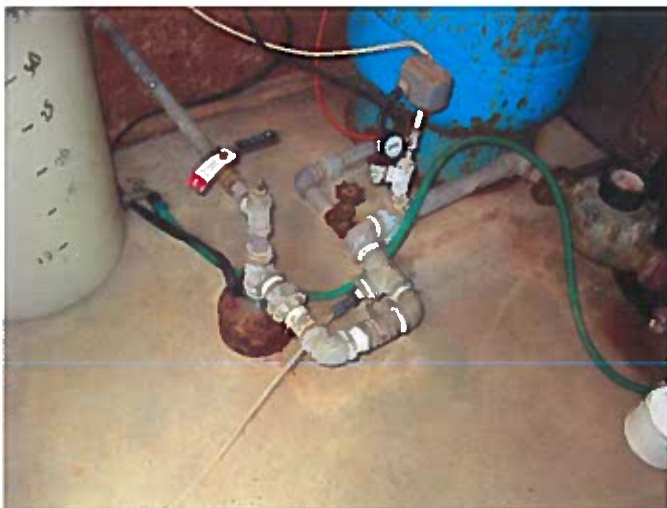
This system will be in substantial compliance with regulations if the significant deficiencies of this survey are corrected. Thank you for your time and cooperation in the completion of this survey. If you have any questions, please contact me at 208-533-3129 or my email address is mhemming@phd7.idaho.gov.

Sincerely,

J. Merrill Hemming
Environmental Health Specialist

Enclosures: Enhanced Sanitary Survey Inspection Form
Photo Log

Photo Log



1. Well #1, distribution lines, and check valve.



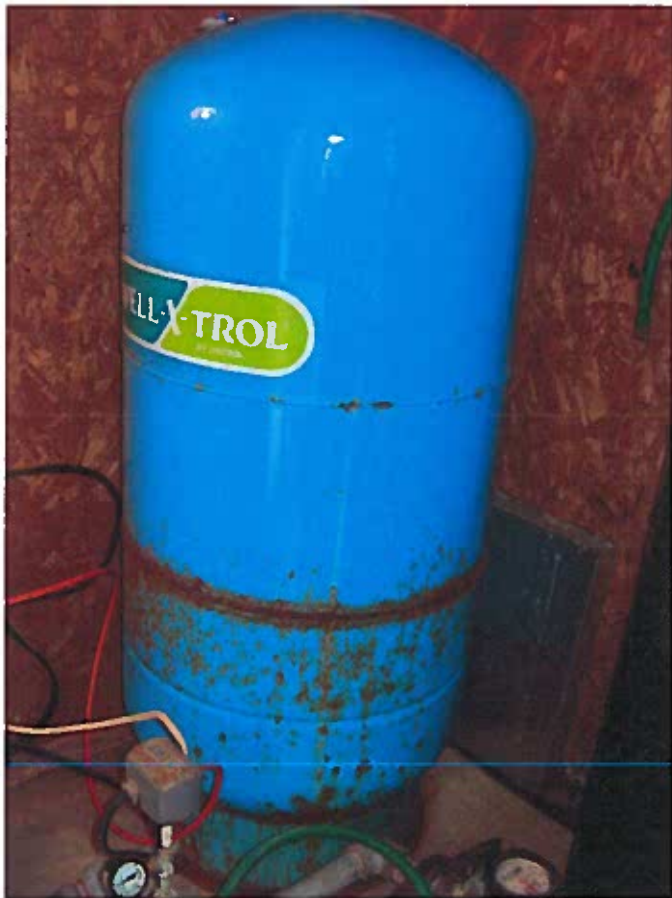
2. Pressure switch and gauge reading about 45 psi.



3. Flow meter in the pump house.



4. Chlorination system to the Main Well.



5. Pressure tank in the Main Well pump house.



6. Pump house for the Main Well.



7. Well head for Well #2, shutoff and concern with the electrical wiring.



8. Pressure switch and broken pressure gauge for Well #2.



9. Pressure tank for Well #2.



10. Chlorination system for the Back-up well.



11. Pump house for the Back-up Well.



12. Corrected item from the previous survey.