

Inspection Firm:
Fair Winds Home Inspections LLC

Inspector:
DUSTIN B SAWMILLER



Business Address:
13737 US 23S

Business Phone
(989) 884-1495

Inspector Email:
Fairwindsinspections@gmail.com

Client:
Jane Homebuyer

Phone (Day)
(555) 321-5432

Address
13737 US 23S, Ossineke MI
United States

Client Email
Fairwindsinspections@gmail.com

External Equipment

Well Type
Drilled

Well Completed Date:
Unknown

Well Permit if Known++ #:
Unknown

Well Obstructions++?
None

Well Depth (feet)++
250 ft

Height of casing above ground (inches)++
16

Source of Data:
Homeowner

Well Cap++
Secured / bolted

Casing Type
PVC

Casing Diameter
6"

Distance from well to house (ft)++
15

- A secured / contamination resistant cap mitigates risk of bacteria / health concerns.

Equipment

Pump++ Mfr- (if known)"
Unknown

HP
Unknown

Type
Submersible

Amperage Reading
5 - 7.5 amps

Tank++ - Brand
Wel X Trol

Tank Model:
WX202

PSI Settings
30/50

Tank Condition
Good (like new)

**Control Box++ -
Condition Ok**
Not Present

**Water Conditioning
Equipment++ -
Description:**
None

Wire Type
12-2

Low Reading - PSI
25

**Seconds to high
reading**
41

High Reading - PSI
45

**Seconds to low
reading**
93

Low Reading - PSI
26

Pressure Switch

- Visibly present / intact / functional

Pressure Gauge ++

- Visibly present / intact / within range of mfr psi

Yield Testing

Container size in Gallons
5

Time - Test #1
1035

**Seconds to fill 5 gal
bucket**
61

Total Gallons
5

Flow per Minute
4.92

Time - Test #2
1100

**Seconds to fill 5 gal
bucket**
63

Total Gallons
123

Flow per Minute
4.76

Time - Test #3
1130

**Seconds to fill 5 gal
bucket**
60

Total Gallons
272

Flow per Minute
5

Time - Test #4
1200

**Seconds to fill 5 gal
bucket**
62

Total Gallons
405

Flow per Minute
4.84

Minutes between Test #3 -#4
30

Cycle Time Parameters - Cycle time indicates the frequency of the pump starting/stopping in retrieving water to fill the Pressure Tank. This metric and should be between 30 seconds and 6 minutes for optimal performance.

PSI Parameters - Based on the size and specifications of the manufacturer of the tank, the PSI noted should be between the manufacturer's recommended settings. The higher the pressure at the tank, the higher the pressure at each outlet. Higher pressures are typically achieved with a larger tank size.

Well Yield - this is the amount of water re-entering the well after an outflow of water as measured. Your well produces gallons per day. An average person uses between 75 - 100 gallons in the kitchen, bath, and laundry per day

Well Yield
4.43

Total Gallons
405

**Gallons of Water
Yielded per Day**
6379

Cycle Time
134

On Site Observations

External Equipment

Pass

- Passes when (1) the well is drilled (or bored/encased); (2) the well is fully accessible without obstruction; (3) the casing (steel or PVC) extends at least 6 inches above ground level; (4) the cap is secured, sealed and contamination resistant (all bolts in place and tightened).

Internal Equipment

Pass

- Passes when (1) The amp reading taken on the (submersible or jet) pump is < 10 while running; (2) the pump is functional for the full yield test period of 60-90 minutes, (3) Pressure Tank is in Good, Fair, or Poor condition based on inspector observation of performance and appearance; (4) the Pressure Gauge is intact and moves with water use, within the manufacturer's specifications (which are on the tank); (5) the Control Box (if present) is intact and functional.

Cycle Time

Pass

- Passes when the full cycle is completed between 30 seconds and 420 seconds. The cycle begins at the lowest pressure reading with the 'click' that signals the pump to start, the pressure gauge rises to its highest level, and then 'clicks' to shut the pump off, with the pressure level slowly decreasing as water is used. The full cycle ends when a click is heard to start the pump again, beginning a new cycle. Note: the larger the tank, the longer the cycle; the higher the gallons per minute of water being pumped, the shorter the cycle.

Well Yield

Pass

- Passes by producing a minimum/consistent 1 gallon per minute (even if the flow is reduced during the test period) after the extraction of more than 350 gallons of water in total. This indicates the amount of water re-entering the well after an outflow of water as measured is adequate for a family of 4-6, considering reserves and peak usage. An average person uses between 75 - 100 gallons in the kitchen, bath and laundry per day.

Notes/Summary Comments:

All equipment was maintained and operating as intended.

Disclaimer:



For any item above that is noted as "Needs Attention", we recommend that a licensed well professional review and remediate such item(s) as noted for proper system performance.

The above inspection firm has been requested to perform a visual, non-invasive inspection. The inspector nor any affiliates will be held

responsible for damages to the well components resulting from normal test procedures. Individual authorizing the inspection (and current owner, if different) agrees to hold the inspector and his/her firm harmless against claims for any such damages by the property and well owner.

All testing is designed to test the soundness of the well and evaluate peak use limits solely for the issuance of a WelGard Protection Plan; it is not an indication of short or long-term well reliability. Results will change over time.

Signed & Submitted By:

Dustin Sawmiller

Date Completed

02/24/2022

- \$249.50 paid by Home Inspector

Order

Product	Qty	Unit Price	Price
WelGard Protection 6MF	1	\$0.00	\$0.00
		Total	\$0.00

Generated in 0.47 seconds

Peak Memory usage 8.00 MB

Number of fonts 4