



Well Flow Test Report

**Location of Well Tested: 48 Birch Road
Torrington, CT 06790**

Date: 05-31-17

Well water flow is measured directly at the well tank or a faucet as close as possible to the tank. Flow is reported in gallons per minute (GPM) and pressure in pounds per square inch (PSI). Flow is measured with a calibrated water meter. When the test is conducted at a faucet other than at the well tank, results may be lower than the actual well flow. Water flows through piping and valves between the well tank and faucet that create a pressure drop. This reduces the flow rate at the test faucet. If water flows through a water treatment system or filter, additional pressure drops are present. We try to measure flow directly at the well tank. This information is provided to make you aware of the accuracy of this test.

Our test lasts for at least 1 hour. The actual well flow rate cannot be determined if water flow does not decrease during the test. This indicates the flow rate is higher than what we can measure. If flow quickly drops or stops, we increase back pressure and attempt to restart flow at a reduced rate. Many times we can reestablish flow at low flow rates and determine the actual flow rate of low flow wells. If flow cannot be reestablished, the test is suspended for 1 hour and then restarted. An approximate flow or recovery rate can be determined from that data.

We do not test appliances that use water or the hot water supply when we test the well. Water running from other locations will affect the accuracy of the flow test.

Note: Failure of the well pump or any associated well equipment can occur at anytime during or after the inspection.

Well output changes throughout the year. Periods of drought reduce ground water tables and can reduce well capacity. Any flow test that is conducted tells you the capacity and output of the well only on that day.

Test Location: Well Tank

Type of Well Pump: Submerged Jet

Filter Installed: Yes No Bypassed

Water Treatment System Installed: Yes No Bypassed

Well Equipment Appears in: Satisfactory Condition Repairs Needed

<u>Time (Minutes)</u>	<u>Pressure</u>	<u>Flow</u>	<u>Flow Meter Reading (Gal.)</u>
0	Pressure & Flow (PSI & GPM)	32 PSI	0 GPM 245681
1	Pressure & Flow (PSI & GPM)	5 PSI	8.33 GPM -----
22	Pressure & Flow (PSI & GPM)	5 PSI	7.31 GPM 245563
55	Pressure & Flow (PSI & GPM)	5 PSI	5.55 GPM 246074
70	Pressure & Flow (PSI & GPM)	5 PSI	5.50 GPM -----
98	Pressure & Flow (PSI & GPM)	5 PSI	2.93 GPM 246293
100	Pressure & Flow (PSI & GPM)	0 PSI	Dry GPM 246303
123	Pressure & Flow (PSI & GPM)	Restart PSI	----- GPM 246303
134	Pressure & Flow (PSI & GPM)	----- PSI	----- GPM 246362
Off	Pressure & Flow (PSI & GPM)	PSI	GPM
	Pressure & Flow (PSI & GPM)	PSI	GPM
	Pressure & Flow (PSI & GPM)	PSI	GPM

An Unmeasured Quantity of Water Was Removed From The Well For Testing Appliances That Use Water. This is Estimated at: 10 Gallons.

An Unmeasured Quantity of Water Was Removed From The Well For Testing the Septic System. This is Estimated at: Gallons.

The Building Was Occupied at the Time of The Inspection. It Appeared Occupants Used an Undetermined Amount of Water Before the Start of the Flow Test.

Quantity of Water Pumped From Well: 632 Gallons. Quantity of Water Removed After Recovery Test 59

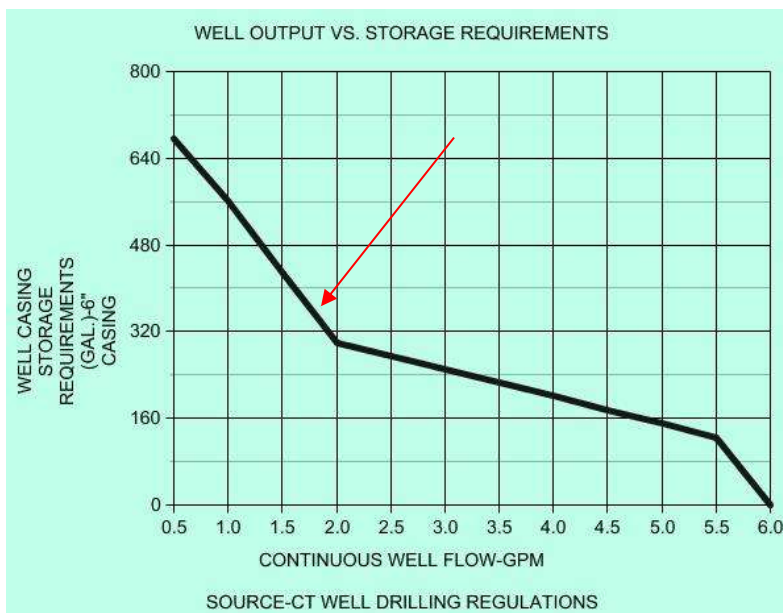
Well Flow Rate During Test: 6.32 GPM. (632 Gal./ 100 Min.)

Actual Well Flow Rate From Last Portion of Test Results: 1.84 GPM.

(over)



Initial well flow was 8.33 GPM. Flow gradually decreased as the level in the well casing dropped. Flow ceased after 100 minutes. 632 gallons of water was removed from the well. The well was allowed to recover for 23 minutes and flow was restarted. The well was pumped dry again. 59 gallons of water was removed over a 32 minute time period. The well flow (recovery rate) is calculated at 59gal/32 minutes = 1.84 GPM. The height of the water column in the well casing is calculated at: 632 gal – (1.84 GPM x 100 min = 184 gal) = 448 gal. Assume there is 15 gallons in the well storage tank (448-15 = 433gal). There is 1.5 gallons per foot of well casing. 433gal/1.5 gal/ft = 287 feet. The well appears to meet the requirements of the CT Well Drilling Regulations.



Inside & Out Home Inspection

Richard Westervelt, Connecticut License #416

Refer to: www.wellowner.org for more information on your well.

If the well has low flow, additional information is available at:

[http://www.wellowner.org/](http://www.wellowner.org) - Look Under Well Maintenance – Restoring Flow