Summary
UWEX Private Well Project

Sheboygan Co
Herman - Mosel

10/13/2015
12:40 PM

Total Number Samples: 108 Sample Date: 9/14/2015

Reason for Test		Last Test (yr		Problems		Treatment Sys		Depth (ft) Well		Casing	Water	Well Diam (in)	
Curious	91%	Never	6%	Color	10%	Softener	75%	... 25	0%	0%	8%	... 3	2%
Problems	3%	< 1	2%	Taste	11%	R/O	6%	26-50	<1%	<1%	5%	4 - 9	56%
Regular	4%	1 - 2	0%	Odor	21%	Carb Filt	6%	51-100	8%	10%	4%	10 - 18	<1%
Required	0%	2 - 5	6%	Corr	3%	Neutral	0%	101-150	14%	3%	0%	18 +	<1%
Bac Retest	0%	5 - 10	17%	Health	<1%	Part Filt	14%	151-200	15%	6%	0%		
Disinfect	0%	10 +	23%	Other	3%	Iron Filt	21%	201 ...	6%	0%	0%		
Infant...	3%	Unk	39%	None	45%	Other	2%						
Other	3%												

pH

... 5.00	0	0 %
5.01 - 6.00	0	0 %
6.01 - 7.00	0	0 %
7.01 - 8.00	8	7 %
8.01 - 9.00	99	93 %
9.01 ...	0	0 %

Avg: 8.13 for 107 Samples

Conductivity (umhos/cm)

... 100	0	0 %
101 - 250	2	2 %
251 - 500	58	54 %
501 - 750	36	34 %
751 - 1000	11	10 %
1001 ...	0	0 %

Avg: 506 for 107 Samples

Alkalinity (mg/L CaCO3)

... 50	0	0 %
51 - 100	0	0 %
101 - 200	44	41 %
201 - 300	43	40 %
301 - 400	20	19 %
401 ...	0	0 %

Avg: 229 for 107 Samples

Total Hardness (mg/L CaCO3)

... 50	14	13 %
51 - 100	10	9 %
101 - 200	18	17 %
201 - 300	39	36 %
301 - 400	21	20 %
401 ...	5	5 %

Avg: 217 for 107 Samples

Nitrate (mg/L as N)

None Detected	98	92 %
... 2.0	3	3 %
2.1 - 5.0	4	4 %
5.1 - 10.0	2	2 %
10.1 - 20.0	0	0 %
20.1 ...	0	0 %

Avg: 0.3 for 107 Samples

Chloride (mg/L)

None Detected	0	0 %
... 10	78	73 %
11 - 50	22	21 %
51 - 100	7	7 %
101 - 200	0	0 %
201 ...	0	0 %

Avg: 13.4 for 107 Samples

Saturation Index

... -3.0	0	0 %
-2.9 - -2.0	0	0 %
-1.9 - -1.0	7	7 %
-0.9 - 0.0	18	17 %
0.1 - 1.0	81	76 %
1.1 ...	1	<1 %

Avg: 0.3 for 107 Samples

Coliform Bacteria

Bact Samples	107	
Pos Bacteria	24	22 %

E. coli Bacteria

E. coli Samples	24	
Pos E. coli	3	12 %

Atrazine Screen* (ppb)

None Detected	33	100 %
... 0.3	0	0 %
0.4 - 1.0	0	0 %
1.1 - 2.0	0	0 %
2.1 - 3.0	0	0 %
3.1 ...	0	0 %

Avg: <0.1 for 33 Samples

*Triazine screen before June 2008, then Diaminochlorotriazine (DACT).

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Arsenic (mg/L)

None Detected	21	40 %
... 0.010	27	51 %
0.011 - 0.050	5	9 %
0.051 - 0.100	0	0 %
0.101 - 0.150	0	0 %
0.151 ...	0	0 %

Avg: <0.005 for 53 Samples

Calcium (mg/L)

None Detected	7	13 %
... 25	19	36 %
26 - 50	13	25 %
51 - 75	9	17 %
76 - 100	4	8 %
101 ...	1	2 %

Avg: 30.4 for 53 Samples

Copper (mg/L)

None Detected	12	23 %
... 0.130	33	62 %
0.131 - 0.500	7	13 %
0.501 - 0.900	0	0 %
0.901 - 1.300	0	0 %
1.301 ...	1	2 %

Avg: 0.136 for 53 Samples

Iron (mg/L)

None Detected	7	13 %
... 0.300	32	60 %
0.301 - 1.000	9	17 %
1.001 - 2.000	2	4 %
2.001 - 5.000	3	6 %
5.001 ...	0	0 %

Avg: 0.346 for 53 Samples

Potassium (mg/L)

None Detected	1	2 %
... 20	52	98 %
21 - 40	0	0 %
41 - 60	0	0 %
61 - 80	0	0 %
81 ...	0	0 %

Avg: 1.2 for 53 Samples

Magnesium (mg/L)

None Detected	9	17 %
... 20	20	38 %
21 - 40	17	32 %
41 - 60	6	11 %
61 - 80	1	2 %
81 ...	0	0 %

Avg: 19.1 for 53 Samples

Manganese (mg/L)

None Detected	13	25 %
... 0.050	39	74 %
0.051 - 0.300	1	2 %
0.301 - 0.500	0	0 %
0.501 - 1.000	0	0 %
1.001 ...	0	0 %

Avg: 0.008 for 53 Samples

Sodium (mg/L)

None Detected	0	0 %
... 25	23	43 %
26 - 50	12	23 %
51 - 75	2	4 %
76 - 100	0	0 %
101 ...	16	30 %

Avg: 62.6 for 53 Samples

Lead (mg/L)

None Detected	40	75 %
... 0.015	12	23 %
0.016 - 0.025	0	0 %
0.026 - 0.050	1	2 %
0.051 - 0.100	0	0 %
0.101 ...	0	0 %

Avg: <0.002 for 53 Samples

Sulfate (mg/L)

None Detected	1	2 %
...25	15	28 %
26 - 50	17	32 %
51 - 75	15	28 %
76 - 100	3	6 %
101 ...	2	4 %

Avg: 47 for 53 Samples

Zinc (mg/L)

None Detected	7	13 %
... 0.100	41	77 %
0.101 - 0.500	3	6 %
0.501 - 1.000	2	4 %
1.001 - 5.000	0	0 %
5.001 ...	0	0 %

Avg: 0.056 for 53 Samples