

Summary

UWEX Private Well Project

Green Co

October 2015

11/11/2015

2:48 PM

Total Number Samples: 45**Sample Date: 10/26/2015**

Reason for Test		Last Test (yr)		Problems		Treatment Sys		Depth (ft)	Well	Casing	Water	Well Diam (in)	
Curious	76 %	Never	4 %	Color	0 %	Softener	49 %	... 25	0 %	0 %	4 %	... 3	0 %
Problems	9 %	< 1	0 %	Taste	2 %	R/O	4 %	26-50	0 %	2 %	0 %	4 - 9	40 %
Regular	7 %	1 - 2	4 %	Odor	2 %	Carb Filt	4 %	51-100	7 %	11 %	11 %	10 - 18	2 %
Required	0 %	2 - 5	11 %	Corr	2 %	Neutral	0 %	101-150	13 %	0 %	4 %	18 +	0 %
Bac Retest	0 %	5 - 10	11 %	Health	0 %	Part Filt	13 %	151-200	9 %	7 %	0 %		
Disinfect	2 %	10 +	24 %	Other	4 %	Iron Filt	0 %	201 ...	7 %	0 %	0 %		
Infant...	0 %	Unk	38 %	None	56 %	Other	2 %						
Other	2 %												

pH			Conductivity (umhos/cm)			Alkalinity (mg/L CaCO3)		
... 5.00	0	0 %	... 100	0	0 %	... 50	0	0 %
5.01 - 6.00	0	0 %	101 - 250	1	2 %	51 - 100	1	2 %
6.01 - 7.00	1	2 %	251 - 500	4	9 %	101 - 200	4	9 %
7.01 - 8.00	42	93 %	501 - 750	28	62 %	201 - 300	18	40 %
8.01 - 9.00	2	4 %	751 - 1000	10	22 %	301 - 400	21	47 %
9.01 ...	0	0 %	1001 ...	2	4 %	401 ...	1	2 %
Avg: 7.61	for	45 Samples	Avg: 655	for	45 Samples	Avg: 296	for	45 Samples

Total Hardness (mg/L CaCO3)			Nitrate (mg/L as N)			Chloride (mg/L)		
... 50	5	11 %	None Detected	1	2 %	None Detected	0	0 %
51 - 100	0	0 %	... 2.0	5	11 %	... 10	20	44 %
101 - 200	3	7 %	2.1 - 5.0	4	9 %	11 - 50	21	47 %
201 - 300	4	9 %	5.1 - 10.0	24	53 %	51 - 100	4	9 %
301 - 400	23	51 %	10.1 - 20.0	10	22 %	101 - 200	0	0 %
401 ...	10	22 %	20.1 ...	1	2 %	201 ...	0	0 %
Avg: 312	for	45 Samples	Avg: 7.8	for	45 Samples	Avg: 19	for	45 Samples

Saturation Index			Coliform Bacteria			Atrazine Screen* (ppb)		
... -3.0	0	0 %	Bact Samples	45		None Detected	12	48 %
-2.9 --2.0	0	0 %	Pos Bacteria	17	38 %	... 0.3	7	28 %
-1.9 --1.0	4	9 %				0.4 - 1.0	5	20 %
-0.9 -0.0	5	11 %	E. coli Bacteria			1.1 - 2.0	1	4 %
0.1 - 1.0	36	80 %	E. coli Samples	17		2.1 - 3.0	0	0 %
1.1 ...	0	0 %	Pos E. coli	3	18 %	3.1 ...	0	0 %
Avg: 0.1	for	45 Samples				Avg: 0.2	for	25 Samples

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

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Arsenic (mg/L)

None Detected	23	100 %
... 0.010	0	0 %
0.011 - 0.050	0	0 %
0.051 - 0.100	0	0 %
0.101 - 0.150	0	0 %
0.151 ...	0	0 %
Avg: <0.005 for	23 Samples	

Calcium (mg/L)

None Detected	2	9 %
... 25	3	13 %
26 - 50	1	4 %
51 - 75	7	30 %
76 - 100	9	39 %
101 ...	1	4 %
Avg: 60.4 for	23 Samples	

Copper (mg/L)

None Detected	0	0 %
... 0.130	14	61 %
0.131 - 0.500	4	17 %
0.501 - 0.900	2	9 %
0.901 - 1.300	1	4 %
1.301 ...	2	9 %
Avg: 0.31 for	23 Samples	

Iron (mg/L)

None Detected	8	35 %
... 0.300	15	65 %
0.301 - 1.000	0	0 %
1.001 - 2.000	0	0 %
2.001 - 5.000	0	0 %
5.001 ...	0	0 %
Avg: 0.018 for	23 Samples	

Potassium (mg/L)

None Detected	0	0 %
... 20	23	100 %
21 - 40	0	0 %
41 - 60	0	0 %
61 - 80	0	0 %
81 ...	0	0 %
Avg: 1.6 for	23 Samples	

Magnesium (mg/L)

None Detected	2	9 %
... 20	4	17 %
21 - 40	6	26 %
41 - 60	11	48 %
61 - 80	0	0 %
81 ...	0	0 %
Avg: 33.4 for	23 Samples	

Manganese (mg/L)

None Detected	10	43 %
... 0.050	13	57 %
0.051 - 0.300	0	0 %
0.301 - 0.500	0	0 %
0.501 - 1.000	0	0 %
1.001 ...	0	0 %
Avg: 0.003 for	23 Samples	

Sodium (mg/L)

None Detected	0	0 %
... 25	18	78 %
26 - 50	1	4 %
51 - 75	0	0 %
76 - 100	0	0 %
101 ...	4	17 %
Avg: 31.9 for	23 Samples	

Lead (mg/L)

None Detected	10	43 %
... 0.015	12	52 %
0.016 - 0.025	1	4 %
0.026 - 0.050	0	0 %
0.051 - 0.100	0	0 %
0.101 ...	0	0 %
Avg: 0.003 for	23 Samples	

Sulfate (mg/L)

None Detected	0	0 %
...25	15	65 %
26 - 50	8	35 %
51 - 75	0	0 %
76 - 100	0	0 %
101 ...	0	0 %
Avg: 23.3 for	23 Samples	

Zinc (mg/L)

None Detected	0	0 %
... 0.100	13	57 %
0.101 - 0.500	6	26 %
0.501 - 1.000	1	4 %
1.001 - 5.000	1	4 %
5.001 ...	2	9 %
Avg: 0.812 for	23 Samples	