

Summary

UWEX Private Well Project

Green County

Cadiz-Clarno-Jordan-Monroe

4/30/2020

10:19 PM

Total Number Samples: 39

Sample Dates: 2/28/2020 to 3/2/2020

Reason for Test	Last Test (yr)		Problems		Treatment Sys		Depth (ft)	Well	Casing	Water	Well Diam (in)		
Curious	87%	Never	13%	Color	0%	Softener	74%	... 25	0%	0%	3%	... 3	0%
Problems	3%	< 1	3%	Taste	0%	R/O	5%	26-50	3%	5%	3%	4 - 9	44%
Regular	10%	1 - 2	15%	Odor	0%	Carb Filt	3%	51-100	8%	15%	5%	10 - 18	3%
Required	0%	2 - 5	18%	Corr	0%	Neutral	0%	101-150	8%	3%	8%	18 +	0%
Bac Retest	0%	5 - 10	8%	Health	3%	Part Filt	13%	151-200	18%	5%	3%		
Disinfect	0%	10 +	13%	Other	3%	Iron Filt	5%	201 ...	10%	0%	0%		
Infant...	5%	Unk	18%	None	72%	Other	3%						
Other	5%												

pH

... 5.00	0	0%
5.01 - 6.00	0	0%
6.01 - 7.00	0	0%
7.01 - 8.00	7	18%
8.01 - 9.00	31	82%
9.01 ...	0	0%
Avg: 8.13	for	38 Samples

Conductivity (umhos/cm)

... 100	0	0%
101 - 250	0	0%
251 - 500	1	3%
501 - 750	26	68%
751 - 1000	11	29%
1001 ...	0	0%
Avg: 685	for	38 Samples

Alkalinity (mg/L CaCO3)

... 50	0	0%
51 - 100	0	0%
101 - 200	0	0%
201 - 300	8	21%
301 - 400	29	76%
401 ...	1	3%
Avg: 324	for	38 Samples

Total Hardness (mg/L CaCO3)

... 50	0	0%
51 - 100	0	0%
101 - 200	0	0%
201 - 300	6	16%
301 - 400	25	66%
401 ...	7	18%
Avg: 348	for	38 Samples

Nitrate (mg/L as N)

None Detected	6	16%
... 2.0	7	18%
2.1 - 5.0	7	18%
5.1 - 10.0	13	34%
10.1 - 20.0	4	11%
20.1 ...	1	3%
Avg: 5.3	for	38 Samples

Chloride (mg/L)

None Detected	0	0%
... 10	14	37%
11 - 50	21	55%
51 - 100	3	8%
101 - 200	0	0%
201 ...	0	0%
Avg: 19.5	for	38 Samples

Saturation Index

... -3.0	0	0%
-2.9 - -2.0	0	0%
-1.9 - -1.0	0	0%
-0.9 - 0.0	0	0%
0.1 - 1.0	37	97%
1.1 ...	1	3%
Avg: 0.8	for	38 Samples

Coliform Bacteria

Bact Samples	38	
Pos Bacteria	2	5%

E. coli Bacteria

E. coli Samples	2	
Pos E. coli	0	0%

Atrazine Screen* (ppb)

None Detected	28	85%
... 0.3	4	12%
0.4 - 1.0	1	3%
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	23	70 %
... 0.010	9	27 %
0.011 - 0.050	1	3 %
0.051 - 0.100	0	0 %
0.101 - 0.150	0	0 %
0.151 ...	0	0 %
Avg: <0.005 for	33 Samples	

Calcium (mg/L)

None Detected	0	0 %
... 25	4	10 %
26 - 50	3	8 %
51 - 75	21	54 %
76 - 100	11	28 %
101 ...	0	0 %
Avg: 64.3 for	39 Samples	

Copper (mg/L)

None Detected	0	0 %
... 0.130	23	70 %
0.131 - 0.500	9	27 %
0.501 - 0.900	0	0 %
0.901 - 1.300	1	3 %
1.301 ...	0	0 %
Avg: 0.136 for	33 Samples	

Iron (mg/L)

None Detected	28	85 %
... 0.300	5	15 %
0.301 - 1.000	0	0 %
1.001 - 2.000	0	0 %
2.001 - 5.000	0	0 %
5.001 ...	0	0 %
Avg: 0.027 for	33 Samples	

Potassium (mg/L)

None Detected	0	0 %
... 20	33	100 %
21 - 40	0	0 %
41 - 60	0	0 %
61 - 80	0	0 %
81 ...	0	0 %
Avg: 1.3 for	33 Samples	

Magnesium (mg/L)

None Detected	2	5 %
... 20	1	3 %
21 - 40	14	36 %
41 - 60	22	56 %
61 - 80	0	0 %
81 ...	0	0 %
Avg: 39.8 for	39 Samples	

Manganese (mg/L)

None Detected	25	76 %
... 0.050	8	24 %
0.051 - 0.300	0	0 %
0.301 - 0.500	0	0 %
0.501 - 1.000	0	0 %
1.001 ...	0	0 %
Avg: 0.001 for	33 Samples	

Sodium (mg/L)

None Detected	0	0 %
... 25	27	82 %
26 - 50	2	6 %
51 - 75	0	0 %
76 - 100	1	3 %
101 ...	3	9 %
Avg: 25.4 for	33 Samples	

Lead (mg/L)

None Detected	30	91 %
... 0.015	2	6 %
0.016 - 0.025	1	3 %
0.026 - 0.050	0	0 %
0.051 - 0.100	0	0 %
0.101 ...	0	0 %
Avg: <0.002 for	33 Samples	

Sulfate (mg/L)

None Detected	0	0 %
...25	24	73 %
26 - 50	9	27 %
51 - 75	0	0 %
76 - 100	0	0 %
101 ...	0	0 %
Avg: 19 for	33 Samples	

Zinc (mg/L)

None Detected	1	3 %
... 0.100	23	70 %
0.101 - 0.500	6	18 %
0.501 - 1.000	3	9 %
1.001 - 5.000	0	0 %
5.001 ...	0	0 %
Avg: 0.106 for	33 Samples	