

Story County Water Supply Well Chlorination Chart

Amount of Chlorine Necessary to Achieve 50 Parts Per Million in Well
 Quantity in OUNCES of 5.25% Sodium Hypochlorite (Liquid Bleach) i.e. Clorox necessary to achieve an initial 50ppm residual disinfectant well solution

Distance from Static (Resting) Water Level to Bottom of Well (feet)

Well Diameter (inches)	10'	25'	50'	100'	200'	300'	400'
2"	1	1	1	1	2	3	4
3"	1	1	1	2	4	6	8
4"	1	2	4	8	16	24	32
5"	2	4	7	13	25	38	50
6"	2	5	9	18	36	54	72
8"	3	8	16	32	64	96	128
10"	4	13	25	50	100	150	199
12"	7	18	36	72	144	215	287
14"	10	25	49	98	195	293	390
16"	11	32	64	128	255	382	-
18"	17	41	81	162	323	-	-
20"	20	50	100	199	398	-	-
24"	29	72	144	287	573	-	-
30"	45	112	224	448	896	-	-
36"	65	162	323	645	1290	-	-

Please note that not all consumer liquid bleaches have 5.25% available chlorine, some have less.

Please check the label for available chlorine percentage to assure the proper amount will be used.

All quantities in this chart have been rounded up to the next full ounce for easy calculation. Using the chlorine amount shown in the above table will produce a 50 ppm chlorine concentration in clean water. If organic matter, mineralization, or bacteria are present in the well, you must add additional chlorine to maintain the 50 ppm concentrations for at least 8 hours to effectively disinfect the well.

Contact the [Health Office](#) for additional information.

Conversion Chart for Powder

16 ounces = 1 pint

32 ounces = 1 quart

64 ounces = 1/2 gallon

128 ounces = 1 gallon

640 ounces = 5 gallons

To obtain a 200 ppm concentration for pump replacement or repair work, multiply quantities in chart by 4.