



STANDARD WATER ANALYSIS REPORT

**Orlando Laboratories, Inc.**

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Report to: Varner Well & Pump Co. Appearance: Clear  
 Date: November 26, 1975 Sampled by: Client  
 Report Number: 10981 Identification: Well #2  
City of Waukee, Iowa

METHODS

This water was analyzed according to "Standard Methods for the Examination of Water and Wastewater," Latest Edition, APHA, AWWA and WPCF.

Determination	Data Significance	RESULTS		Determination	Data Significance	
		p.p.m.				p.p.m.
Total Dissolved Solids	x.	<u>1280</u>		Total Hardness, as CaCO <sub>3</sub>	x.	<u>320</u>
Phenolphthalein Alkalinity, as CaCO <sub>3</sub>	x.	<u>0</u>		Calcium Hardness, as CaCO <sub>3</sub>	x.	<u>310</u>
Total Alkalinity, as CaCO <sub>3</sub>	x.	<u>260</u>		Magnesium Hardness, as CaCO <sub>3</sub>	x.	<u>10</u>
Carbonate Alkalinity, as CaCO <sub>3</sub>	x.	<u>0</u>		Calcium, as Ca	x.	<u>124</u>
Bicarbonate Alkalinity, as CaCO <sub>3</sub>	x.	<u>260</u>		Magnesium, as Mg	x.	<u>2.4</u>
Carbonates, as CO <sub>3</sub>	x.	<u>0</u>		Sodium, as Na	x.	<u>255</u>
Bicarbonates, as HCO <sub>3</sub>	x.	<u>315</u>		Iron, as Fe	x.	<u>0.1</u>
Hydroxides, as OH	x.	<u>0</u>		Manganese, as Mn	x.	<u>&lt;0.05</u>
Carbon Dioxide, as CO <sub>2</sub>	x.	<u>18</u>		Copper, as Cu	x.	<u>&lt;0.1</u>
Chloride, as Cl	x.	<u>120</u>		Silica, as SiO <sub>2</sub>	x.	<u>3</u>
Sulfate, as SO <sub>4</sub>	x.	<u>430</u>		Color, PCS		<u>0</u>
Fluoride, as F	x.	<u>3.5</u>		Odor Threshold	x.	<u>0</u>
Phosphate, as PO <sub>4</sub>	x.	<u>0.1</u>		Turbidity, NTU	x.	<u>2.5</u>
pH (Laboratory)	x.	<u>7.5</u>				
pHs	x.	<u>7.1</u>				
Stability Index	x.	<u>6.7</u>				
Saturation Index	x.	<u>0.4</u>				

Signed: Donna Furbish  
 Chemist

(To convert ppm to grains per gallon, divide ppm by 17.1 - p.p.m. = mg/l)