



WATER ANALYSIS

Lab No. C86FW4451  
 Date Received November 24, 1986

Date Completed December 14, 1986  
 Date Sampled \_\_\_\_\_

Company KN Energy Well Name \_\_\_\_\_ State I  
 Location \_\_\_\_\_ County \_\_\_\_\_ State \_\_\_\_\_  
 Field \_\_\_\_\_ Formation \_\_\_\_\_ Depth \_\_\_\_\_ To \_\_\_\_\_  
 Sampled From \_\_\_\_\_ Requested By Rick Wells Sampled By \_\_\_\_\_

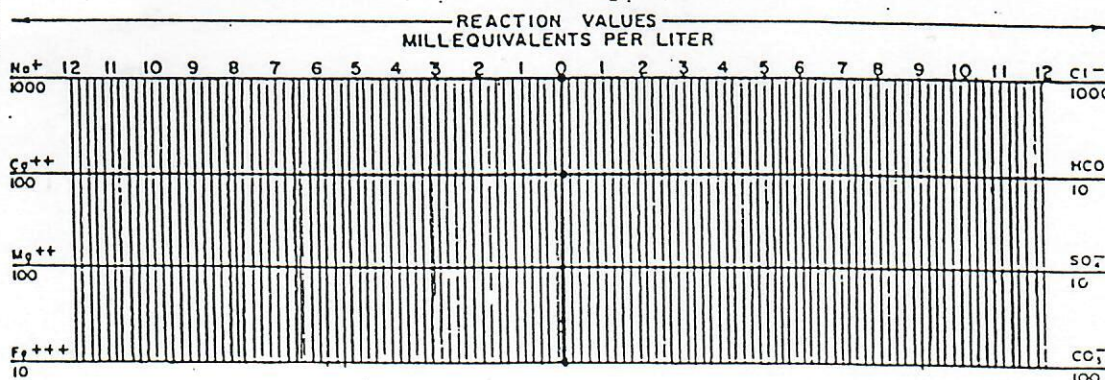
PARAMETERS

Specific Gravity 1.0028 at 60 degrees F  
 pH 4.6  
 Water Resistivity 12 OHM-Meters at 60 degrees F

	mg/l	ppm	me/l	Reaction Value %
Sodium, Na (Calc.)	<u>119.79</u>	<u>119.45</u>	<u>5.21</u>	<u>31.37</u>
Calcium, Ca	<u>50.00</u>	<u>49.86</u>	<u>2.50</u>	<u>15.02</u>
Magnesium, Mg	<u>7.30</u>	<u>7.28</u>	<u>0.60</u>	<u>3.61</u>
Chloride, Cl	<u>290.00</u>	<u>289.19</u>	<u>8.18</u>	<u>49.25</u>
Carbonate, CO <sub>3</sub>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
Bicarbonate, HCO <sub>3</sub>	<u>5.10</u>	<u>5.09</u>	<u>0.08</u>	<u>0.50</u>
Sulfate, SO <sub>4</sub>	<u>2.00</u>	<u>1.99</u>	<u>0.04</u>	<u>0.25</u>
Hydroxide, OH	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
Total Dissolved Solids (Calc.)	<u>474.19</u>	<u>472.86</u>	<u>16.61</u>	<u>100.00</u>

Primary Salinity	<u>62.72</u>	% Total Reaction Value
Secondary Salinity	<u>36.27</u>	% Total Reaction Value
Primary Alkalinity	<u>0.00</u>	% Total Reaction Value
Secondary Alkalinity	<u>1.01</u>	% Total Reaction Value
CaCl <sub>2</sub> /Mg Cl <sub>2</sub>	<u>4.84</u>	

Includes all cations other than Calcium and Magnesium.



CENREF PROJECT NO. PR861091