

# WATER TESTING AND CONSULTING LABORATORY

3825 SANTA CLAUS LANE  
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Telephone (805) 684-3301

November 29, 1988

Ms. Judy Jennings  
Ramaldo Well co.  
5593 W. Camino Cielo  
Santa Barbara, CA 93105

WATER ANALYSIS  
RE: 5593 W. Camino Cielo  
Santa Barbara, CA 93105

Attention: Ms. Jennings

Enclosed are the analytical results of a set of water samples taken by the Water Testing & Consulting Lab on November 22, 1988 as authorized and witnessed by Judy Jennings at the well site located at 5593 W. Camino Cielo.

This well water failed to meet the standard for general mineral and general physical analyses due to high concentrations of manganese, iron, color and turbidity exceeding the Maximum Contaminant Levels (MCL) allowed by the State Health in drinking waters. Its radioactivity gross alpha and beta, and its inorganic chemical analyses passed the MCL. As such this water is demerited for drinking purposes until corrections are made to reduce the above parameters to within the acceptable levels.

Manganese and iron in water may be removed by filtration using a Manganese Zeolite Greensand filter. Color and turbidity of this water were due to the oxides of iron and manganese. Therefore, filtration of the water using the Greensand filter will simultaneously removed the color and turbidity of the water. An alternative treatment, is to use a conventional brine water softening unit. The latter treatment will however, produce high concentration of sodium which may not be good for drinking as well as for agricultural purposes.

If there are any questions regarding this report, please feel free to call or write me personally. Thank you.

SINCERELY,

  
RAY G. ORQUIOLA, CHEMIST