

61.63 mg/L

Top Lab Consulting Services, LLC

P.O. Box 2851
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Report of Analysis

Bernie Kempinski	
107 E. Mingus Road	
New River, AZ 85087	
Phone:	602-510-9102
FAX	
e-Mail	

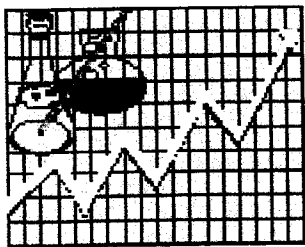
TLC ID #:	2005-018
Report Date:	May 10, 2005
Notes:	

Sample Information			
Description:	Well water	Matrix:	Water
Date Received:	April 27, 2005	Notes:	Client sampled. 520 Miller Ranch Road, Ignacio, CO

Analysis Results

Parameter	Result	Units
Alkalinity	276	mg/L
Chloride	56	mg/L
Color, Odor, Appearance	Clear, colorless, no suspended or settled solids, no odor	
Conductivity	938	µS/cm
Hardness, Total	3.6	gr/gal
Iron, Ferrous (clear water)	None Detected	mg/L
Iron, Total	None Detected	mg/L
Nitrate	0.5	mg/L
pH	6.85	
Salinity	0.5	‰
Sulfate	160	mg/L
Sulfide	None Detected	mg/L
Total Coliform	Negative; no e-coli	
Total Dissolved Solids	461	mg/L


Thomas Thorpe, Owner



TOP LAB CONSULTING SERVICES, LLC

P.O. BOX 2851
PAGOSA SPRINGS, CO 81147

May 10, 2005

Mr. Bernie Kempinski
107 E. Mingus Road
New River, AZ 85087

Dear Mike:

The Report of Analyses for the water sample you collected at 520 Miller Ranch Road in Ignacio, Colorado is attached. The quality of the water is good. Specific comments about the water follow and I've included suggestions to improve the quality of this water.

Comments & Conclusions:

1. No bacteria were detected in the water. The test for Total Coliform was Negative and no E. coli were detected. Periodic (e.g., yearly) testing for Total Coliform could be done to check that the well remains free of microbiological contamination.
2. Total Hardness. This water is "Soft". Treatment to reduce the small amount of water hardness is not necessary.
3. Total Dissolved Solids (TDS), Salinity and Conductivity. The TDS, salinity and conductivity (derived primarily from the chloride, sulfate and alkalinity) are relatively high. This can result in spotting of glassware/dishes and scale formation around faucets and in water heaters and may cause the water to have a "salty taste". High TDS is also associated with high sodium content in the water. If anyone in your household needs to limit their sodium intake, then lowering the TDS of the water is in order.

Reverse osmosis could be used to remove the TDS either for drinking water at the point of use (kitchen faucet, ice maker) or for all water entering the home (Point-of-Entry treatment).

Recommendations:

The quality of your well water can be improved by treating the water with a reverse osmosis system to reduce the dissolved solids, improve water taste, and lower the sodium level of the water.

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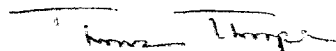
May 10, 2005

I have also enclosed a receipted invoice for your advance payment for this water testing.

Please don't hesitate to call if you have any questions about the analyses, my assessment of them, or if you wish to test the water for arsenic or selenium.

Thank you for using Top Lab Consulting Services.

Sincerely,

A handwritten signature in dark ink, appearing to read "Thomas M. Thorpe", written over a horizontal line.

Thomas M. Thorpe, Owner
Top Lab Consulting Services, LLC