

Complaint: 200113299

Date: 08/16/2005



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PAGES, INCLUDING
COVER

Northeast Colorado Health Department
District Headquarters
700 Columbine Street
Sterling, Colorado 80751
970-522-3741 *ex 234*
FAX 970-522-1412

FACSIMILE TRANSMITTAL SHEET

TO:

John

FROM:

Lynette Sier

COMPANY:

Ad & Sales Commission

DATE:

8/1/07

FAX NUMBER:

PHONE NUMBER

RE:

John

*Here are the test results for Melvin
Nelson's well from 2005. He brought us a
sample for analysis.*

☐ URGENT☒ FOR REVIEW☐ PLEASE REPLY

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DEPARTMENT OF PUBLIC HEALTH & ENVIRONMENT

1555 N. 17th Ave.

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ANALYTICAL REPORT

Recipient: Gordon Stumpf
Northeast Colorado Health Department - Environment
700 Columbine St.
Sterling, CO 80571

Matrix: WATER
Collected: 08/16/2005 8:00
Received: 08/17/2005 11:46
Collection Address: Melvin Nelson
PO Box 117
Peetz, CO 80747

Order#: 0505165

Sample Location: 18852 CR 74
Bathroom

Lab ID: 0505165-002

PWS ID:

Sample ID:

Collected By: Melvin

Test Parameters

Parameter	Flags	Result	Units	MDL	Method	Date Analyzed	Analyst
Chloride		1.800	mg/L	2	4500B	08/18/2005	JK
Hardness, Total		2,530	mg/L	0	2340C	08/18/2005	JK
Nitrate		8.0	mg/L	0.1	4500D	08/18/2005	JK
Sodium	> MCL	180	mg/L	1	3500B	08/18/2005	JK

Very hard water (148grs/gal) with a high chloride level - a poor potable water

Approval:

Cheryl O'Neil
Department of Public Health and Environment



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CASE NARRATIVE

Prepared for:Northeast Colorado Health Department -
Environment

700 Columbine St.

Sterling, CO 80571

Order#: 0505165

Project: private

The following samples were received as indicated below and on the attached Chain of Custody record. All analyses were performed within the holding time and with acceptable quality control results unless otherwise noted.

SAMPLE ID	LAB ID	MATRIX	Date Collected	Date Received
	0505165-001	WATER	08/10/2005	08/17/2005
	0505165-002	WATER	08/16/2005	08/17/2005

Total Hardness: Water with less than 75 mg CaCO₃/L is generally considered soft, and above 75 mg/L is hard. Soaps are more effective in soft water.

Nitrate: The suggested limit for nitrate is 10 mg/L. The occurrence of methemoglobinemia in infants is associated with high levels of nitrates. Methemoglobinemia impairs the ability of the blood to transport adequate amounts of oxygen throughout the body. In water supplies where the level of nitrates is in excess of 10 mg/L, it is recommended that pregnant women and infants, less than one year old, drink bottled water.

Sodium: The suggested limit for sodium is 20 mg/L. There is evidence linking excessive sodium intake to hypertension. Individuals on restricted sodium diets should consult with a physician.

The enclosed results of analyses are representative of the samples as received by the laboratory. Weld County Health Laboratory makes no representations or certifications as to the methods of sample collection, sample identification, or transportation handling procedures used prior to our receipt of samples. To the best of my knowledge, the information contained in this report is accurate and complete.

Approved By:

Department of Public Health and Environment

Date:

8-19-05