

Complaint: 200113299  
Date: 08/16/2005



3  
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 of Gas 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

CONFIDENTIALITY NOTICE: The information contained in this message is confidential information intended for the use of the individual or entity named above. If the reader of this message is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any release, dissemination, distribution, or copying of this communication is prohibited. If you have received this communication in error, please notify the author immediately by replying to this message and delete the original message. Thank you.



**DEPARTMENT OF PUBLIC HEALTH & ENVIRONMENT**

1555 N. 17<sup>th</sup> Ave.  
 Greeley, CO 80631  
 Website: www.co.weld.co.us  
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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  
**Sample Location:** 18852 CR 74  
 Bathroom

**Order#:** 0505165

**PWS ID:**  
**Collected By:** Melvin

**Lab ID:** 0505165-002

**Sample ID:**

**Test Parameters**

<u>Parameter</u>	<u>Flags</u>	<u>Result</u>	<u>Units</u>	<u>MDL</u>	<u>Method</u>	<u>Date</u>	
						<u>Analyzed</u>	<u>Analyst</u>
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:   
 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 CaCO<sub>3</sub>/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