



North Carolina State Laboratory of Public Health  
 Environmental Sciences  
 Inorganic Chemistry  
 Certificate of Analysis

P.O. Box 28047  
 306 N. Wilmington St.  
 Raleigh, NC 27611-8047  
<http://slph.ncpublichealth.com>  
 Phone: 919-733-7834  
 Fax: 919-733-8695

Report To: **JAMES MANHART III**

Name of System:

**HARNETT CO ENVIRONMENTAL HEALTH**

**LEE & JEANETTE HERRING**

**307 CORNELIUS HARNETT BLVD**

**SR 1790 CHICKEN FARM RD  
 DUNN, NC 28334**

**LILLINGTON, NC 27546  
 EIN: 566000306EH**

**Courier # 14-73-01**

StarLiMS ID: **ES021512-0023001**

Date Collected: 02/14/12

Time Collected: 3:00 PM

Date Received: 02/15/12

Collected By: James Manhart

Sample Type:  
 Sample Source: New Well

Sampling Point: Well head  
 Temp. at Receipt: 7.0

Well Permit #:  
 GPS #:

Sample Description:

Comment: No permit # given with sample.

**New Well I (Profile)**

Analyte	Result	Allowable Limit	Unit	Qualifier(s)
Arsenic	< 0.005	0.010	mg/L	
Barium	0.2	2.00	mg/L	
Cadmium	< 0.001	0.005	mg/L	
Calcium	6		mg/L	
Chloride	9.20	250	mg/L	
Chromium	< 0.01	0.10	mg/L	
Copper	< 0.05	1.3	mg/L	
Fluoride	< 0.20	4.00	mg/L	
Iron	< 0.10	0.30	mg/L	
Lead	< 0.005	0.015	mg/L	
Magnesium	4		mg/L	
Manganese	0.03	0.05	mg/L	
Mercury	< 0.0005	0.002	mg/L	
Nitrate	9.00	10.00	mg/L	
Nitrite	< 0.10	1.00	mg/L	
pH	5.0		N/A	
Selenium	< 0.005	0.05	mg/L	
Silver	< 0.05	0.10	mg/L	
Sodium	3.30		mg/L	
Sulfate	< 5.00	250	mg/L	
Total Alkalinity	2		mg/L	
Total Hardness	31		mg/L	
Zinc	< 0.05	5.00	mg/L	

Report Date: 03/09/2012

Reported By: Debbie Moncol



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**Report To:**

**HARNETT CO ENVIRONMENTAL HEALTH  
307 CORNELIUS HARNETT BLVD**

**LILLINGTON, NC 27546  
EIN: 566000306EH**

**Courier # 14-73-01**

**Name of System:**

**LEE & JEANETTE HERRING**

**2501 PARLIAMENT PLACE  
DUNN, NC 28334**

StarLiMS ID: **ES041212-0041001**

Date Collected: 04/11/12

Time Collected: 10:00 AM

Date Received: 04/12/12

Collected By: James Manhart

Sample Type: Raw  
Sample Source: Ground

Sampling Point: Outside spigot  
Temp. at Receipt: 3.5

Well Permit #:  
GPS #:

Sample Description:

Comment: Follow-up sample request for pH and nitrates.

**Nitrate\_Nitrite (Profile)**

Analyte	Result	Allowable Limit	Unit	Qualifier(s)
Nitrate	6.30	10.00	mg/L	
Nitrite	< 0.10	1.00	mg/L	

Report Date: 04/16/2012

Reported By: *Debbie Moncol*

North Carolina  
Public Health



North Carolina Division of Public Health  
Occupational and Environmental Epidemiology Branch, Epidemiology Section  
**INORGANIC CHEMICAL ANALYSIS REPORT**  
Private well water information and recommendations

County: Harnett Name: Henry Sample Id Number: 23001  
Location: \_\_\_\_\_ Reviewer: KMR

**ANALYSIS REPORT**

Your well water was tested for 15 metals, plus nitrates, nitrites, and pH. The results were evaluated using the federal drinking water standards. The pH is a measure of the acidity of the water. Drinking water may contain substances that can occur naturally in water or can be introduced into the water from manmade sources.

**TEST RESULTS AND USE RECOMMENDATIONS**

Your well water meets federal drinking water standards. Your water can be used for drinking, cooking, washing, cleaning, bathing, and showering.

The following substance(s) exceeded federal drinking water standards. Your water can be used for drinking, cooking, washing, cleaning, bathing, and showering, but aesthetic problems such as bad taste, odor, staining of porcelain, etc. may occur. You may want to install a household water treatment system to address aesthetic problems.

Barium	Cadmium	Chromium	Fluoride	Iron	Magnesium
Manganese	Selenium	Silver	Sodium	Zinc	<u>pH</u>

The following substance(s) exceeded federal drinking water standards. We recommend that your well water not be used for drinking and cooking, unless you install a water treatment system to remove the circled substance(s). However, it may be used for washing, cleaning, bathing and showering.

Arsenic	Barium	Cadmium	Chromium	Copper	Fluoride	Lead	Iron	Magnesium
Manganese	Mercury	Nitrate/Nitrite	Selenium	Silver	Sodium	Zinc	pH	

Re-sampling is recommended in 1 months. for nitrate

Re-sample for lead and /or copper. Take a first draw, 5 minute, and 15 minute sample inside the house (preferably the kitchen) and if possible a first draw, 5 minute and a 15 minute sample at the well head to determine the source of the lead and/or copper.

**OTHER CONSIDERATIONS**

Routine well water sampling for the above substances is recommended every two to three years. Sample your well water when there is a known problem or contamination in your area, after repairs or replacement of your well, or after a flooding event. Contact your local health department for sampling instructions.

For further information please contact your county health department or the Occupational and Environmental Epidemiology Branch at 919-707-5900.