



North Carolina State Laboratory Public Health
Environmental Sciences
Microbiology
Certificate of Analysis

P.O. Box 28047
4312 District Drive
Raleigh, NC 27611-8047
<http://slph.ncpublichealth.com>
Phone: 919-733-7308
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Report To:
HARNETT CO ENVIRONMENTAL HEALTH
307 CORNELIUS HARNETT BLVD

LILLINGTON, NC 27546
EIN:566000306EH

Name of System:
STAN AND BETTY TRUSTMAN

10865 210 N
ANGIER, NC 27501

COURIER #: 14-73-01

StarLiMS Sample ID: **ES040314-0042001**



Collected: 04/02/2014 10:00
Received: 04/03/2014 09:30

James E Manhart III
Angela Heybroek

ES Microbiology ID:
GPS Number:

Sample Source: **New Well**
Sampling Point: **Well head**

Well Permit Number:
14-5-33169

Sample Description:
Comment:

Environmental Microbiology - Colilert Profile

Method: SM 9223B

Test Name: Colilert

Analyte	Test Result	Analyst	Date
Total Coliform, Colilert	Absent	Susan Beasley	04/04/2014
<i>E. coli</i> , Colilert	Absent	Susan Beasley	04/04/2014

Report Date: 04/07/2014

Reported By: Susan Beasley

Explanations of Coliform Analysis:

If coliform bacteria are **Absent**, the water is considered safe for drinking purpose. If coliform bacteria are **Present**, the water is considered unsafe for drinking purpose. Presence of *E. coli* (bacteria) generally indicates that the water has been contaminated with fecal material. It must be remembered that a water analysis refers only to the sample received and should not be regarded as a complete report on the water supply.



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

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Report To: **JAMES MANHART III**
HARNETT CO ENVIRONMENTAL HEALTH
307 CORNELIUS HARNETT BLVD

Name of System:
STAN AND BETTY TRUSTMAN

LILLINGTON, NC 27546
EIN: 566000306EH

Courier # 14-73-01

10865 210 N
ANGIER, NC 27501

StarLiMS ID: **ES040314-0027001**

Date Collected: 04/02/14

Time Collected: 10:00 AM

Date Received: 04/03/14

Collected By: James E Manhart III

Sample Type:
Sample Source: New Well

Sampling Point: Well head
Temp. at Receipt: 4.1

Well Permit #: 14-5-33169
GPS #:

Sample Description:
Comment:

New Well I (Profile)

Analyte	Result	Allowable Limit	Unit	Qualifier(s)
Arsenic	< 0.005	0.010	mg/L	
Barium	< 0.1	2.00	mg/L	
Cadmium	< 0.001	0.005	mg/L	
Calcium	14		mg/L	
Chloride	5.50	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	2.90	0.30	mg/L	
Lead	< 0.005	0.015	mg/L	
Magnesium	3		mg/L	
Manganese	0.21	0.05	mg/L	
Mercury	< 0.0005	0.002	mg/L	
Nitrate	< 1.00	10.00	mg/L	
Nitrite	< 0.10	1.00	mg/L	
pH	7.7		N/A	
Selenium	< 0.005	0.05	mg/L	
Silver	< 0.05	0.10	mg/L	
Sodium	11.00		mg/L	
Sulfate	< 5.00	250	mg/L	
Total Alkalinity	65		mg/L	
Total Hardness	48		mg/L	
Zinc	0.21	5.00	mg/L	

Report Date: 04/09/2014

Reported By: Arnold Hall

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: Twistman Sample Id Number: 27001
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	pH

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	<u>Iron</u>	Magnesium
<u>Manganese</u>	Mercury	Nitrate/Nitrite	Selenium	Silver	Sodium	Zinc	pH	

 Re-sampling is recommended in _____ months.

 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.