

**North Carolina State Laboratory of Public Health  
 Department of Health and Human Services  
 P. O. Box 28047 -- 306 N. Wilmington St. -- Raleigh, N. C. 27611-8047**

**INORGANIC CHEMICAL ANALYSIS - PRIVATE WATER SYSTEM**

**Name of System:** Hudson, Steve

**Source of Water:**

**Address:** 3843 NC 55 E  
Dunn, NC

**Zip:** 28334

**Source of Sample:**

**Type of Sample:**

**County:** HARNETT

**Type of Treatment:**

**Report To:** Harnett Co. Health Dept.  
307 Cornelius Harnett Blvd.  
Lillington, NC 27546  
**Courier:** 14-73-01

**ATTN:** Bryan McSwain  
(910) 893-7547

**Type of Analysis:** Private

**Collected By:** B MCSWAIN

**Date:** 1/27/2009

**Time:** 1:20:00 PM

**Location of sampling point:** Spigot at well

**Remarks:** Permit # 08 - 5 - 21088

Parameters	Results	Units	Date Analyzed:
Silver	<0.05	mg/l	1/28/2009
Alkalinity as CaCO3	155	mg/l	1/28/2009
Arsenic	<0.001	mg/l	1/28/2009
Barium	0.2	mg/l	1/28/2009
Calcium	23.6	mg/l	1/28/2009
Cadmium	<0.001	mg/l	1/28/2009
Chloride IC	11	mg/l	1/28/2009
Chromium	<0.01	mg/l	1/28/2009
Copper	<0.05	mg/l	1/28/2009
Fluoride	0.45	mg/l	1/28/2009
Iron	0.11	mg/l	1/28/2009
Hardness as CaCO3 (Ca,Mg)	125	mg/l	1/28/2009
Mercury	<0.0005	mg/l	1/28/2009
Magnesium	16.0	mg/l	1/28/2009
Manganese	0.17	mg/l	1/28/2009
Sodium	26	mg/l	1/28/2009
Nitrite as N	<0.10	mg/l	1/28/2009
Nitrate as N	<1.0	mg/l	1/28/2009
Lead	0.005	mg/l	1/28/2009
pH	7.9	Std. units	1/28/2009
Selenium	<0.005	mg/l	1/28/2009
Sulfate	9	mg/l	1/28/2009
Zinc	<0.05	mg/l	1/28/2009

**Date Received:** 1/28/2009

**Report Date:** 2/10/2009

**Reported By:** *Debra Muncie*

**Today's Date:** 2/11/2009

**Ref:** 1159

**Login Batch:** 09010068

**Sample Number:** AB84413

FEB 13 2009

## Explanations

### Coliform Analysis:

If coliform bacteria are Absent, the water is considered safe for drinking purposes. If coliform bacteria are Present, the water is considered unsafe for drinking purposes. 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.

### Inorganic Analysis:

Recommended limits for drinking water. Sample should not exceed levels listed below.

Alkalinity	No established limits	Iron	0.30 mg/l
Arsenic	0.01 mg/l	Lead	0.015 mg/l
Calcium	No established limits	Magnesium	No established limits
Chloride	250 mg/l	Manganese	0.05 mg/l
Copper	1.3 mg/l	Nitrate	10 mg/l (as N)
Fluoride	4 mg/l	Nitrite	1.0 mg/l (as N)
Hardness	No established limits	pH	Not less than 6.5 units
		Zinc	5.0 mg/l

North Carolina State Laboratory of Public Health  
Department of Health and Human Services  
P. O. Box 28407 - 306 N. Wilmington St. - Raleigh, N. C. 27611-8047

**COLIFORM ANALYSIS - PRIVATE WATER SUPPLY**

**Name of Owner or Tenant:** Hudson, Steve **County:** Harnett  
**Address:** 3843 NC 55 E Dunn, NC **ZIP:** 28334  
**Source:** Well **Type of Sampling Point:** Spigot at well  
**Collected By:** BM **Date:** 1/27/2009 **Time:** 1:20 PM  
**Signed By:** McSwain, Bryan **Analysis Type:** Private

**Report To:** Harnett Co. Health Dept.  
307 Cornelius Harnett Blvd.  
Lillington, NC 27546 (910) 893-7547

**BACTERIOLOGIC ANALYSIS**

<b>CONTAMINANTS</b>	<b>RESULT</b>
Total Coliform (ColilertRoutine)	Absent

**Sample No:** AB16559 **Date Received:** 1/28/2009 **Time Received:** 9:10:00 AM

**Date Reported:** 1/29/2009 **Today's Date:** 1/29/2009

**Comments:** New well permit # 08-5-21088



North Carolina  
Public Health

Harnett Co. Health Dept.  
ATTN: McSwain, Bryan  
307 Cornelius Harnett Blvd.  
Lillington, NC 27546

**Courier 14-73-01**

## Explanations

### Coliform Analysis:

If coliform bacteria are Absent, the water is considered safe for drinking purposes. If coliform bacteria are Present, the water is considered unsafe for drinking purposes. 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.

### Inorganic Analysis:

Recommended limits for drinking water. Sample should not exceed levels listed below.

Alkalinity	No established limits	Iron	0.30 mg/l
Arsenic	0.01 mg/l	Lead	0.015 mg/l
Calcium	No established limits	Magnesium	No established limits
Chloride	250 mg/l	Manganese	0.05 mg/l
Copper	1.3 mg/l	Nitrate	10 mg/l (as N)
Fluoride	4 mg/l	Nitrite	1.0 mg/l (as N)
Hardness	No established limits	pH	Not less than 6.5 units
		Zinc	5.0 mg/l

North Carolina State Laboratory of Public Health  
Department of Health and Human Services  
P. O. Box 28407 - 306 N. Wilmington St. - Raleigh, N. C. 27611-8047

COLIFORM ANALYSIS - PRIVATE WATER SUPPLY

Name of Owner or Tenant: Hudson, Steve County: Harnett  
Address: 3843 NC 55 E Dunn, NC ZIP: 28334  
Source: Well Type of Sampling Point: Spigot at well  
Collected By: BM Date: 1/27/2009 Time: 1:20 PM  
Signed By: McSwain, Bryan Analysis Type: Private

Report To: Harnett Co. Health Dept.  
307 Cornelius Harnett Blvd.  
Lillington, NC 27546 (910) 893-7547

BACTERIOLOGIC ANALYSIS

CONTAMINANTS	RESULT
Total Coliform (ColilertRoutine)	Absent

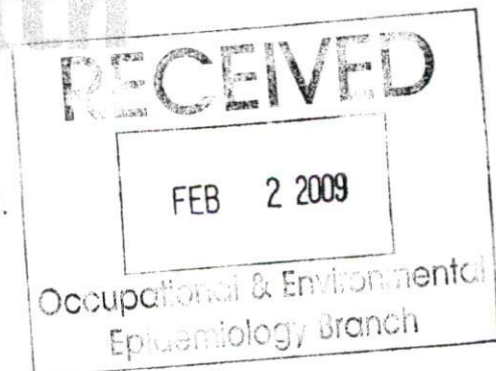
Sample No: AB16559 Date Received: 1/28/2009 Time Received: 9:10:00 AM  
Date Reported: 1/29/2009 Today's Date: 1/29/2009  
Comments: New well permit # 08-5-21088

*Beasley*

North Carolina  
Public Health

Harnett Co. Health Dept.  
ATTN: McSwain, Bryan  
307 Cornelius Harnett Blvd.  
Lillington, NC 27546

Courier 14-73-01



**Information and Recommendations for Uses of Private Well Water  
For Biological Contaminants Found in Water**  
North Carolina Occupational and Environmental Epidemiology Branch (OEEB)  
For Additional Advice and Information call 919-707-5900

Name: Hudson

County: Harnett

Sample Identification Number: AB16559

**Information on Your Private Well Water**

Your well water was laboratory tested for biological contaminants (total coliform and fecal coliform bacteria). Total coliform bacteria are found in soil and fecal coliform bacteria are found in animal and human waste. The presence of total coliform or fecal coliform bacteria in well water indicates that the well may have structural deficiencies or that the well was not properly disinfected.

**Recommendations for Uses of Your Private Well Water**

No coliform bacteria were found in your well water. Therefore, your water could be used for drinking, cooking, washing dishes, bathing, and showering.

Total coliform and/or fecal coliform bacteria were detected in the resample which indicate that pathogenic bacteria from human or animal waste could possibly enter the well. There may be a problem with the construction of the well, the water source, or operation of the well. The water may not be safe. **If you have been drinking the well water and are pregnant, nursing, have a child in the household under 5 years of age, or immunocompromised (such as an individual with AIDS, cancer, hepatitis, dialysis or surgical procedures) inform your physician of the results.** The well needs to be inspected by the local health department or a local well contractor to determine the problem with the well and to give guidance on how to correct the problem. You should resample your water after proper well inspection and disinfection to make certain that the problem does not recur. If the contamination is a recurring problem, you should investigate the feasibility of drilling a new well or installing a point-of-entry disinfection unit which can use chlorine, ultraviolet light, or ozone.

Do not use the water for drinking, cooking, washing dishes, bathing, or showering unless you boil it for at least one minute.

**Other Comments**

---

---