

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: Gillette, David

Source of Water:

Address: 975 Tim Currin Rd  
Lillington, NC

Zip: 27546

Source of Sample:

Type of Sample:

County: HARNETT

Type of Treatment:

Report To: Harnett Co. Health Dept.  
307 Cornelius Harnett Blvd.  
Lillington, NC 27546

ATTN: Bryan McSwain  
(910) 893-7547

Type of Analysis Private

Courier: 14-73-01

Collected By: B MCSWAIN

Date: 12/15/2008

Time: 2:40:00 PM

Location of sampling point: Sampling port at well head

Remarks: Permit # 08 - 5 - 20181

Parameters	Results	Units	Date Analyzed:
Silver	<0.05	mg/l	12/16/2008
Alkalinity as CaCO <sub>3</sub>	88	mg/l	12/16/2008
Arsenic	0.003	mg/l	12/16/2008
Barium	0.3	mg/l	12/16/2008
Calcium	17.7	mg/l	12/16/2008
Cadmium	<0.001	mg/l	12/16/2008
Chromium	<0.01	mg/l	12/16/2008
Copper	<0.05	mg/l	12/16/2008
Fluoride	0.29	mg/l	12/16/2008
Iron	0.19	mg/l	12/16/2008
Hardness as CaCO <sub>3</sub> (Ca,Mg)	77	mg/l	12/16/2008
Mercury	<0.0005	mg/l	12/16/2008
Magnesium	8.0	mg/l	12/16/2008
Manganese	0.14	mg/l	12/16/2008
Sodium	9	mg/l	12/16/2008
Nitrite as N	<0.10	mg/l	12/16/2008
Nitrate as N	<1.0	mg/l	12/16/2008
Lead	<0.005	mg/l	12/16/2008
pH	7.3	Std. units	12/16/2008
Selenium	<0.005	mg/l	12/16/2008
Zinc	0.21	mg/l	12/16/2008

Date Received: 12/16/2008

Report Date: 1/9/2009

Reported By: *M. King*

Today's Date: 1/9/2009

Ref: 17700

Login Batch: 08120040

Sample Number: AB82759

## 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: Gillette, David County: Harnett  
Address: 975 Tim Currin Rd Lillington, NC ZIP: 27546  
Source: Well Type of Sampling Point: Sampling port at well h  
Collected By: BM Date: 12/15/2008 Time: 2:40 PM  
Signed By: McSwain, Bryan Analysis Type: Private

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

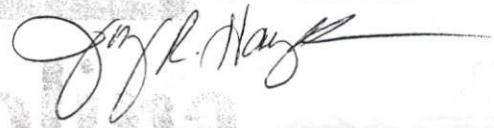
**BACTERIOLOGIC ANALYSIS**

<u>CONTAMINANTS</u>	<u>RESULT</u>
Total Coliform (ColilertRoutine)	Present
Fecal/E. coli	Absent

Sample No: AB15444 Date Received: 12/16/2008 Time Received: 8:45:00 AM

Date Reported: 12/17/2008 Today's Date: 12/17/2008

Comments: New well permit # 08 - 5 - 20181



North Carolina  
Public Health

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

Courier 14-73-01



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P. O. Box 28407 - 306 N. Wilmington St. - Raleigh, N. C. 27611-8047

COLIFORM ANALYSIS - PRIVATE WATER SUPPLY

Name of Owner or Tenant: Gillette, David County: Harnett  
Address: 975 Tim Currin Road Lillington ZIP: 27546  
Source: Well Type of Sampling Point: Outside Spigot  
Collected By: BM Date: 2/5/2009 Time: 11:46 AM  
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: AB16877 Date Received: 2/6/2009 Time Received: 8:00:00 AM  
Date Reported: 2/9/2009 Today's Date: 2/9/2009

Comments:

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

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Department of Health and Human Services  
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**COLIFORM ANALYSIS - PRIVATE WATER SUPPLY**

**Name of Owner or Tenant:** Gillette, David **County:** Harnett  
**Address:** 975 Tim Currin Rd Lillington, NC **ZIP:** 27546  
**Source:** Well **Type of Sampling Point:** Sampling port at well h  
**Collected By:** BM **Date:** 12/15/2008 **Time:** 2:40 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**

<u>CONTAMINANTS</u>	<u>RESULT</u>
Total Coliform (ColilertRoutine)	Present
Fecal/E. coli	Absent

**Sample No:** AB15444 **Date Received:** 12/16/2008 **Time Received:** 8:45:00 AM  
**Date Reported:** 12/17/2008 **Today's Date:** 12/17/2008  
**Comments:** New well permit # 08 - 5 - 20181

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

DEC 18 2008

**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:                     Gillette                     County:                     Harnett                    

Sample Identification Number: ~~AB15444~~                     AB15444                    

**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

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Resample on 2/5/2009

Harnett County Government Complex  
307 Cornelius Harnett Boulevard  
Lillington, NC 27546

ph: 910-893-7547  
fax: 910-893-9371

Bact. rec'd sent w/ letter  
Inorganic rec'd mailed 1/13/09  
1/13/09 - Waiting for call to recheck Bact.  
after chlorination -

Recheck results rec'd 2/10/09 sgs  
mailed 2/10/09

January 6, 2009

David Gillette  
975 Tim Currin Rd  
Lillington, NC 27546

**RE: Bacteriological water sample collected on 12-15-2008**

Dear Mr. Gillette,

The report of your water sample taken for the above address, revealed the presence of coliform. A copy of the water sample report is enclosed.

The enclosed pamphlet provides specific directions about how to disinfect the well. If you have any questions, contact the Aquifer Protection Section at the Fayetteville Regional Office at (910) 433-3300 or contact me at (910) 893-7547.

As soon as the well has been treated, contact the Harnett County Division of Environmental Health so another sample can be taken. No fee will be charged for a second sample if the request is made within thirty (30) days of this letter. After thirty (30) days, the fee for a second sample is \$25.00.

If you have any questions, please call me Monday through Friday between 8:00 and 9:00 a.m. at (910) 893-7547.

Sincerely,

Bryan McSwain, R.S.  
Environmental Health Specialist  
Harnett County Department of Public Health

BM/sgs

Enclosures: Water Sample Report  
How to Disinfect Your Water Well

Bryan - Ms. Gillette  
has called for 2nd  
sample to be taken -  
they are treating well  
tonight - 1/29/09  
sgs