Harnett
COUNTY
NORTH CAROLINA

Division of Environmental Health

www.harnett.org

September 10, 2018

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

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

Jerry Pounds
333 Josie Drive
Benson, NC 27504

RE: Bacteriological water sample collected at: 156 Maude Parker Lane
New Well Permit HTE 18-5-43227

Dear Mr. Pounds,

The report of your water sample taken for bacteria, revealed the presence of Total Coli form. 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 regarding ***disinfection***, contact the Fayetteville Regional Office at (910) 433-3300.

- If you have questions regarding ***results (limitations or levels, specific health hazards)*** etc. they can be directed to the N. C. State Laboratory of Public Health in Raleigh, N. C., Environmental Sciences, and Microbiology Division at (919) 733-7308.

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.

Feel free to contact me with any further questions, or for a resample. I may be reached Monday through Friday between 8:00 and 9:00 a.m. at (910) 893-7547.

Sincerely,

Andrew Currin, R.E.H.S.
Environmental Health Specialist
Harnett County Department of Public Health

AC/sgs

Enclosures: *Water Sample Report*
Biological Analysis Report
How to Disinfect Your Well Instructions

North Carolina Division of Public Health
Occupational and Environmental Epidemiology Branch, Epidemiology Section
BIOLOGICAL ANALYSIS REPORT

Private well water information and recommendations

ES180821-0070

County: Harnett Name: Jerry Pounds Sample ID Number: _____
Location: 156 Maude Parker Ln. Dunn, NC 28334 Reviewer Andrew Currin, REHS

Initial Sample ✓ Confirmation Sample _____

BIOLOGICAL ANALYSIS RESULTS AND RECOMMENDATIONS FOR USES OF YOUR PRIVATE WELL WATER (These recommendations are based on biological analysis only.)

_____ No coliform bacteria were found in your well water. Your water can be used for all purposes including drinking, cooking, washing dishes, bathing and showering.

✓ Total coliform bacteria were detected in the sample which indicates that harmful bacteria from human or animal waste could enter the well. Do not use the water for drinking or cooking unless it has been boiled for 3 minutes. You may use your water for all other purposes including washing dishes, bathing or showering.

✓ Your well water needs to be re-tested to verify that the result is accurate.

_____Fecal coliform bacteria were detected in the sample. Do not use the water for drinking, cooking, washing dishes, bathing or showering.

If the re-test shows contamination by bacteria contact your local health department for assistance. There may be a problem with the construction of the well, the groundwater source, or operation of the well. 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.

Your well water was tested for biological contaminants (total coliform and fecal coliform bacteria). The results were evaluated using the federal drinking water standards.

Drinking water may contain substances that can occur naturally in water or can be introduced into water from man-made sources. Total coliform bacteria are found in soil and fecal coliform bacteria are found in animal and human waste. Total coliform or fecal coliform bacteria in well water indicate that the well may have structural problems or that the well was not properly disinfected.

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 these results at your next visit.

If the contamination continues, you should investigate the possibility of drilling a new well or installing a point-of-entry disinfection unit which can use chlorine, ultraviolet light, or ozone.

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

4312 District Drive
MSC 1918
Raleigh, NC 27699-1918

http://slph.ncpublichealth.com
Phone: 919-733-7308
Fax: 919-715-8611

North Carolina State Laboratory of Public Health

Environmental Sciences

Microbiology

Certificate of Analysis

FINAL REPORT

Report to: ANDREW CURRIN

HARNETT CO ENVIRONMENTAL HEALTH
307 CORNELIUS HARNETT BLVD
Lillington, NC 27546

Name of System:

Jerry Pounds
156 Maude Parker Ln.
Dunn, NC 28334

EIN: 566000306EH **Delivery: NC Courier** **Harnett County**

StarLiMS ID: **ES180821-0070**

Date Collected: 08/20/2018 Time Collected: 14:00 By: Andrew Currin
Date Received: 08/21/2018 Time Received: 08:18 By: Angela Heybroek

Sample Source: New Well
Sample Type:
Treatment:

Sampling Point: Well head
GPS No.
Well Permit No. 18-5-43227

Comment:

Colilert Profile **Method: SM 9223B**

Analyte	Test Result	Unit	Conclusion	Date Tested
Total Coliform	Present			08/21/2018
E. coli	Absent			08/21/2018

Report Date: 08/23/2018 **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

4312 District Drive
MSC 1918
Raleigh, NC 27699-1918

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Certificate of Analysis

FINAL REPORT

Report to: **ANDREW CURRIN**

HARNETT CO ENVIRONMENTAL HEALTH
307 CORNELIUS HARNETT BLVD
LILLINGTON, NC 27546

Name of System:

Jerry Pounds
156 Maude Parker Lane
Dunn, NC 28334

EIN: 566000306EH **Delivery:** **NC Courier**

StarLiMS ID: ES180821-0033
Date Collected: 08/20/2018 Time Collected: 14:00 By: Andrew Currin
Date Received: 08/21/2018 Time Received: 07:50

Sample Type: Raw
Sample Source: New Well
Sampling Point: Well head
Receipt Temp. : 4.4 °C
Well Permit No. 18-5-43227
GPS No.

Comment:

Profile: New Well I

Analyte	Test Result	Allowable Limit	Unit	Qualifier(s)
Arsenic	<0.005	0.010	mg/L	
Barium	0.19	2.0	mg/L	
Cadmium	<0.001	0.005	mg/L	
Calcium	6		mg/L	
Chloride	9.36	250	mg/L	
Chromium	<0.01	0.10	mg/L	
Copper	<0.05	1.3	mg/L	
Fluoride	<0.2	4	mg/L	
Iron	0.25	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	9.37	10.0	mg/L	
Nitrite	<0.1	1.00	mg/L	
pH	4.4		N/A	
Selenium	<0.005	0.05	mg/L	
Silver	<0.05	0.10	mg/L	
Sodium	3.5		mg/L	
Sulfate	<5	250	mg/L	
Total Alkalinity	<1		mg/L	
Total Hardness	31		mg/L	
Zinc	0.12	5.00	mg/L	

Report Date: 08/30/2018 **Reported By:** Debbie Moncol

N O R T H C A R O L I N A

nc department of health and human services

Private Well Information and Use Recommendations

For Inorganic Chemical Contaminants

County: Harnett

Name: Jerry Pounds location 7

Sample ID #: ES180821-0033

Andrew Corrin, REHS

Reviewer: 156 Maude Parker Ln. Dunn, NC 28334

TEST RESULTS AND USE RECOMMENDATIONS

1. ☑ Your well water meets federal drinking water standards ***for inorganic chemicals***. Your water can be used for drinking, cooking, washing, cleaning, bathing, and showering based on the ***inorganic chemical results only***. You may have other water sampling results that are not taken into account in this report.

2. ☐ The following substance(s) exceeded federal drinking water standards or the North Carolina 2L calculated health levels. The North Carolina Division of Public Health recommends 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 based on the ***inorganic chemical results only***.

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

3. ☐ a. Sodium levels exceed the U.S. Environmental Protection Agency's (USEPA) Health Advisory level for sodium of 20 mg/l. The North Carolina Division of Public Health recommends that only individuals on no or low sodium restricted diets not use this water for drinking or cooking. It may be used for washing, cleaning, bathing, and showering based on the ***inorganic chemical results only***.

☐ b. Levels over 30 mg/l may pose aesthetic problems such as bad taste, odor, staining of porcelain, etc.

4. ☐ Re-sampling is recommended in _____ months.

5. ☐ 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.

6. ☐ The following substance(s) exceeded federal drinking water standards. Your water can be used for drinking, cooking, washing, cleaning, bathing, and showering based on the ***inorganic chemical results only***, 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	pH	Zinc	

For more information regarding your well water results, please call the North Carolina Division of Public Health at 919-707-5900.