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
Fax: 919-715-8611

**Report To:**
**IREDELL CO ENVIRONMENTAL HEALTH DEPT - STATE**
**349 N. CENTER STREET**

**STATESVILLE, NC 28677**
**EIN:566000309EH**

**COURIER #: 09-36-07**

**Name of System:**
**KENNETH GRANT**

**380 LITTLE WILKESBORO RD**
**HARMONY, NC 28634**

StarLiMS Sample ID: **ES081214-0086001**

Collected: 08/11/2014 13:15
Received: 08/12/2014 08:45

**Justin Henderson**
**Angela Heybroek**

ES Microbiology ID:
GPS Number:

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

Well Permit Number:
**165934**

Sample Description:
Comment:

**Environmental Microbiology - Colilert Profile**

**Method:** SM 9223B

**Test Name: Colilert**

| Analyte | Test Result | Analyst | Date |
|---|---|---|---|
| Total Coliform, Colilert | Absent | Darneice Owens | 08/13/2014 |
| *E. coli*, Colilert | Absent | Darneice Owens | 08/13/2014 |

**Report Date:** 08/15/2014

**Reported By:** Susan Beasley

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

P.O. Box 28047
4312 District Drive
Raleigh, NC 27611-8047
http://slph.ncpublichealth.com
Phone: 919-733-7308
Fax: 919-715-8611

**Report To:** JUSTIN HENDERSON

IREDELL CO ENVIRONMENTAL HEALTH DEPT - STA
349 N. CENTER STREET

STATESVILLE, NC 28677
EIN: 566000309EH

**Courier # 09-36-07**

**Name of System:**

KENNETH GRANT

380 LITTLE WILKESBORO RD
HARMONY, NC 28634

StarLiMS ID: **ES081214-0062001**

Date Collected: 08/11/14
Date Received: 08/12/14

Time Collected: 1:15 PM
Collected By: Justin Henderson

Sample Type:
Sample Source: New Well

Sampling Point: Well head
Temp. at Receipt: 1.3

Well Permit #: 165934
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 | 8 | | mg/L | |
| Chloride | < 5.00 | 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 | 0.18 | 0.30 | mg/L | |
| Lead | < 0.005 | 0.015 | mg/L | |
| Magnesium | 3 | | mg/L | |
| Manganese | < 0.03 | 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 | 7.5 | | N/A | |
| Selenium | < 0.005 | 0.05 | mg/L | |
| Silver | < 0.05 | 0.10 | mg/L | |
| Sodium | 6.40 | | mg/L | |
| Sulfate | < 5.00 | 250 | mg/L | |
| Total Alkalinity | 41 | | mg/L | |
| Total Hardness | 31 | | mg/L | |
| Zinc | < 0.05 | 5.00 | mg/L | |

**Report Date:** 08/20/2014

**Reported By:** *Arnold Hall*