



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

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Report To: ANDREW CURRIN

Name of System:

HARNETT CO ENVIRONMENTAL HEALTH
 307 CORNELIUS HARNETT BLVD

KEN DAWSON HOMES, INC

LILLINGTON, NC 27546
 EIN: 566000306EH

Courier # 14-73-01

278 BRYAN MCLAMB LANE
 DUNN, NC 28334

StarLiMS ID: ES050118-0118001

Date Collected: 04/30/18

Time Collected: 12:00 PM

Date Received: 05/01/18

Collected By: Andrew Currin

Sample Type: Raw
 Sample Source: New Well

Sampling Point: Well head
 Temp. at Receipt: 4.5

Well Permit #: 17-5-42671
 GPS #:

Sample Description:
 Comment:

New Well I (Profile)

Analyte	Result	Allowable Limit	Unit	Qualifier(s)
Arsenic	< 0.005	0.010	mg/L	
Barium	0.250	2.00	mg/L	
Cadmium	< 0.001	0.005	mg/L	
Calcium	7		mg/L	
Chloride	13.00	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	2.20	0.30	mg/L	
Lead	0.006	0.015	mg/L	
Magnesium	4		mg/L	
Manganese	0.140	0.05	mg/L	
Mercury	< 0.0005	0.002	mg/L	
Nitrate	7.40	10.00	mg/L	
Nitrite	< 0.1	1.00	mg/L	
pH	4.0		N/A	
Selenium	< 0.005	0.05	mg/L	
Silver	< 0.05	0.10	mg/L	
Sodium	2.00		mg/L	
Sulfate	< 5.00	250	mg/L	
Total Alkalinity	< 1		mg/L	
Total Hardness	35		mg/L	
Zinc	< 0.05	5.00	mg/L	

Report Date: 05/10/2018

Reported By: Debbie Moncol



Private Well Information and Use Recommendations

For Inorganic Chemical Contaminants

County: Harnett

Name: Ken Dawson Homes, Inc.

Sample ID #: ES050118-0118001

Reviewer: Andrew Curran, NCHS

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	<u>Iron</u>	Magnesium
<u>Manganese</u>	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.

The Environmental Protection Agency (EPA) considers Iron, Manganese as secondary contaminants which means it does NOT have a direct impact on health.