

Caret Cellars & Vineyard

Well Permit & Completion Report Summary

This summary explains the property's well permit and completion report in plain terms.

The Permit

Essex County approved a well permit for this property on January 22, 2007 (ID 128-06-0335). The well was approved to be drilled at least 100 feet deep.

The Well

The well was drilled and completed on May 2, 2008, by a licensed Virginia contractor. It reaches 565 feet deep, with water sitting at 180 feet.

The Ground It Was Drilled Through

The drilling log shows mostly clay, sand, and marl at increasing depth, typical of this area.

Safety

The well was disinfected after construction, as required by the state.

How It's Used

The well is registered as a private domestic well.

Sign-Off

The contractor signed a certification confirming the well was built to code.

Bottom line: This property has a permitted, properly built, working well.



VIRGINIA DEPARTMENT
OF HEALTH
Protecting You and Your Environment

Essex County Health Department

P.O. Box 206

Tappahannock, Virginia 22560

(804) 443-4076 Voice

(804) 443-2377 Fax

Private Well Construction Permit

Health Department ID Number: **128-06-0335**

Owner / Agent Information
Owner: THOMPSON, RICHARD 2806 BROOKE ROAD Stafford, Virginia 22554 Owner Phone: (540) 720-3936
Location Information
Property Address: MOUNT LANDING MEADOWS Locality: Essex Directions: 17 N., lft. on Essex Church Rd., lft. on Belmont, lft. by cell tower
General Information
Well Class: Class IIIA Minimum Casing Depth: 100 feet Minimum Grout Depth: 20 feet

Comments:

Construction documentation and a water sample negative for coliform bacteria is required for approval of all potable water wells (Classes IIIA, B or C).

Class IIIA or IIIB wells must be 50'+ from all actual and potential sources of contamination including all parts of all sewage disposal systems, soil-poisoned foundations, underground petroleum tanks, cemeteries, feedlots, etc.

Please contact the Health Dept. between 8 and 9 a.m. on the day of drilling.

This permit is issued based upon a site evaluation conducted by Don Thomas, EHS on January 19, 2007. See following page for Construction Drawing.

Notice: The Virginia Department of Health may revoke or modify this permit if, at a later date, it finds the conditions that formed the basis for issuing the permit do not substantially comply with the *Private Well Regulations*, 12 VAC 5-630-10 et seq., or if the well would threaten public health or the environment.

Well Construction Permit -- Drawing

HD ID #: 128-06-0335

Owner Information

THOMPSON, RICHARD

Phone: (540) 720-3936

2806 BROOKE ROAD

Stafford, Virginia 22554

Construction Drawing

Scale drawing of the well site and related features.

[SEE PAGE 3 OF 3](#)

Show the property lines, all existing and proposed structures, existing and proposed sewage systems and water supplies, slope, and any topographic features which may impact the design of the well.

Don Thomas EHS

January 22, 2007

July 22, 2011

Issued by: Don Thomas

Issue Date

Expiration Date

Construction Drawing

HDID 128.06.335

Well Setbacks:

50' from chemically soil poisoned foundations
50' from wastewater disposal system
50' from UG fuel storage tanks
10' from building with other termite treatment
The Homeowner/welldriller is to contact the health department with the expected well construction date (804-443-4076).

The Homeowner must provide the following to the health department for issuance of a Record of Inspection:

1. Proper Well construction documentation; and
 2. Water sample negative for the coliform bacteria.
- Note that the well driller will not perform the water sample unless specifically contracted to do so.

Install:
IIIA well 100' + cased, 20' grout

LOT 2
45 +/- AC.

MEADOW LANE

New IIIA Well
(to be used as irrigation
at present)

300'

300'

Proposed
Building

Cell Tower

BELMONT RD.

to Essex
Church Rd.

Site Evaluation Conducted by: Don Thomas, EHSS
System Design by: Don Thomas, EHSS

Don Thomas, EHSS

January 22, 2007

Issue Date

July 22, 2011

Expiration Date

Page 3 of a 3 page well permit

Commonwealth of Virginia

Uniform Water Well Completion Report

Owner	<u>Richard Thompson</u>	Tax Map ID	<u>24-21-2</u>
Address	<u>2808 Brooke Road</u>	VDH Permit	<u>128-06-0335</u>
	<u>Stafford, VA 22554</u>	VWCB Permit	
Phone		VWCB ID	
Location	<u>Caret</u>	County	<u>Essex Co</u>

◆ Well Data ◆

General Information

Drilling Method	<u>Mud Rotary</u>	Date Completed	<u>5/2/08</u>	Total Depth of Well	<u>565</u>
Depth to Bedrock	<u>565</u>	Yield	<u>60 (GPM)</u>	Length of Test	<u>3 hrs</u>
Static Water Level	<u>180</u>	Stabilized Water Level	<u>180</u>	Natural Flow (Rate)	<u>60</u>
Well Disinfected (Y or N)	<u>Yes</u>	Disinfectant Used	<u>HTH</u>	Amount Used	<u>10 oz</u>

Casing

From	<u>0</u>	to	<u>480</u>	Size	<u>4.5</u>	Material	<u>PVC</u>	Weight/Schedule	<u>SDR-17</u>
From	<u>410</u>	to	<u>525</u>	Size	<u>2</u>	Material	<u>Galvanized</u>	Weight/Schedule	<u>Steel</u>
From	<u>525</u>	to	<u>565</u>	Size	<u>2</u>	Material	<u>Screen</u>	Weight/Schedule	<u>Stainless Steel</u>

Gravel Pack

From to

Grout

From 0 to 50

Bore Hole Size 9

Type Bentonite

Method Dumped

Water Zones or Screened Intervals

From 525 to 565

Mesh Size 016 Diam. 2

◆ Use Data ◆

Private Well:	Domestic	☒	Agricultural	☐	Industrial	☐	Monitoring	☐
Public Well:	Community	☐	Non Community	☐				

