

C1 3124

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

1 2 3 4 5 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

COUNTY NUMBER A517336

ST/CO USE ONLY

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE RECEIVED MM DD YY

4 4 2008

22 280 26 4/30/08

HO - 95 - 1545

OWNER: Warfield Jr. Kennard; STREET OR RFD: Road B; TOWN: Dayton; SUBDIVISION: The Warfields II; SECTION: 2; LOT: 32

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (Use additional sheets if needed)

FEET

check if water bearing

Table with columns for Description, Feet (From/To), and Check if water bearing. Includes entries for Sand (0-40) and Gray Mica Rock (40-280).

GROUTING RECORD

WELL HAS BEEN GROUTED (Y/N); TYPE OF GROUTING MATERIAL (CM/BC); NO. OF BAGS; NO. OF POUNDS; GALLONS OF WATER; DEPTH OF GROUT SEAL

CASING RECORD

casings types insert appropriate code below (ST/CO/PL/OT); MAIN CASING TYPE (ST); Nominal diameter top (main) casing (6); Total depth of main casing (47)

OTHER CASING (if used)

Table for other casing with columns for diameter and depth.

SCREEN RECORD

screen type or open hole (ST/BR/PL/PL/OT); insert appropriate code below

DEPTH (nearest ft.)

Table showing depth measurements at various intervals (8, 11, 15, 17, 21, 23, 24, 26, 30, 32, 36, 38, 39, 41, 45, 47, 51).

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) (E.R.O.S.)

TELESCOPE CASING; LOG INDICATOR; OTHER DATA

C 3

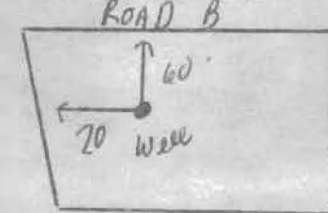
PUMPING TEST

HOURS PUMPED (3); PUMPING RATE (20); METHOD USED TO MEASURE PUMPING RATE (Bucket); WATER LEVEL (24 ft before, 58 ft when pumping); TYPE OF PUMP USED (S - submersible)

PUMP INSTALLED

DRILLER INSTALLED PUMP (YES/NO); TYPE OF PUMP INSTALLED (S); CAPACITY: GALLONS PER MINUTE (31); PUMP HORSE POWER (37); PUMP COLUMN LENGTH (43); CASING HEIGHT (2)

LOCATION OF WELL ON LOT; SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)



NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED (Y/N)

- CIRCLE APPROPRIATE LETTER: A (abandoned), E (electric log), P (test well converted to production well)

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS LIC. NO. 1 M SD 024; DRILLERS SIGNATURE: Jack & Mayne

LIC. NO. 1 MS D 022; SIGNATURE: Campbell Markle

SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

B 1 1063  
1 2 3 6

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND  
APPLICATION FOR PERMIT TO DRILL WELL  
528437 please type

STATE PERMIT NUMBER  
40-95-1545  
70 fill in this form completely 79

Date Received (APA)  
OWNER INFORMATION  
8 MM DD YY 13  
15 Last Name Owner First Name 34  
36 Street or RFD 55  
57 Town 70 State 72 Zip 76  
Warfield Jr Kennard  
P.O. Box 30  
Glennelg Md 21737

B 3 LOCATION OF WELL  
8 COUNTY 21  
23 SUBDIVISION 42  
SECTION 44 46 LOT 48 50  
52 NEAREST TOWN 71  
MILES FROM TOWN (enter 0 if in town) 4 M I  
73 76 77 78

DRILLER INFORMATION  
76 Driller's Name License No. 81  
Firm Name  
Address  
Signature Date  
Joseph L Mayne M S D 024  
Joseph L Mayne Well Drilling  
5512 Ridge Rd Mt. Airy Md 21111  
Joseph L Mayne 12-19-2007

B 4  
1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  
11 NEAR WHAT ROAD 30  
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
34 25 37 DISTANCE FROM ROAD FT  
ENTER FT OR MI 38 39  
TAX MAP: 21 BLK: 23 PARCEL 114

B 2 WELL INFORMATION  
1 2 APPROX. PUMPING RATE (GAL. PER MIN.) 8 12  
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20  
5  
500

USE FOR WATER (CIRCLE APPROPRIATE BOX)  
22  
 DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION  
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)  
 INDUSTRIAL, COMMERCIAL, DEWATERING  
 PUBLIC WATER SUPPLY WELL  
 TEST, OBSERVATION, MONITORING  
 GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL  
Howard (13) A 517336  
COUNTY NAME COUNTY NO.  
STATE SIGNATURE INSERT S → 41  
DATE ISSUED 2/13/08  
43 MM DD YY 48 CO SIGNATURE EXP. DATE  
NORTH GRID 515 000 EAST GRID 0795 000  
50 55 57 63

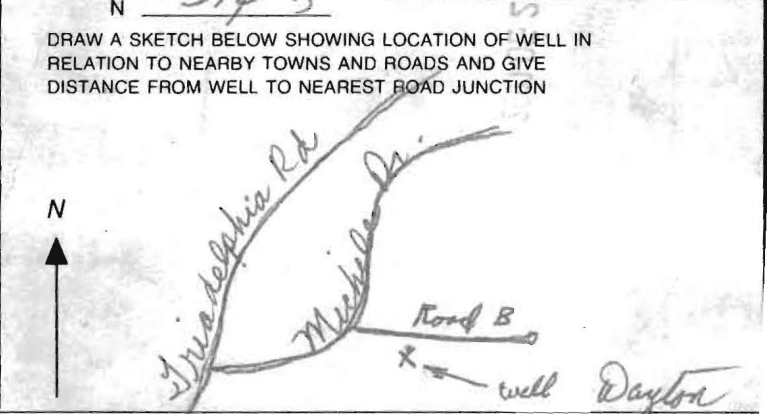
APPROXIMATE DEPTH OF WELL 24 28 FEET  
APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X  
SOURCES OF DRILLING WATER  
1. Well  
2.  
3.  
WRITE THE BOX NUMBER FROM THE MAP HERE  
E 79 5  
N 51 5  
000  
000  
4/4/08 TDS sample collected @ well  
X KN

METHOD OF DRILLING (circle one)  
30 BORED (or Augered) JETTED Jetted & DRIVEN  
AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary)  
37 CABLE REVerse-ROTary Drive-POINT  
other

REPLACEMENT OR DEEPEINED WELLS (CIRCLE APPROPRIATE BOX)  
39  
 THIS WELL WILL NOT REPLACE AN EXISTING WELL  
 THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED  
 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS  
 THIS WELL WILL DEEPEIN AN EXISTING WELL  
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) 41 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)  
APPROP. PERMIT NUMBER H0 2006G 009  
PERMIT No. H0-95-1545  
70 71 72 73 74 75 76 77 78 79

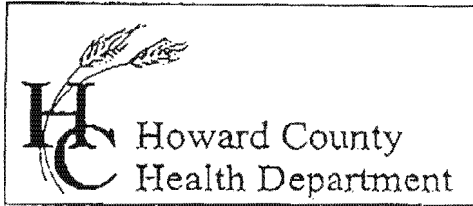


SPECIAL CONDITIONS Drill the Southern most Alt. well  
NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

First.







7178 Columbia Gateway Drive, Columbia, MD 21046  
 (410) 313-2640 Fax (410) 313-2648  
 TDD (410) 313-2323 Toll Free 1-866-313-6300  
 website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

TO ALL INTERESTED PARTIES

When submitting a well permit application for a proposed well for new construction, please indicate one of the following:

Well Site Location:

The Warfield II      14 lots      Michelle Dr + Road B  
 Subdivision/Property Name      Lot#      Road Name

The well site has been staked by Fish Collins & Lester  
 (professional land surveyor or company employing professional land surveyors)  
 on 12-2007 (date) and does not require a site inspection.

The well driller, builder or property owner will call the Health Department to schedule a time to meet in the field to verify the proposed well site location.

This sheet, along with two copies of an acceptable well site plan, must be attached to the green well permit application.

Revised 3/11/05

(34)

Lot 31, 32, 33, 35, 36, 37, 38, 39, 40,  
 41, 42, 43, 44, 48,  
 (45-47)

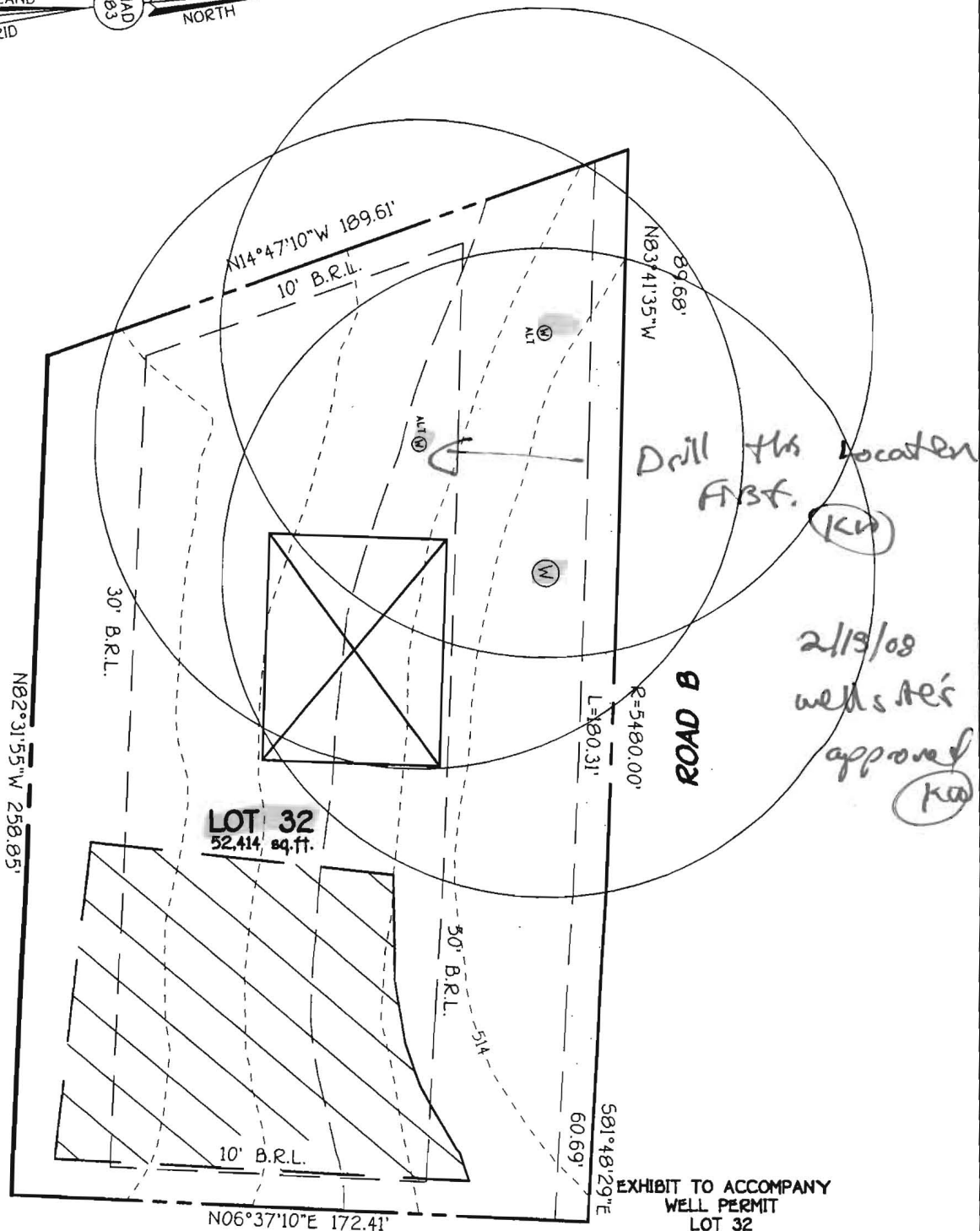
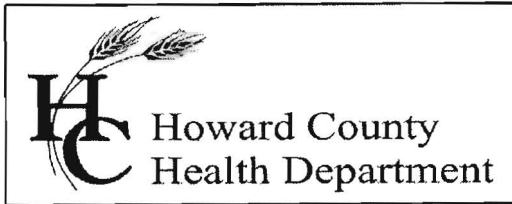


EXHIBIT TO ACCOMPANY  
WELL PERMIT

LOT 32  
THE WARFIELDS II  
SECTION TWO  
Lots 6 Thru 68,  
Cemetery Open Space Lot 69, And  
Buildable Preservation Parcel 'A' And  
Non-Buildable Preservation Parcels 'B', Thru 'I'  
Tax Map: 21, Grid 23, Parcel: 55  
Tax Map: 27, Grid 5, Parcels: 56, 109 And 144  
Fourth Election District  
Howard County, Maryland  
Date: December 6, 2007  
F-07-040

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
ELLICOTT CITY, MARYLAND 21042  
(410) 461 - 2955

K:\Drawings 3\30310 Warfield Homestead\DWG\30310 Well Exhibit War II Section 2 Lot 32.dwg, 12/7/2007 12:22:58 PM



Bureau of Environmental Health

8930 Stanford Blvd., Columbia, MD 21045  
Main: 410-313-2640 | Fax: 410-313-2648  
TDD 410-313-2323 | Toll Free 1-866-313-6300  
www.hchealth.org  
Facebook: www.facebook.com/hocohealth  
Twitter: HowardCoHealthDep

Maura J. Rossman, M.D., Health Officer

**INTERIM CERTIFICATE OF POTABILITY**

**Expiration Date – NOVEMBER 14, 2015**

May 14, 2015

Homeowner  
14706 Lear Court  
Glenelg, MD 21737

**RE:** Warfields II, Lot 32  
14706 Lear Court  
**Building Permit: B14004413**  
**Well Permit: HO-95-1545**

Dear Homeowner:

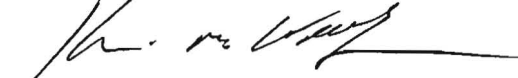
This is to advise you that the septic system installation and water well construction for the above referenced property have been inspected and approved. Final approval of the septic system was granted on 5/14/2015. Final approval of the well line connection to the dwelling was granted on 4/16/2015. The well construction was completed on 4/4/2008. Water samples were collected on 5/6/2015.

The water sample results indicate that the water samples submitted for testing were free of coliform and fecal coliform bacteria at the time of sampling and are bacteriologically safe for drinking. This certifies that the initial sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit HO-95-1545. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies.

This Interim Certificate of Potability will expire **six months** from the date of issuance. Submission of a second bacteriological test indicating the water is free of coliform and fecal coliform bacteria is required prior to the expiration date, after which time a Final Certificate of Potability will be issued. **Failure to submit an additional sample and obtain a Final Certificate of Potability will result in a Notice of Violation and is punishable as a misdemeanor under the Annotated Code of Maryland, Environment Article, 9-1311, subject to a fine of up to \$500 or imprisonment not to exceed three months.**

Please contact (410) 313-1773 to schedule a final water sample appointment or contact a Maryland certified water laboratory to schedule a water sample. A list of laboratories certified by the state of Maryland may be found at the following website:  
<http://www.mde.state.md.us/assets/document/WSP-Labs-2010apr16.pdf>

Approving Authority,

A handwritten signature in black ink, appearing to read 'Kevin M. Wolf', with a long horizontal stroke extending to the right.

Kevin M. Wolf, EHS Supervisor  
Environmental Health Specialist  
Well & Septic Program

cc: Howard County Dept. of Inspections, Licenses, and Permits  
Community Hygiene Program  
File

**HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
WELL & SEPTIC PROGRAM  
TEL: (410)313-1771 FAX: (410)313-2648**

**Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping**

**NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.**

Company Name: Robert L. Feezer Co. Telephone #: 410-781-4655  
Address: 6321 Barnett Avenue  
Sykesville, MD 21784

(Must circle one) Licensed Plumber      Licensed Well Driller      Licensed Well Pump Installer  
License # and name of individual responsible for the field installation:

Name (Print): Joshua Henricks License# PI0173

**\*A licensed individual must perform the actual installation. Apprentices must be under the supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification. Unlicensed individuals may be reported to the appropriate licensing agency.**

Name of Property Owner: NV Homes Telephone #: 410-379-5956  
Subdivision: Warfield Estates II Lot #: 8032 Well Tag #: HO - 95 - 1545  
Site Address: 14706 Lear Court  
Glenelg, MD 21737

**Submersible Pump Data**

Make: Berkeley  
Model #: B7P4MS07221  
Pump Capacity 7 GPM  
Well Yield: 20 GPM

**Pitless Adapter**

Make: Boshart  
Model#: P-100-SS  
Depth: 42" (36" min)  
NSF/WSC approved: Yes

**Well Cap and Electric Conduit**

Two piece watertight cap: Yes  
Screened, vented well cap: Yes  
Cap secured to casing: Yes  
Conduit min 18" B.G.: Yes

Depth of well encountered at time of pump installation: 280 (feet) Conduit secured to well cap: Yes

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4

Torque arrestors, Cable guards, or other acceptable method used- Must circle one

Safety rope, if used, attached to brass rope adapter or other acceptable method inside of well casing N/A

**Piping to house**

Type: Poly  
PSI: 200 (160 psi min)  
Depth of supply line: 42" (36" min)

**House Connection**

PVC sleeve to undisturbed soil at wall penetration: Yes  
Length of sleeve(5' minimum from foundation): 10'  
Sleeve sealed properly: Yes

**The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.**

Joshua Henricks      March 31, 2015  
Signature of company representative responsible for installation      date

**For Health Department Use Only – Not to be completed by Installer**

Date Insp. Requested: \_\_\_\_\_ Date Insp. Approved: 4/16/15 Inspector: PBB  
Inspection Data: Pitless adapter watertight & water supply line at least 36" below grade   
Two piece cap installed and attached to casing securely   
Elec. conduit extends at least 18" below grade/attached to cap properly   
Safety rope not outside of well cap/casing   
Correct well tag attached properly and casing 8" above finished grade   
Water supply line sleeved adequately at house connection   
Adequate grout observed below pitless adapter

**HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
WELL & SEPTIC PROGRAM  
TEL: (410)313-1771 FAX: (410)313-2648**

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Subdivision: Warfield Estates II Lot #: 8032 Well Tag #: HO - 95 - 1545  
Site Address: 14706 Lear Court  
Glenelg, MD 21737

<b><u>Submersible Pump Data</u></b>	<b><u>Pitless Adapter</u></b>	<b><u>Well Cap and Electric Conduit</u></b>
Make: <u>Berkeley</u>	Make: <u>Boshart</u>	Two piece watertight cap: <u>Yes</u>
Model #: <u>B7P4MS07221</u>	Model#: <u>P-100-SS</u>	Screened, vented well cap: <u>Yes</u>
Pump Capacity <u>7</u> GPM	Depth: <u>42"</u> (36" min)	Cap secured to casing: <u>Yes</u>
Well Yield: <u>20</u> GPM	NSF/WSC approved: <u>Yes</u>	Conduit min 18" B.G.: <u>Yes</u>
Depth of well encountered at time of pump installation: <u>280</u> (feet)		Conduit secured to well cap: <u>Yes</u>
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4		
Torque arrestors, Cable guards, or other acceptable method used- Must circle one		
Safety rope, if used, attached to brass rope adapter or other acceptable method <u>inside of well casing</u> <i>N/A</i>		

<b><u>Piping to house</u></b>	<b><u>House Connection</u></b>
Type: <u>Poly</u>	PVC sleeve to undisturbed soil at wall penetration: <u>Yes</u>
PSI: <u>200</u> (160 psi min)	Length of sleeve(5' minimum from foundation): <u>10'</u>
Depth of supply line: <u>42"</u> (36" min)	Sleeve sealed properly: <u>Yes</u>

**The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.**

Joshua Henricks      March 31, 2015  
Signature of company representative responsible for installation      date

**For Health Department Use Only – Not to be completed by Installer**

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Two piece cap installed and attached to casing securely \_\_\_\_\_  
Elec. conduit extends at least 18" below grade/attached to cap properly \_\_\_\_\_  
Safety rope not outside of well cap/casing \_\_\_\_\_  
Correct well tag attached properly and casing 8" above finished grade \_\_\_\_\_  
Water supply line sleeved adequately at house connection \_\_\_\_\_  
Adequate grout observed below pitless adapter \_\_\_\_\_

# Water Testing Laboratories

P.O. Box 712  
Stevensville, MD 21666  
410-643-7711

of Maryland, Inc.

NVHomes  
9720 Patuxent Woods Drive  
Columbia, Md 21046

Reporting Date: 5/8/2015  
Report #: M2769

Submitted Sample Address: Warfields  
14706 Lear Court  
Glenelg, Md 21737  
Submitted Sample Source: Laundry Room Sink  
Date / Time Collected: 5/6/2015 09:05 AM  
Sample Type: Drinking Water  
Sampler/Company: K. Lee 4827KL, WTL of MD  
Field Record: Chlorine residual: Absent Clear when drawn pH: 7.0  
Well #: HO-95-1545  
Permit #: B14004413

OK  
←

## Analytical Results

Parameter	Result	Units	Report Limit	MCL	MCL Type
Total Coliform Bacteria	Absent	Coliforms/100 ml	Present/Absent	Present	EPA Primary
<i>E. Coli</i> Bacteria	Absent	Coliforms/100 ml	Present/Absent	Present	EPA Primary
Nitrate as N	8.5	mg/L	0.5	10	EPA Primary
Sand	Absent	P/A	Present/Absent	---	---
Turbidity	1.5	NTU	0.5	10 <sup>TT</sup>	EPA Action Level

Notes:

- Bacteriological analysis of this sample indicates this water is  safe for human consumption.
- MCL - Maximum Contaminant Level
- ND - Not Detected.
- TT - Treatment Technique: A required process intended to reduce the level of a contamination that is allowed in drinking water. County health departments require that for new wells, turbidity must be below 10 NTU for Use and Occupancy permits.
- MCL Type -  
  - EPA Primary:** The maximum contaminant level which is the highest level of contaminant that is allowed in drinking water. Primary MCLs are enforceable standards.
  - EPA Secondary:** Non enforceable guidelines regulating contaminants that cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste or odor) in drinking water.
  - Action Level:** Defined in treatment techniques which are required processes intended to reduce the level of a contaminant in drinking water.
- We certify that the analyses performed for this report are accurate, and that the laboratory tests were conducted by methods approved by the US Environmental Protection Agency or variations of these EPA methods. These test results may not be used for regulatory compliance.

Reported by,

*Christen Rodgers*

C. Rodgers, Customer Service Representative

Reviewed by: SNB