

C1 6972

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

COUNTY NUMBER A 516902

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO - 95 - 1042

OWNER Highland Development Corporation
STREET OR RFD 1800 Hidden Creek Way
SUBDIVISION Windsor Forest Knolls SECTION TOWN Mt. Airy Md 21771 LOT 15

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Brown Shale (0-77) and Blue Rock (77-400).

GROUTING RECORD form with fields for material type (CM, BC), bags/pounds, and grout seal depth.

CASING RECORD form with fields for casing type (ST, PL), nominal diameter (6), and total depth (80).

OTHER CASING (if used) form with fields for diameter and depth.

SCREEN RECORD form with fields for screen type (ST, BR, PL) and diameter (56).

PUMPING TEST form with fields for hours pumped (3), pumping rate (4.5), and water level.

PUMP INSTALLED form with fields for pump type (S), capacity (31), and pump horse power (37).

WELL HYDROFRACTURED form with fields for unsuccessful wells (0) and hydrofractured status (Y).

DEPTH (nearest ft.) table with columns for casing depth intervals (1-51) and slot size.

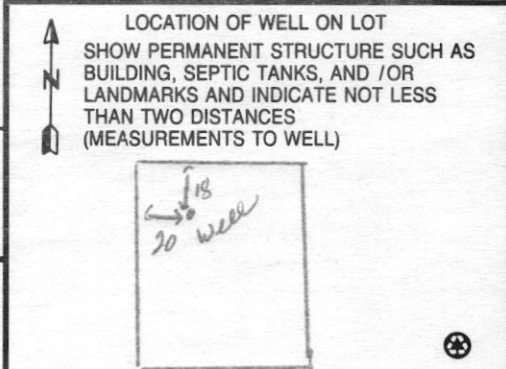
CIRCLE APPROPRIATE LETTER form with options A, E, P.

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION"

DRILLERS LIC. NO. 1 MSD024 and DRILLERS SIGNATURE (Garth L. Mayne)

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) form with fields T, W, Q.



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

TELESCOPE CASING, LOG INDICATOR, OTHER DATA

B 1 9856

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

Ho-95-1042 fill in this form completely

526278 please type

Date Received (APA) 3/12/07

OWNER INFORMATION

Highland Development Corp P.O. Box 228 Clarksville Md 21029

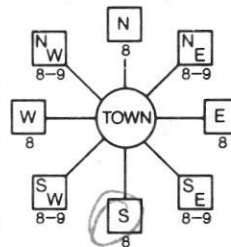
LOCATION OF WELL

Howard Wenden Forest Knolls Mt Airy 5 miles from town

DRILLER INFORMATION

Joseph L Mayne M S D 024 Joseph L Mayne Well Drilling 5512 Ridge Rd Mt. Airy Md 21771

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Hidden Creek Way NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH SOUTH WEST EAST DISTANCE FROM ROAD 300 ENTER FT OR MI 1-T

TAX MAP: 6 BLK: 16 PARCEL 57

WELL INFORMATION APPROX. PUMPING RATE 5 AVERAGE DAILY QUANTITY NEEDED 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- Domestic Potable Supply & Residential Irrigation (circled) Farming Industrial Commercial Dewatering Public Water Supply Well Test, Observation, Monitoring Geo-Thermal

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard 13 A516902 COUNTY NAME COUNTY NO. STATE SIGNATURE DATE ISSUED 4/2/07 CO SIGNATURE EXP DATE NORTH GRID 546 000 EAST GRID 0756 000

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

AIR-ROTary JETTED Jetted & DRIVEN AIR-PERCussion ROTARY (Hydraulic Rotary) CABLE REVerse-ROTary DRive-POINT other

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- This well will not replace an existing well (circled) 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 deepen an existing well

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROX. PERMIT NUMBER

PERMIT No. Ho-95-1042

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

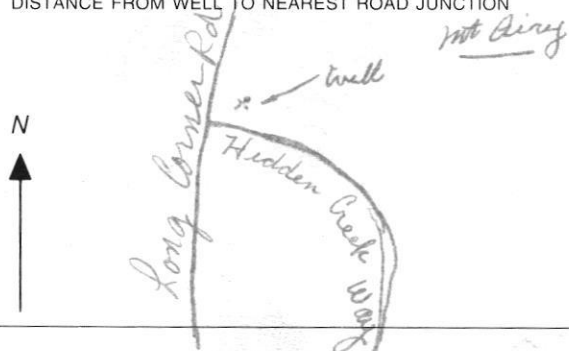
SOURCES OF DRILLING WATER

- Well

WRITE THE BOX NUMBER FROM THE MAP HERE

E 7566 N 5446

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED





**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: Barlow Well Drilling Telephone #: 410-838-6910  
Address: 522 UNDERWOOD LANE  
BEL AIR, MD 21014

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer  
License # and name of individual responsible for the field installation:  
Name (Print): Michael Isom License# MSD162

**\*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: Keystone Homes Telephone #: 301-787-0434  
Subdivision: WINDSOR Forest Knoll Lot #: 15 Well Tag #: HO-95-1042  
Site Address: 18403 HIDDEN CREEK WAY  
MT AIRY MD 21111

<b><u>Submersible Pump Data</u></b>	<b><u>Pitless Adapter</u></b>	<b><u>Well Cap and Electric Conduit</u></b>
Make: <u>Starik</u>	Make: <u>B11</u>	Two piece watertight cap: <u>✓</u>
Model #: <u>7SP4D02 1HP</u>	Model#: <u>P100</u>	Screened, vented well cap: <u>✓</u>
Pump Capacity <u>7</u> GPM	Depth: <u>42</u> (36" min)	Cap secured to casing: <u>✓</u>
Well Yield: <u>14.5</u> GPM	NSF/WSC approved: <u>yes</u>	Conduit min 18" B.G.: <u>✓</u>
Depth of well encountered at time of pump installation: <u>400</u> (feet)	Conduit secured to well cap: <u>✓</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 inside of well casing

<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>✓</u>
PSI: <u>200</u> (160 psi min)	Length of sleeve(5' minimum from foundation): <u>6'</u>
Depth of supply line: <u>42</u> (36" min)	Sleeve sealed properly: <u>yes</u>

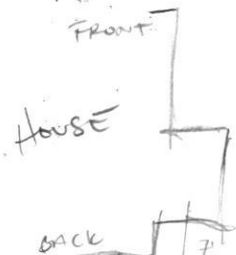
**The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.**

Signature of company representative responsible for installation: [Signature] date: 10/18/2021

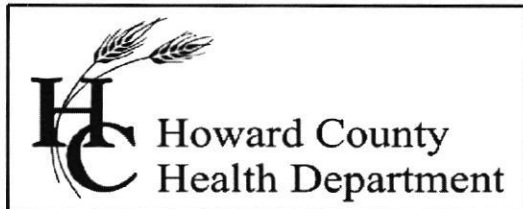
**For Health Department Use Only - Not to be completed by Installer**

Date Insp. Requested: 10/20/2021 Date Insp. Approved: 12/23/2021 Inspector: [Signature]  
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 ✓

FROM CASING TOP  
60" 10/20/2021  
55" 10/20/2021



10/20/2021  
REINSPECT @ FINAL GRADE



## Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

[www.hchealth.org](http://www.hchealth.org)

Facebook: [www.facebook.com/hocohealth](https://www.facebook.com/hocohealth)

Twitter: HowardCoHealthDep

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

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### INTERIM CERTIFICATE OF POTABILITY

Expiration Date – JULY 28, 2022

January 28, 2022

Homeowner  
18403 Hidden Creek Way  
Mount Airy, MD 21771

**RE: Windsor Forest Knolls, Lot 15**  
**18403 Hidden Creek Way**  
**Building Permit: B21001625**  
**Well Permit: HO-95-1042**

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 **1/4/2022**. Final approval of the well line connection to the dwelling was granted on **12/23/2021**. The well construction was completed on **5/8/2007**. Water samples were collected on **11/30/2021, 12/3/2021, 1/6/2022, 1/12/2022**.

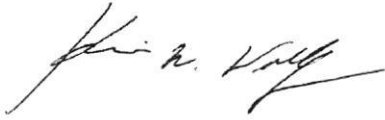
The water sample results indicate that the water samples submitted for testing were free of coliform and fecal coliform bacteria at the time of sampling and are bacteriologically safe for drinking. This certifies that the initial sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit HO-95-1042. 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:

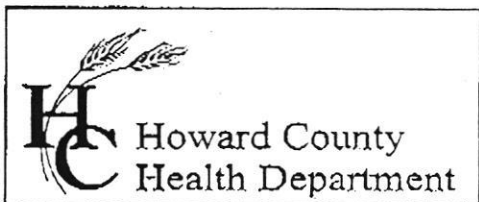
<http://www.mde.state.md.us/assets/document/WSP-Labs-2010apr16.pdf>

Approving Authority,

A handwritten signature in black ink, appearing to read "Kevin M. Wolf". The signature is fluid and cursive, with a long horizontal stroke at the end.

Kevin M. Wolf, LEHS, R.S./REHS, Supervisor  
Groundwater Management Section  
Well & Septic Program

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



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:

<u>Windsor Forest Knolls</u>	<u>18 Lots</u>	<u>Hidden Creek Way</u>
Subdivision/Property Name	Lot#	Road Name

The well site has been staked by FSH Associates,  
 (professional land surveyor or company employing professional land surveyors)

Wilhoon 3-15-2007 (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



# ENVIRO-CHEM LABORATORIES, INC.



47 Loveton Circle, Suite K • Sparks, Maryland 21152

410-472-1112

## FINAL REPORT OF ANALYSIS

Michael Barlow Well Drilling  
522 Underwood Lane  
Bel Air, MD 21014

Report Date: 12/03/2021  
Report Number: 211203143133  
Use and Occupancy  
PERMIT #:

LAB#- E069045-01      SAMPLE ID- 18403 Hidden Creek Way      WELL #  
LOCATION- Pressure Tank      SAMPLER- 1291SB  
DATE SAMPLED- 11/30/2021      TIME SAMPLED- 17:00      CHLORINE- Non detect  
DATE RECEIVED- 12/01/2021      TIME RECEIVED- 15:50  
DELIVERED BY- Mike Isom      RECEIVED BY- Ginny Shelley  
COMMENTS- Secure well, 2 piece PVC cap and casing. No treatment.

COMMENTS-

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DATA FLAG
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**Microbiology by Enviro-Chem**

Total Coliform	SM 9223B	12/01/21 16:20	VPS	21.3	MPN/100 mL	FAIL
E. Coli	SM 9223B	12/01/21 16:20	VPS	< 1.0	MPN/100 mL	PASS

Based on coliform bacteriological standards, at the time of sampling this water was **NOT SAFE** for drinking water purposes.

**Wet Chemistry by Enviro-Chem**

Nitrate (as N)	EPA 300.0	12/01/21 18:41	SES	7.77	mg/L	PASS
pH	SM4500-H+B	12/01/21 16:08	FRD	5.6	SU	
Turbidity	EPA 180.1	12/01/21 16:08	FRD	12.1	NTU	

Stephen Shelley  
Laboratory Director

Certifications

State of Maryland Laboratory

#192

# ENVIRO-CHEM LABORATORIES, INC.



47 Loveton Circle, Suite K • Sparks, Maryland 21152

410-472-1112

## FINAL REPORT OF ANALYSIS

Michael Barlow Well Drilling  
522 Underwood Lane  
Bel Air, MD 21014

Report Date: 12/08/2021  
Report Number: 211208163311  
Use and Occupancy  
PERMIT #:

LAB#- E069086-01      SAMPLE ID- 18403 Hidden Creek Way      WELL #  
LOCATION- Pressure Tank      SAMPLER- M Isom #1113MI  
DATE SAMPLED- 12/03/2021      TIME SAMPLED- 12:10      CHLORINE- Non detect  
DATE RECEIVED- 12/03/2021      TIME RECEIVED- 16:00  
DELIVERED BY- Mike Isom      RECEIVED BY- Ginny Shelley  
COMMENTS-

COMMENTS-

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DATA FLAG
<b>Wet Chemistry by Enviro-Chem</b>					
Sand	EPA 160.5	12/03/21 16:15	VPS	< 0.5	ml/L/Hr

Stephen Shelley  
Laboratory Director

### Certifications

State of Maryland Laboratory

#192

# ENVIRO-CHEM LABORATORIES, INC.



47 Loveton Circle, Suite K • Sparks, Maryland 21152

410-472-1112

## FINAL REPORT OF ANALYSIS

Michael Barlow Well Drilling  
522 Underwood Lane  
Bel Air, MD 21014

Report Date: 01/10/2022  
Report Number: 220110113146  
Use and Occupancy  
PERMIT #:

LAB#- E069386-01      SAMPLE ID- 18403 Hidden Creek Way      WELL #  
LOCATION- Powder Room      SAMPLER- M Isom #1113MI  
DATE SAMPLED- 01/06/2022      TIME SAMPLED- 13:00      CHLORINE- Non detect  
DATE RECEIVED- 01/06/2022      TIME RECEIVED- 17:30  
DELIVERED BY- Steve Duklewski      RECEIVED BY- Ginny Shelley  
COMMENTS-

COMMENTS-

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DATA FLAG
<b>Microbiology by Enviro-Chem</b>					
Total Coliform	SM 9223B	01/06/22 18:00	VPS	Absent	PASS
E. Coli	SM 9223B	01/06/22 18:00	VPS	Absent	PASS

Based on coliform bacteriological standards, at the time of sampling this water was **SAFE** for drinking water purposes.

Stephen Shelley  
Laboratory Director

### Certifications

State of Maryland Laboratory

#192

# ENVIRO-CHEM LABORATORIES, INC.



47 Loveton Circle, Suite K • Sparks, Maryland 21152

410-472-1112

## FINAL REPORT OF ANALYSIS

Michael Barlow Well Drilling  
522 Underwood Lane  
Bel Air, MD 21014

Report Date: 01/14/2022  
Report Number: 220114155950  
Use and Occupancy  
PERMIT #:

LAB#- E069426-02      SAMPLE ID- 18403 Hidden Creek Way - Raw      WELL #      HO 95-1042  
LOCATION- Pressure Tank      SAMPLER- J Vanarsdale #1337JV  
DATE SAMPLED- 01/12/2022      TIME SAMPLED- 16:00      CHLORINE- Non detect  
DATE RECEIVED- 01/13/2022      TIME RECEIVED- 12:52  
DELIVERED BY- Bob Johnston      RECEIVED BY- Fred Dory  
COMMENTS-

COMMENTS-

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DATA FLAG
<b>Total Metals by EPA 200.7 by Enviro-Chem</b>					
Iron	EPA 200.7	01/14/22 12:22	RAS	1.20	mg/L
<b>Wet Chemistry by Enviro-Chem</b>					
Turbidity	EPA 180.1	01/13/22 14:30	FRD	5.1	NTU

Stephen Shelley  
Laboratory Director

### Certifications

State of Maryland Laboratory #192

# ENVIRO-CHEM LABORATORIES, INC.



47 Loveton Circle, Suite K • Sparks, Maryland 21152

410-472-1112

## FINAL REPORT OF ANALYSIS

Michael Barlow Well Drilling  
522 Underwood Lane  
Bel Air, MD 21014

Report Date: 01/14/2022  
Report Number: 220114155950  
Use and Occupancy  
PERMIT #:

LAB#- E069426-01      SAMPLE ID- 18403 Hidden Creek Way - Treated      WELL #      HO 95-1042  
LOCATION- Powder Room      SAMPLER- J Vanarsdale #1337JV  
DATE SAMPLED- 01/12/2022      TIME SAMPLED- 16:00      CHLORINE- Non detect  
DATE RECEIVED- 01/13/2022      TIME RECEIVED- 12:52  
DELIVERED BY- Bob Johnston      RECEIVED BY- Fred Dory  
COMMENTS-

COMMENTS-

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DATA FLAG
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### Microbiology by Enviro-Chem

Total Coliform	SM 9223B	01/13/22 14:00	VPS	Absent	PASS
E. Coli	SM 9223B	01/13/22 14:00	VPS	Absent	PASS

Based on coliform bacteriological standards, at the time of sampling this water was **SAFE** for drinking water purposes.

### Total Metals by EPA 200.7 by Enviro-Chem

Iron	EPA 200.7	01/14/22 12:21	RAS	0.074	mg/L
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### Wet Chemistry by Enviro-Chem

Turbidity	EPA 180.1	01/13/22 14:30	FRD	0.6	NTU
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