



B 1 8991

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type

STATE PERMIT NUMBER

40-95-0078 fill in this form completely

Date Received (APA)

OWNER INFORMATION

Thompson DALE Bld. 6300 WOODSIDE CT Columbia MD 21046

B 3 LOCATION OF WELL

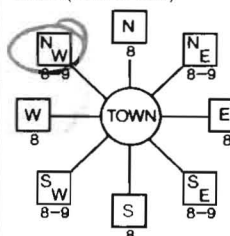
Howard County Owings Property Highland

DRILLER INFORMATION

Ralph E. Mayne MS D 112 17024 Handy rd Mt Airy MD 21776

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



DEANMAR DR

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) DISTANCE FROM ROAD 50 ENTER FT OR MI 50 TAX MAP: 40 BLK: 4 PARCEL 44

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

USE FOR WATER (CIRCLE APPROPRIATE BOX) D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

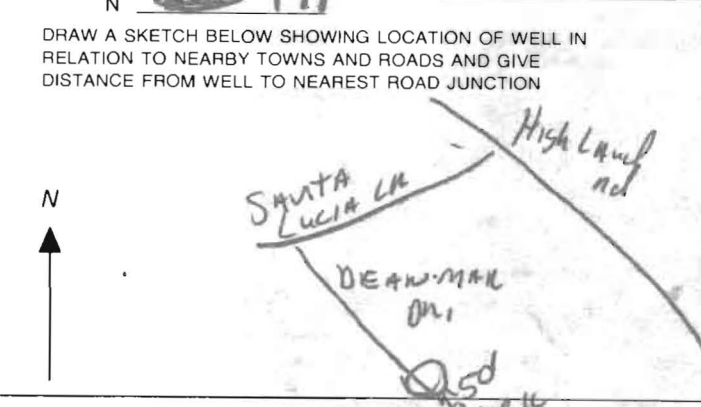
NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL Howard (13) A513229

APPROXIMATE DEPTH OF WELL 150 FEET APPROXIMATE DIAMETER OF WELL 64 INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. well

METHOD OF DRILLING (circle one) AIR-ROTARY

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) N THIS WELL WILL NOT REPLACE AN EXISTING WELL



Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER G PERMIT No. 40-95-0078

SPECIAL CONDITIONS



HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
WATER AND SEWERAGE PROGRAM  
TEL: (410)313-2640 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: K.H. Plumbing, Inc. Telephone #: 410-259-5910  
Address: 470 DOTSIE DR.  
WESTMINSTER, MD 21158

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

Name (Print): Keith Hundertmark License# 8300

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

Name of Property Owner: CARRIGAN Homes Telephone #: 410-977-8927  
Subdivision: DWINGS PROPERTY Lot #: 25 Well Tag #: HO 95-0078  
Site Address: 13022 DEAN MAR DR.  
HIGHLAND, MD 20777

Submersible Pump Data

Make: Goulds  
Model #: M10422  
Pump Capacity 5 GPM  
Well Yield: 1 GPM

Pitless Adapter

Make: AM. Comby  
Model#: PT 870  
Depth: 42" (36" min)  
NSF approved: Yes

Well Cap and Electric Conduit

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

Depth of well encountered at time of pump installation 500 (feet)  
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4  
Torque arrestors or Cable guards are required - Must circle one  
Safety rope, if used, attached to inside of well casing with eye bolt \_\_\_\_\_

Piping to house

Type: Polyethylene 1" IPS  
PSI: 160 (160 psi min)  
Depth of supply line: 42 (36" min)

House Connection

PVC sleeved to undisturbed soil at wall penetration: ✓  
Approximate length of sleeve: 6'  
Sleeve caulked and sealed properly: ✓

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: Keith Hundertmark date: 4-8-10

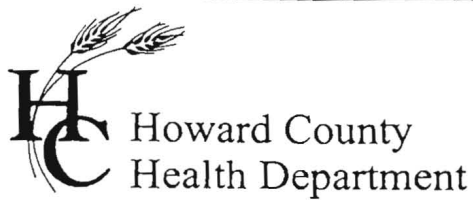
For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: \_\_\_\_\_ Date Insp. Approved: 4/28/10 (KEW)

- Inspection Data: Pitless adapter and 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 installed inside of well 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 ✓

1/29/10 (KEW)  
the well casing needs to be extended





3525 H Ellicott Mills Drive • Ellicott City, MD 21043  
(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

## ATTENTION WELL DRILLERS!!!

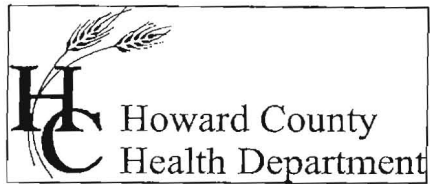
When submitting a well application for a new or replacement well, please indicate one of the following:

- The well site has been staked by AB Consultants Inc on MARCH 26 2005 and is ready for site inspection.
- \_\_\_\_\_ will call the Health Department for a time to meet in the field to verify a well location.
- Site plan for new well is attached to well permit application.

Please attach this sheet when submitting your green application. This should help improve communication allowing a more timely service for our citizens.

KN

Lets 25-26-27-28



Bureau of Environmental Health  
7178 Columbia Gateway Drive Columbia, Maryland 21046-2132  
(410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: www.hchealth.org

---

Peter L. Beilenson, M.D., M.P.H., Health Officer

April 29, 2010

Homeowner  
13022 Deanmar Drive  
Highland, MD 20777

RE: Owings Property, Lot 25  
13022 Deanmar Drive  
BP #: B09002644  
Well Permit # HO-95-0078

Dear Homeowner(s):

This is to advise you that the septic system for the above referenced property has been installed and inspected. **Final approval of the septic system was granted on 01/28/2010. Final approval of the well line connection to the dwelling was approved on 04/28/20.**

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. The water sample results were found to be in compliance with COMAR water quality standards.

This temporary deviation is to allow time to have well water tested for Gross Alpha and Gross Beta, short and long term. **The test results must be sent to this office within 30 days.**

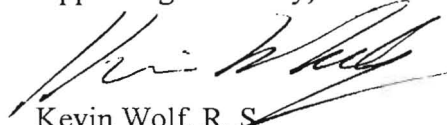
#### **TEMPORARY DEVIATION FOR RADIUM**

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-95-0078. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies. Based upon satisfactory investigation and evaluation, the Howard County Health Department as authorized by the Maryland Department of the Environment accepts this well system as required by COMAR 26.04.04.

This certificate may become final upon completion of the second bacteriological test, which is to be taken by the county health department within six months of receipt of this letter. **Please contact (410) 313-1773 to schedule a final water sample appointment. Currently, there is no charge for this final sampling.**

Date of Water Samples: 04/23/2010  
Gross Alpha & Gross Beta: **TO BE TESTED**  
Date of Well Completion: 08/31/2005

Approving Authority,

A handwritten signature in black ink, appearing to read "Kevin Wolf", written over a horizontal line.

Kevin Wolf, R. S.  
Well & Septic Program

cc: Building Inspector's Office  
Community Health Services  
File



TRACE LABORATORIES, INC  
 A Methode Electronics, Inc. Company  
 5 North Park Drive  
 Hunt Valley, MD 21030 USA  
 Telephone: 410/584-9099 / Fax: 410/584-9117  
 Website: www.tracelabs.com / Email: info@tracelabs.com

Maryland State Certified Laboratory # 318

**CERTIFICATE OF ANALYSIS**

**Requester:**  
 Carrigan Homes  
 9812 Kaillins Court  
 Ellicott City, Maryland 21042

**S/O Number:** 77362  
**Report Date:** April 26, 2010

**Property Sampled:** 13022 Deanmar Drive

**County:** Howard  
**Subdivision:** Owens Property **Tax Map #:** 40  
**Lot #:** 25 **Parcel #:** 44  
**Building Permit #:** B09002644

**Date/Time Collected:** April 23, 2010 at 10:01 am  
**Date/Time Received:** April 23, 2010 at 4:00 pm

**Sample Location:** Powder Room Tap  
**Sampler ID:** 5745KC  
**Samples Iced:** Yes  
**Residual Cl<sub>2</sub> <0.1 mg/L:** Yes

**Well Tag Number:** Tag Buried  
**Well Condition:** 2-Piece Cap  
 Satisfactory

**Water Conditioning/Treatment:** None

PARAMETER	RESULT	METHOD	MCL/*SMCL	
Nitrate	8.2 mg/L as N	SM 4500D	10 mg/L as N	Pass
Turbidity	<1.0 NTU	EPA 180.1	10 NTU	Pass
pH	6.3 Units	EPA 150.1	*6.5-8.5 Units	***
Sand	Negative		Negative	
Total Coliform	Absent	SM 9223B	Absent	Pass
E.coli	Absent	SM 9223B	Absent	Pass

*Allison R. Milburn*  
 Allison R. Milburn  
 Manager-Drinking Water Testing

MCL=Maximum Contamination Level

\*SMCL=Secondary Maximum Contamination Level

\*\*\*A non-enforceable parameter that may cause cosmetic effects or aesthetic effects (such as taste, color or odor) in drinking water.