

C1 5197

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

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

COUNTY NUMBER

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

MM DD YY

10 29 2007

22 400 26

HO - 95 - 1276

OWNER Brantly Development, Lime Kiln Road, Fulton, MD

WELL LOG

Not required for driven wells

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

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows: Soil, Brown Shale, Soft Shale, Gray Rock.

water at 98' & 315'

GROUTING RECORD

WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CM, BC), NO. OF BAGS (12), NO. OF POUNDS (200), GALLONS OF WATER (72), DEPTH OF GROUT SEAL (0 to 48 ft.)

CASING RECORD

MAIN CASING TYPE (PL), Nominal diameter (6 inch), Total depth of main casing (58 feet)

OTHER CASING (if used)

Table for other casing with columns for diameter and depth.

SCREEN RECORD

screen type or open hole (HO), insert appropriate code below

DEPTH (nearest ft.)

Table with columns: E, A, C, H, S, R, E, N and rows for depth intervals (8-11, 15-17, 23-24, 30-32, 38-39, 41-45, 47-51).

DIAMETER OF SCREEN (NEAREST INCH), 56 to 60

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)

TELESCOPE CASING, LOG INDICATOR, OTHER DATA

C 3

PUMPING TEST

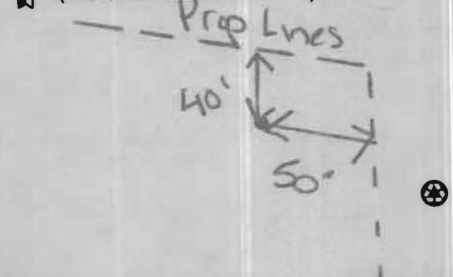
HOURS PUMPED (3), PUMPING RATE (4.0 gal. per min.), METHOD USED TO MEASURE PUMPING RATE (Submersible), WATER LEVEL (61 ft. before, 303 ft. when pumping), TYPE OF PUMP USED (S submersible)

PUMP INSTALLED

DRILLER INSTALLED PUMP (YES), TYPE OF PUMP INSTALLED PLACE (29), CAPACITY: GALLONS PER MINUTE (31-35), PUMP HORSE POWER (37-41), PUMP COLUMN LENGTH (43-47), CASING HEIGHT (above/below)

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)

- A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED
E ELECTRIC LOG OBTAINED
P TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 28.04.04 "WELL CONSTRUCTION"

DRILLERS LIC. NO. T M S D 162

DRILLERS SIGNATURE

LIC. NO. 1 AW D 706

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

B 1 9851

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

10-95-1276 fill in this form completely

527237 please type

Date Received (APA)

OWNER INFORMATION

Brantly Development, 8835 N. Columbia 100 Pkwy, Columbia MD 21045

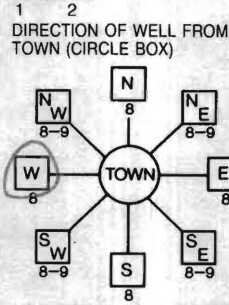
LOCATION OF WELL

Howard COUNTY, Lime Kiln Valley SUBDIVISION, SECTION 44 46, LOT 27 48 50, Fulton NEAREST TOWN, 1 MILE FROM TOWN

DRILLER INFORMATION

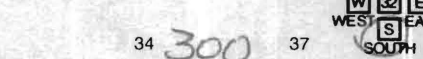
Michael D. Isom MS D 162, G. Edgar Harr Sons' Corp., 12047 Falls Road, Cockeysville 21030, Signature, Date 6/11/07

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Lime Kiln Road NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



34 300 37 DISTANCE FROM ROAD ENTER FT OR MI 38 39

TAX MAP: 4D BLK: 22 PARCEL 114

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5, AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 750

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION (circled), FARMING, INDUSTRIAL, PUBLIC WATER SUPPLY WELL, TEST, OBSERVATION, MONITORING, GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard COUNTY NAME, 1519584 COUNTY NO., STATE SIGNATURE, DATE ISSUED 9/25/07, CO SIGNATURE, EXP. DATE 9/25/08, NORTH GRID 483 000, EAST GRID 811 000

APPROXIMATE DEPTH OF WELL 250 FEET

APPROXIMATE DIAMETER OF WELL 6 NEAREST INCH

METHOD OF DRILLING (circle one)

BORED (or Augered), JETTED, Jetted & DRIVEN, AIR-ROTary, AIR-PERCussion, ROTARY (Hydraulic Rotary), CABLE, REVERSE-ROTary, Drive-POINT

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 DEEPEM AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

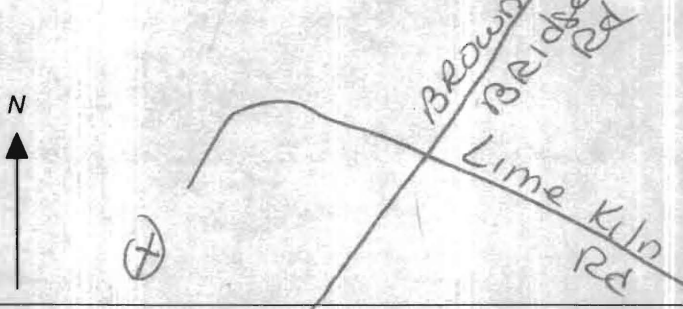
SOURCES OF DRILLING WATER

- 1. Well, 2., 3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 8101, N 4803

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



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

APPROP. PERMIT NUMBER 102004-G013(02), PERMIT No. 10-95-1276

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

HARR WELL DRILLING

12047 FALLS ROAD
COCKEYSVILLE, MD 21030
410-252-4588

HOWARD COUNTY WELL YIELD TEST REPORT

Date Test Performed: 12-05-07
Address: Lime Kiln Road
Owner: Brantly Development
Well Depth: 400 Ft

Permit Number: HO-95-1276
Subdivision: Lime Kiln Valley lot 27
Election District:
Static Water Level: 61 Ft

Time	Water Level	PSI Existing Pump	Pumping Rate Seconds to fill 5gallon bucket	Calculated Flow-Gallons Per Minute
0900	61 ft		3 sec	20.00 gpm
0915	127		4	15.00
0930	189		5	12.00
0945	256		10	6.00
1000	292		12	5.00
1015	303		15	4.00
1030	303		15	4.00
1045	303		15	4.00
1100	303		15	4.00
1115	303		15	4.00
1130	303		15	4.00
1145	303		15	4.00
1200	303		15	4.00
1215	303		15	4.00
1230	303		15	4.00
1245	303		15	4.00
1300	303		15	4.00
1315	303		15	4.00

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: Tri-County Pump Service Inc Telephone #: 301-432-0830
Address: 6711 Old National Pike
Panthersville, Md 21073

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): William Griffith License# 20135

*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: Craftmark Homes Telephone #: 703-937-0573
Subdivision: Maple Woods Lot #: 27 Well Tag #: HO-95-1276
Site Address: 19907 Limestone Rd
Highland, Md 20770

Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit
Make: AY Mc Donald Make: American Branby Two piece watertight cap: Y/S
Model #: 230 25V2S H Model #: PT908 Screened, vented well cap: Y/S
Pump Capacity: 1 GPM Depth: 36" (36" min) Cap secured to casing: Y/S
Well Yield: 15 GPM NSF/WSC approved: Y/S Conduit min 18" B.G.: Y/S
Depth of well encountered at time of pump installation: 400 (feet) Conduit secured to well cap: Y/S
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

Piping to house House Connection
Type: Poly PVC sleeve to undisturbed soil at wall penetration: Y/S
PSI: W0 (160 psi min) Length of sleeve (5' minimum from foundation):
Depth of supply line: 36" (36" min) Sleeve sealed properly: Y/S

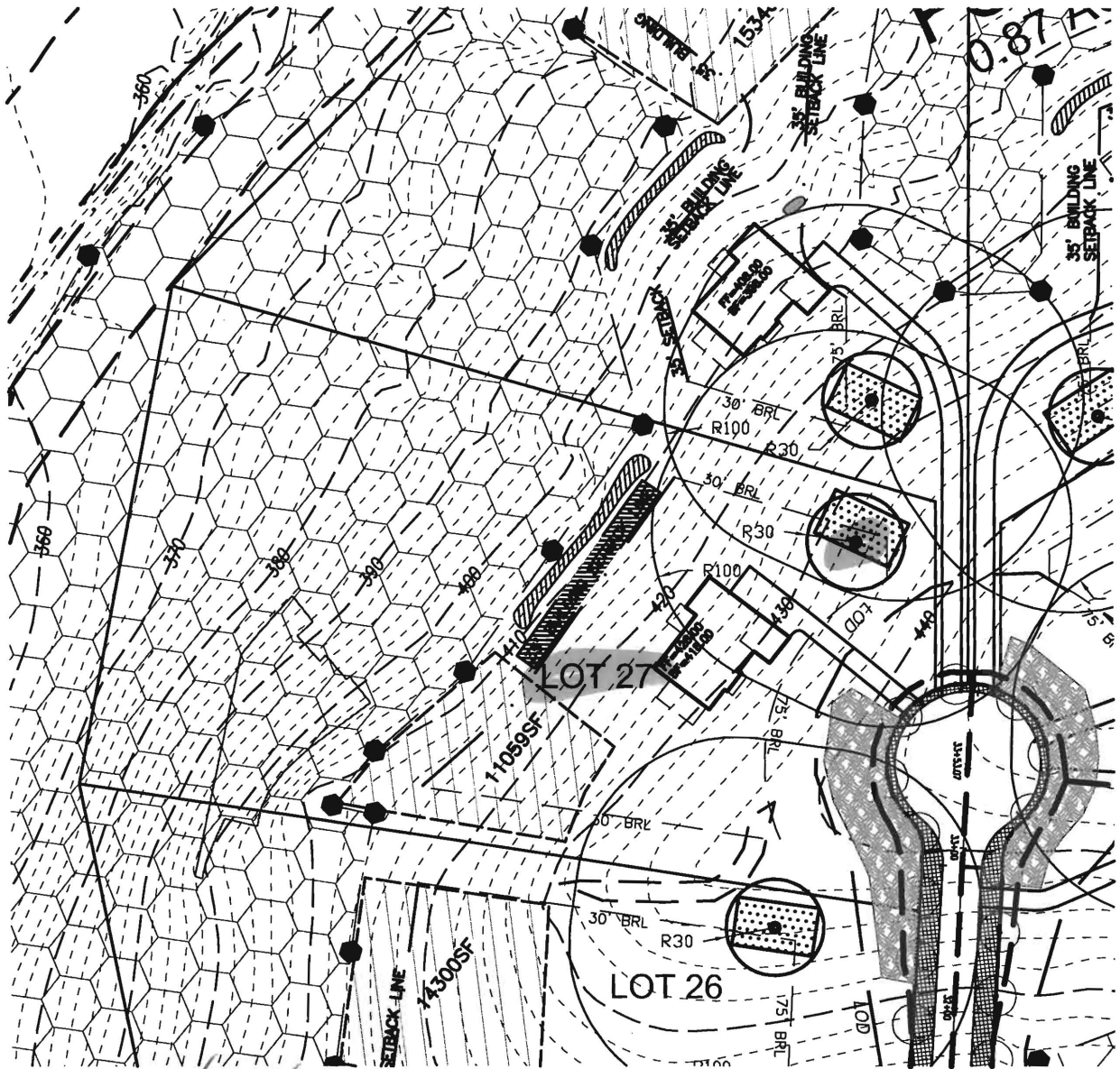
The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: William Griffith date: 11-31-2011

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

Date Insp. Requested: _____ Date Insp. Approved: 11/13/11 Inspector: William Griffith
Inspection Data: Pitless adapter watertight & water supply line at least 36" below grade Y/S
Two piece cap installed and attached to casing securely Y/S
Elec. conduit extends at least 18" below grade/attached to cap properly Y/S
Safety rope not outside of well cap/casing Y/S
Correct well tag attached properly and casing 8" above finished grade Y/S
Water supply line sleeved adequately at house connection Y/S
Adequate grout observed below pitless adapter Y/S

William Griffith
11/14/2011
Ball Missing
OK
BB
OK



SCALE: 1"=100'

9/25/07 Well Site OK

ROBERT H. VOGEL
ENGINEERING, INC.
 ENGINEERS • SURVEYORS • PLANNERS
 8407 MAIN STREET TEL: 410.461.7666
 ELLICOTT CITY, MD 21043 FAX: 410.461.8961

WELL PLAT LEGEND	
	SEPTIC EASEMENT
	PROPOSED WELL AREA

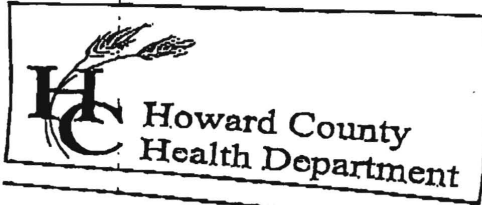
SCALE: AS SHOWN
 DRAWN BY: JCO
 CHECKED BY: RHV
 DATE: JUNE 2007
 PROJECT NO.: 04-21
 SHEET NO. 1 OF 1

LIME KILN VALLEY II
 PHASE 1 & 2 (LOT 27)

PROPOSED WELL LOCATION EXHIBIT

TAX MAP 40 & 45
 5TH ELECTION DISTRICT

PARCEL 114 & 12
 HOWARD COUNTY, MARYLAND



7178 Columbia Gateway Drive, Columbia, MD 21046
 (410) 313-2640 Fax (410) 313-2640
 TDD (410) 313-2323 Toll Free 1-866-313-2640
 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>Lime KILN VALLEY</u>	<u>1-39</u>	<u>Lime KILN VALLEY</u>
Subdivision/Property Name	Lot#	Road Name

The well site has been staked by ^{Sites} Robert Vogel Inc,
 (professional land surveyor or company employing professional land surveyors)
 on 7/24/07 (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



Bureau of Environmental Health
7178 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

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

INTERIM CERTIFICATE OF POTABILITY

Expiration Date – June 9, 2012

January 9, 2012

MAPLE W LC
6820 ELM STREET, 2ND FLR.
MCLEAN, VA 22101

**RE: Lime Kiln Valley II, Lot # 27
12907 Lime Kiln Road
Building Permit: B11001948
Well Permit: HO-95-1276**

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 **11/18/11**. Final approval of the well line connection to the dwelling was granted on **11/18/11**. The well construction was completed on **10/25/07**. Water samples were collected on **12/21/2011**.

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-95-1276. 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,


Dana Bernard, REHS/RS
Environmental Sanitarian
Well & Septic Program

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



Fredericktowne Labs Inc.

ENVIRONMENTAL TESTING

3020 Ventrie Court • P.O. BOX 245 • Myersville, MD 21773 • 800-332-3340 • FAX 301-293-2368
 www.fredericktownelabs.com • info@fredericktownelabs.com

Certificate of Analysis

Acct. No. 3948 - 682-1

Field Record

Site visit performed on: Wednesday, December 21, 2011 11:32 AM
 by: Kevin Kretzer State ID No. 1511KK
 Affiliation: Tri-County Pump Service
 Property Owner: Craftmark Homes
 Property Address: 12907 Lime Kiln Rd, Lot 27
 Highland, MD
 Sample Source: Powder Room Faucet
 Field pH: 6.7
 Res. Cl.: <0.1 mg/l

Laboratory Report

Sample Received at laboratory: 12/21/2011 2:12 PM

Bacteriological results:

Total Colif. (/100ml)	E.coli.(/100ml)	Start		End		Method	Analyst
		Date	Time	Date	Time		
<1	<1	12/21/11	14:45	12/22/11	08:45	9223B	JD

Bacteriological analysis of this sample indicates the water is safe for human consumption and meets state and local requirements. Analysis was performed according to the 20th edition of Standard Methods

Inorganic Chemical results:

Parameter	Result	Units	MCL	Date of Analysis	Method	Analyst
Nitrate-Nitrogen	1.3	mg/l	10	12/21/2011	300.0	PH
Sand	<2	mg/l	5	12/21/2011	0.065mmFilter	JD
Turbidity	1.1	NTU'	10	12/21/2011	180.1	KB

Reported by:

Karen Ryan 1/5/12
 Name Date

Fredericktowne Labs, Inc. is a State Certified Water Quality Laboratory
 Maryland Cert. No. 116 Virginia Cert. No. 00444
 MDOT WBE Cert. No.: 91-158