

C1 0832 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 12 19 07

Depth of Well 400 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 10-95-1207

OWNER Brantly Development last name first name TOWN Fulton STREET OR RFD Lime Kiln Road SUBDIVISION Lime Kiln valley SECTION LOT 13

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 include Soil, Brown shale, Soft Brown Shale, Gray Rock, and Water at 100 + 30'.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (C) (M) (B) (C) NO. OF BAGS 14 NO. OF POUNDS 1400

CASING RECORD (S) (T) (C) (O) (P) (L) (O) (T) MAIN CASING TYPE PL Nominal diameter 6 Total depth 63

OTHER CASING (if used) diameter inch depth (feet) from to

SCREEN RECORD (S) (T) (B) (R) (H) (O) (P) (L) (O) (T) screen type or open hole (insert appropriate code below)

Table with columns: DEPTH (nearest ft.), rows 1-21. Values include 63, 400.

NUMBER OF UNSUCCESSFUL WELLS: 0 WELL HYDROFRACTURED (Y) (N)

CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

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

DRILLERS LIC. NO. M SD 162 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. AWD 766 DRILLER SIGNATURE

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

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)

TELESCOPE CASING LOG INDICATOR OTHER DATA

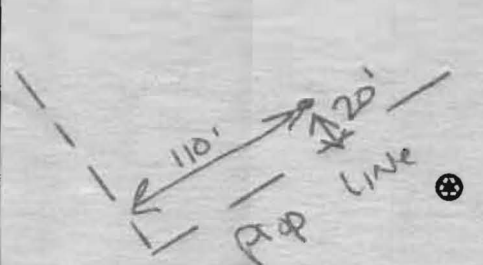
PUMPING TEST

HOURS PUMPED (nearest hour) 6 PUMPING RATE (gal. per min.) 2.06 METHOD USED TO MEASURE PUMPING RATE Submersible WATER LEVEL (distance from land surface) BEFORE PUMPING 40 WHEN PUMPING 305 TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP (CIRCLE) (YES) (NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29. CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35 PUMP HORSE POWER 37 41 PUMP COLUMN LENGTH (nearest ft.) 43 47 CASING HEIGHT (circle appropriate box and enter casing height) (+) above () below LAND SURFACE (nearest foot) 1

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)



B 1 9837SEQUENCE NO.
(MDE USE ONLY)STATE OF MARYLAND
APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HD - 95 - 1207
70 fill in this form completely 79527237 please type

Date Received (APA)

OWNER INFORMATION

8 MM DD YY 13

Brantley Development
15 Last Name Owner First Name 348835 N. Columbia 100 Pkwy
36 Street or RFD 55Columbia MD 21045
57 Town 70 State 72 Zip 76

DRILLER INFORMATION

Michael D. Isom M S D 162
Driller's Name 76 License No. 81G. Edgar Harr Sons' Corp.
Firm Name12047 Falls Road, Cockeysville 21030
Address6/11/07
Signature DateB 2 WELL INFORMATION
7 2 APPROX. PUMPING RATE 5
(GAL. PER MIN.) 8 12
AVERAGE DAILY QUANTITY NEEDED 750
(GAL. PER DAY) 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

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

APPROXIMATE DEPTH OF WELL 250 FEET
24 28APPROXIMATE DIAMETER OF WELL 6 INCH
NEAREST INCH

METHOD OF DRILLING (circle one)

- BORED (or Augered) JETTED Jettied & DRIVEN
- 30 AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)
- 37 CABLE REVERSE-ROTary DRIVE-POINT
- other _____

REPLACEMENT OR DEEPEMED WELLS
(CIRCLE APPROPRIATE BOX)

- THIS WELL WILL NOT REPLACE AN EXISTING WELL
- THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
- 39 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 _____ 52

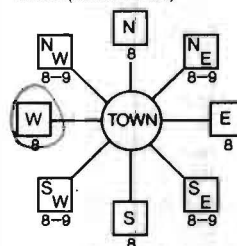
Not to be filled in by driller (MDE OR COUNTY USE ONLY)

B 3

LOCATION OF WELL

Howard
8 COUNTY 21Lime Kila Valley
23 SUBDIVISION 42SECTION 44 46 LOT 13
44 46 48 50Fulton
52 NEAREST TOWN 71MILES FROM TOWN (enter 0 if in town) 1
73 76 77 78

B 4

1 2
DIRECTION OF WELL FROM
TOWN (CIRCLE BOX)Lime Kiln Road
11 NEAR WHAT ROAD 30ON WHICH SIDE OF ROAD
(CIRCLE APPROPRIATE BOX)34 300 37
DISTANCE FROM ROAD FT
ENTER FT OR MI 38 39TAX MAP: 45 BLK: 4 PARCEL 12NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVALHoward AS19584
COUNTY NAME COUNTY NO.

STATE SIGNATURE _____ INSERT S →

DATE ISSUED 9/25/07 9/25/08
43 MM DD YY 48 CO SIGNATURE EXP. DATENORTH GRID 480 0 0 0 EAST GRID 810 0 0 0
50 55 57 63SHOW MAJOR FEATURES OF
BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

- Well
-
-

WRITE THE BOX NUMBER
FROM THE MAP HEREE 810
N 480DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN
RELATION TO NEARBY TOWNS AND ROADS AND GIVE
DISTANCE FROM WELL TO NEAREST ROAD JUNCTION

N

BROWNS BRIDGE RD

HARR WELL DRILLING

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

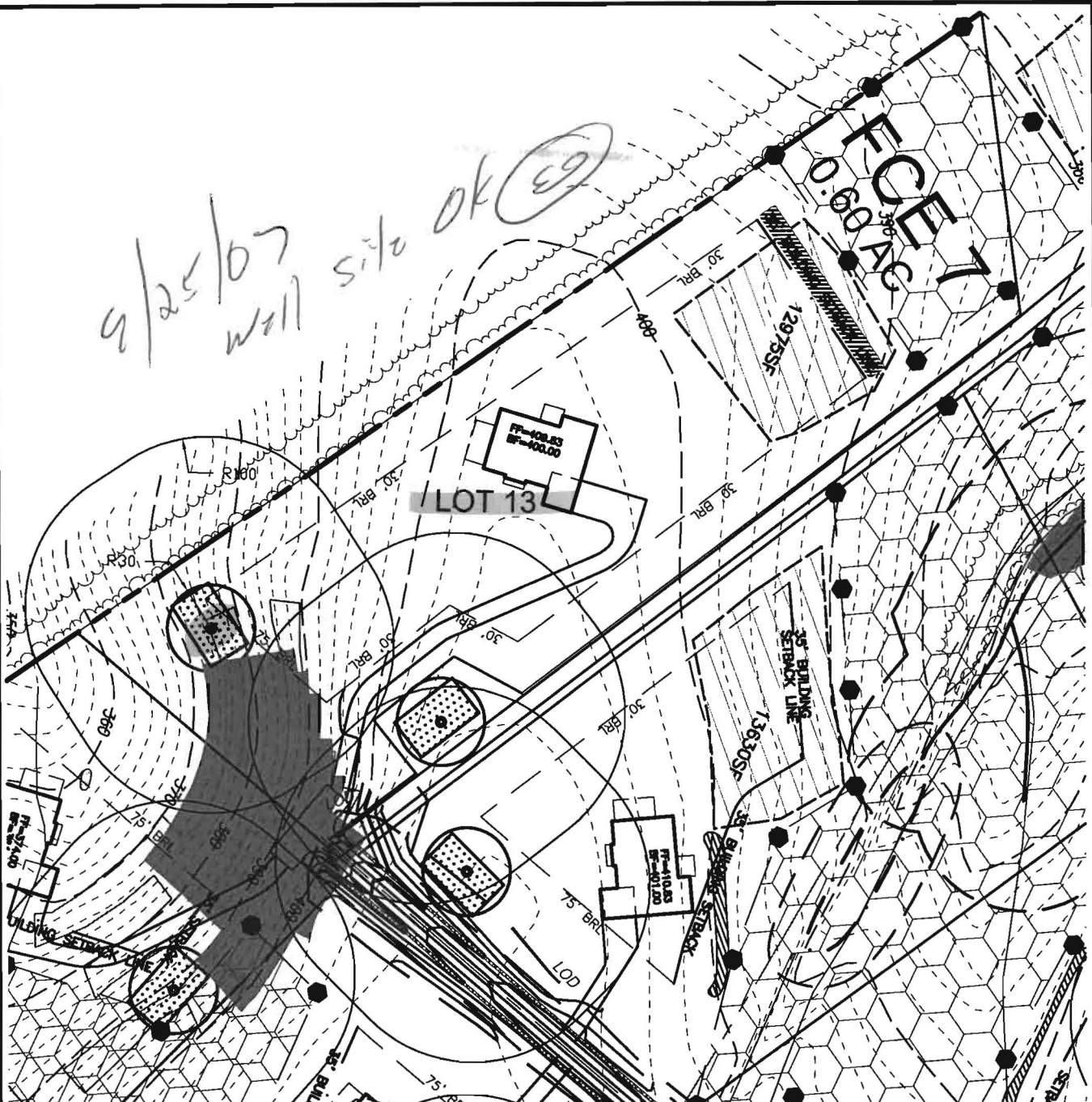
HOWARD COUNTY WELL YIELD TEST REPORT

Date Test Performed: 12-19-07
Address: Lime Kiln Road
Owner: Brantly Development
Well Depth: 400 Ft

Permit Number: HO-95-1207
Subdivision: Lime Kiln Valley lot 13
Election District:
Static Water Level: 40 Ft

Time	Water Level	PSI Existing Pump	Pumping Rate Seconds to fill 1gallon bucket	Calculated Flow-Gallons Per Minute
0845	40 ft		4 sec	15.00 gpm
0900	120		5	12.00
0915	264		6	10.00
0930	305		29	2.06
0945	305		29	2.06
1000	305		29	2.06
1015	305		29	2.06
1030	305		29	2.06
1045	305		29	2.06
1100	305		29	2.06
1115	305		29	2.06
1130	305		29	2.06
1145	305		29	2.06
1200	305		29	2.06
1215	305		29	2.06
1230	305		29	2.06
1245	305		29	2.06
1300	305		29	2.06
1315	305		29	2.06
1330	305		29	2.06
1345	305		29	2.06
1400	305		29	2.06
1415	305		29	2.06
1430	305		29	2.06
1445	305		29	2.06
1500	305		29	2.06
1515	305		29	2.06

9/25/07
well site OK



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

SCALE: 1"=100'

WELL PLAT LEGEND	
	SEPTIC EASEMENT
	PROPOSED WELL AREA

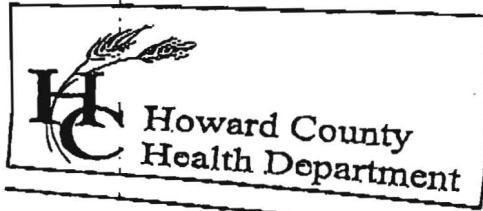
SCALE: _____ AS SHOWN
DRAWN BY: _____ JCO
CHECKED BY: _____ RHV
DATE: _____ JUNE 2007
PROJECT NO.: _____ 04-21
SHEET NO. _____ 1 OF 1

LIME KILN VALLEY II
PHASE 1 & 2 (LOT 13)

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:

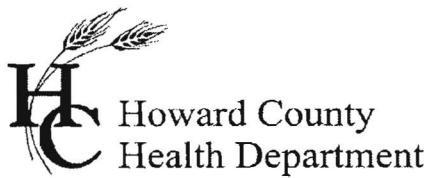
Subdivision/Property Name	Lot#	Road Name
Lime KILN VALLEY	1-39	Lime KILN VALLEY

The well site ^{sites} has been staked by 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

NVR, INC.
6085 Mrshalee, Suite #130
Elkridge, Maryland 21075

**RE: Lime Kiln Valley II Subdivision , Lot #13
12833 Lime Kiln Road
Building Permit: B11002525
Well Permit: HO-95-1207**

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 **11/28/11**. Final approval of the well line connection to the dwelling was granted on **12/06/11**. The well construction was completed on **12/19/07**. Water samples were collected on **01/04/12**.

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-95-1207. 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

Water Testing Laboratories

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

of Maryland, Inc.

N V Homes
c/o Robert Feezer Co.
6321 Barnett Avenue
Sykesville, MD 21784

Reporting Date: 1/6/2012
Report #: K7933

Submitted Sample Address: Lot 13, 12833 Lime Kilm Road
Highland, MD 20777
Submitted Sample Source: Holding tank
Date / Time Collected: 1/4/2012 10:31 AM
Sample Type: Drinking Water
Sampler/Company: D. Pitts 4322DP, WTL of MD
Field Record: Chlorine residual: Absent Clear when drawn
Well #: HO-95-1207
Permit #: B110002525

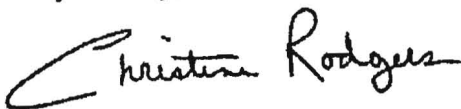
Analytical Results

Parameter	Result	Units	Report Limit	MCL	Analytical Method
Total Coliforms	Absent	Coliforms/100 ml	Present/Absent	Present	SM 9223B
<i>E. Coli</i>	Absent	Coliforms/100 ml	Present/Absent	Present	SM 9223B
Nitrates + Nitrites	5.1	mg/L	1.0	10	EPA 353.2
Sand	Absent	P/A	Present/Absent	Present	Visual
Turbidity	0.8	NTU	0.5	10	SM 2130B
pH	6.7	SU	0.1	6.5-8.5 (SMCL)	SM 4500 H ⁺ B

Notes:

1. Bacteriological analysis of this sample indicates this water is safe for human consumption.
2. MCL is EPA's maximum contaminant level under primary drinking water regulations. SMCL is secondary maximum contaminant level and is the aesthetic quality only. If your result is above any MCL or SMCL, you may want to consider a water treatment system or a new well. Please check your local regulations for any restrictions or additional limits.
3. ND - Not Detected.
4. Sample received and examined within EPA's recommended holding time
5. Analyzed by Lab 214.
6. SM - Greenberg, Clesceri and Eaton, *Standard Methods for the Examination of Water and Wastewater*, 21st Ed.

Reported by,



C. Rodgers, Customer Service Representative

Reviewed by:



Water Testing Laboratories

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

of Maryland, Inc.

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c/o Robert Feezer Co.
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Sample Type: Drinking Water
Sampler/Company: D. Pitts 4322DP, WTL of MD
Field Record: Chlorine residual: Absent Clear when drawn
Well #: HO-95-1268 *wrong tag #*
Permit #: B110002525

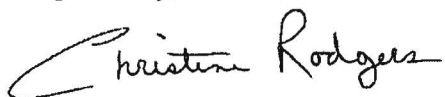
Analytical Results

Parameter	Result	Units	Report Limit	MCL	Analytical Method
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<i>E. Coli</i>	Absent	Coliforms/100 ml	Present/Absent	Present	SM 9223B
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Reported by,



C. Rodgers, Customer Service Representative

Reviewed by:

