

C1 5196

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

DATE RECEIVED MM DD YY

DATE WELL COMPLETED MM DD YY

DEPTH OF WELL (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER: Brantly Development, STREET OR RFD: Lime Kiln Road, TOWN: Fulton, SUBDIVISION: Lime Kiln Valley, SECTION: , LOT: 37

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Soil, Brown Shale, Soft Shale, Gray Rock, and water at 230'.

GROUTING RECORD section including WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CM, BC), NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, DEPTH OF GROUT SEAL.

CASING RECORD section including casing types (ST, CO, PL, OT), MAIN CASING TYPE (PL), Nominal diameter (6), Total depth (64).

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

SCREEN RECORD section including screen type (ST, BR, HO, PL, OT) and depth (64, 300).

NUMBER OF UNSUCCESSFUL WELLS: 1, WELL HYDROFRACTURED: Y

- CIRCLE APPROPRIATE LETTER: A (Abandoned), E (Electric Log), P (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...

DRILLERS LIC. NO. MSD 162, DRILLERS SIGNATURE, LIC. NO. AU D 766

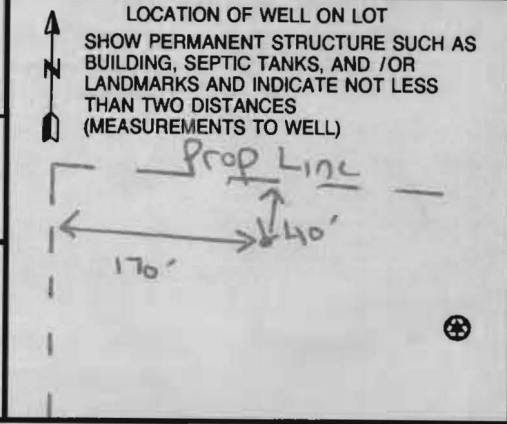
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

DEPTH (nearest ft.) table with rows for casing and screen diameters and depths.

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) section with fields for T, W, Q, TELESCOPE CASING, LOG INDICATOR, OTHER DATA.

PUMPING TEST section including PUMPING TEST, HOURS PUMPED (3), PUMPING RATE (12.00), MEASURE PUMPING RATE (Submersible), WATER LEVEL (77 ft. before, 335 ft. when pumping), TYPE OF PUMP USED (S submersible).

PUMP INSTALLED section including DRILLER INSTALLED PUMP (YES), TYPE OF PUMP INSTALLED (S), CAPACITY: GALLONS PER MINUTE (31-35), PUMP HORSE POWER (37-41), PUMP COLUMN LENGTH (43-47), CASING HEIGHT (+ above, - below).





TRACE LABORATORIES, INC

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:

NV Homes, Inc.
6085 Marshalee Drive Suite 130
Elkridge, Maryland 21075

S/O Number: 81103

Report Date: April 26, 2011

Property Sampled: 12810 Lime Kiln Road, 20777
Sample Location: Pressure Tank
Residual Chlorine: <0.1 mg/L

Building Permit #: B10003914
Sampler ID #: 9813AM
Samples Iced: Yes

County: Howard
Map: 40

Subdivision: Maple Woods
Parcel: 114

Lot #: 48

Date/Time Collected in Field: April 25, 2011 @ 11:00 am
Date/Time Received in Lab: April 25, 2011 @ 3:30 pm

Well Tag #: HO-95-1286
Well Condition: 2-Piece Cap, Satisfactory

Water Treatment/Conditioning: Neutralizer

Table with 5 columns: PARAMETER, METHOD, MCL/*SMCL, RESULT, PASS/FAIL. Rows include Total Coliform, E. coli, Nitrate, Turbidity, pH, and Sand.

Sarah D. Brammer
Sarah D. Brammer
Quality/Office Manager

MCL: Maximum Contamination Level, an enforceable level established by the EPA

*SMCL: Secondary Maximum Contamination Level, a level recommended by the EPA

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

B 1 9861

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HD-95-1286

527237

please type

fill in this form completely

Date Received (APA)

OWNER INFORMATION

8 MM DD YY 13

Brantly Development

15 Last Name Owner First Name 34

8835 N. Columbia 100 Pkwy

36 Street or RFD 55

Columbia MD 21045

57 Town 70 State 72 Zip 76

DRILLER INFORMATION

Michael D. Isom M S D 162

Driller's Name 76 License No. 81

G. Edgar Harr Sons' Corp.

Firm Name

12047 Falls Road, Cockeysville 21030

Address

Signature Date 6/11/07

LOCATION OF WELL

Howard COUNTY

8 COUNTY 21

Lime Kiln Valley

23 SUBDIVISION 42

SECTION LOT 37

44 46 48 50

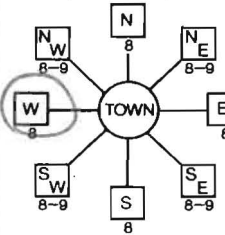
Fulton

52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 1 M 73 76 77 78

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

1 2



Lime Kiln Road NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



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

TAX MAP: 45 BLK: 4 PARCEL 12

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 750 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- Domestic Potable Supply & Residential Irrigation (circled)
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 COUNTY NAME AS19584 COUNTY NO.

STATE SIGNATURE INSERT S

DATE ISSUED 10/2/07 CO SIGNATURE EXP. DATE 41

NORTH GRID 482 000 EAST GRID 811 000

APPROXIMATE DEPTH OF WELL 250 FEET

APPROXIMATE DIAMETER OF WELL 4 INCH 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 DEEPEINED WELLS (CIRCLE APPROPRIATE BOX)

- N THIS WELL WILL NOT REPLACE AN EXISTING WELL
Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
D 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)

APPROX. PERMIT NUMBER HD 2404-G 013/02
PERMIT No. HD-95-1286

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

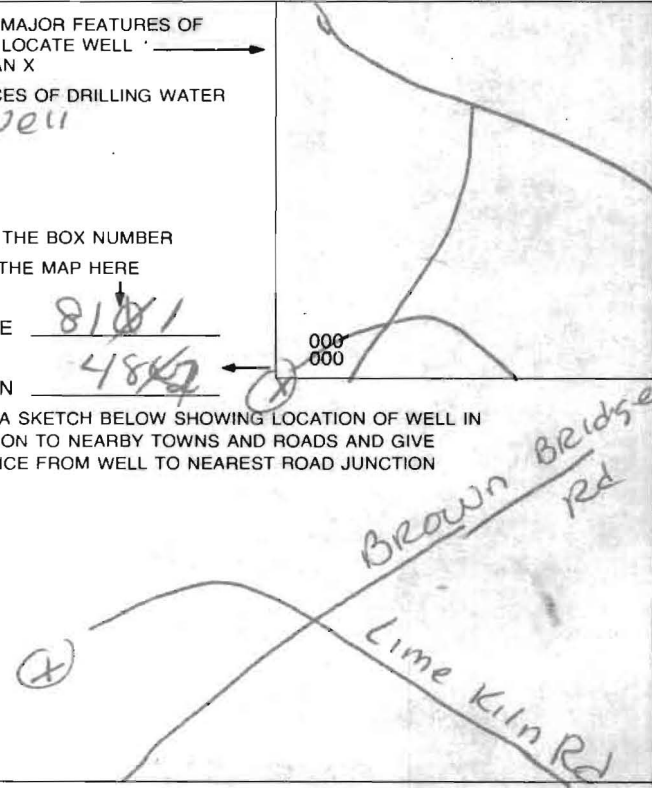
SOURCES OF DRILLING WATER

- 1. Well
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 8181
N 4842

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

HARR WELL DRILLING

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

HOWARD COUNTY WELL YIELD TEST REPORT

Date Test Performed: 10-24-07

Permit Number: HO-95-1286

Address: Lime Kiln Road

Subdivision: Lime Kiln Valley L#37

Owner Brantly Development

Election District:

Well Depth: 300 Ft

Static Water Level: 77 Ft

Time	Water Level	PSI Existing Pump	Pumping Rate Seconds to fill 5gallon bucket	Calculated Flow-Gallons Per Minute
0930	77 ft		17 sec	17.64
0945	125		20	15.00
1000	196		20	15.00
1015	223		20	15.00
1030	290		25	12.00
1045	335		25	12.00
1100	335		25	12.00
1115	335		25	12.00
1130	335		25	12.00
1145	335		25	12.00
1200	335		25	12.00
1215	335		25	12.00
1230	335		25	12.00

**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: Robert L. Feezer Co. Inc. Telephone #: 410-781-4655
Address: 6321 Barnette Ave.
Sylmar, 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): Robert L. Feezer License# 2122

***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: NY HOMES Telephone #: 410-379-5956
Subdivision: MAPLE WOODS Lot #: 37 Well Tag #: HO-95-1286
Site Address: 12810 LIME ROCK RD
FULTON, MD 20759

Submersible Pump Data

Make: STA-RTG
Model #: S10 P4H507221-01
Pump Capacity: 12 GPM
Well Yield: 12 GPM

Pitless Adapter

Make: Campbell
Model #: PT800
Depth: 42" (36" min)
NSF/WSC approved:

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: 300 (feet)
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

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

House Connection

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

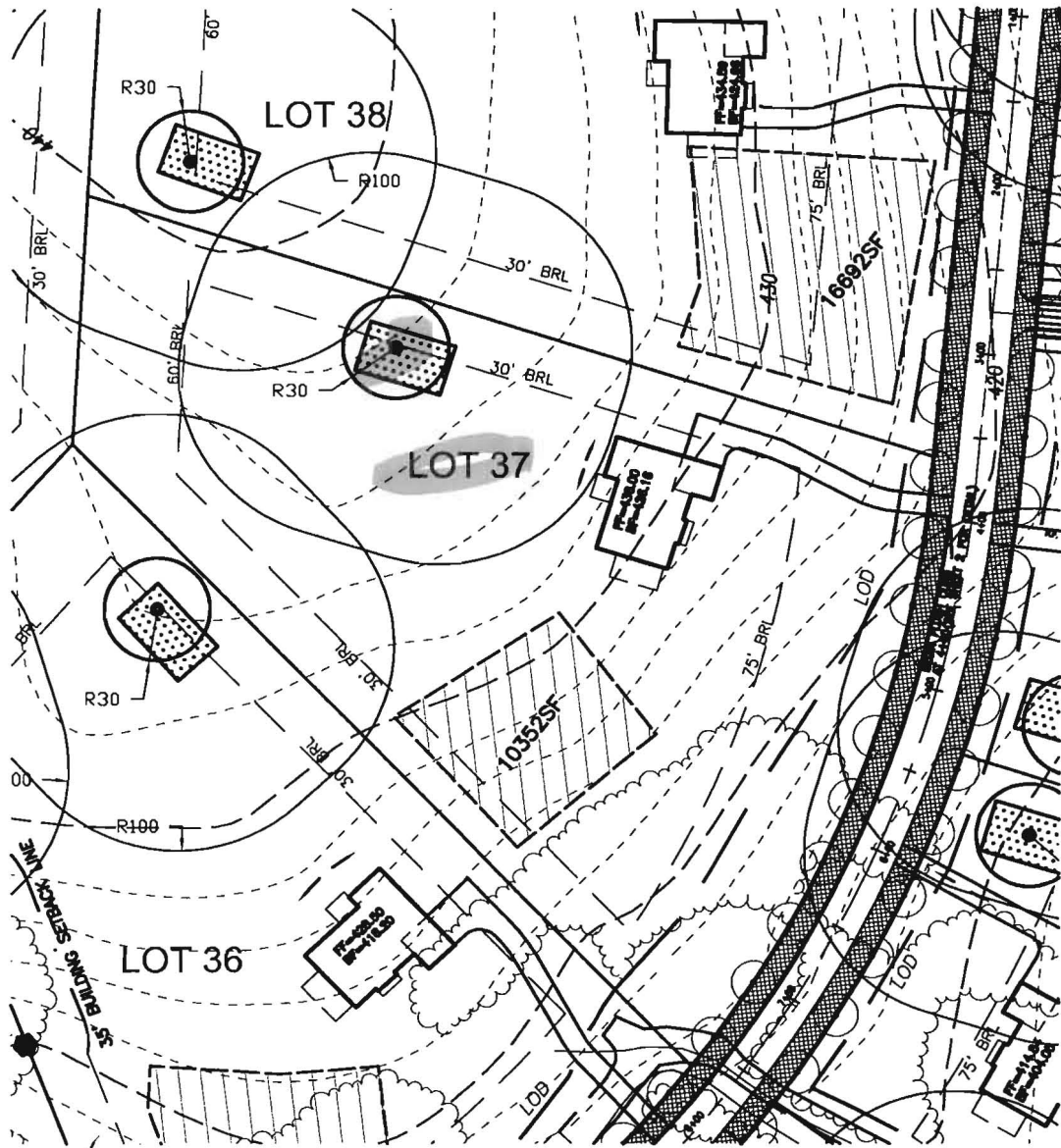
Signature of company representative responsible for installation: Robert L. Feezer date: 4/11/10

GROUND WORK COMPLETED 4/5/11

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

Date Insp. Requested: _____ Date Insp. Approved: 4/6/11 Inspector: BB

- 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



9/25/07 Well site DKG

SCALE: 1"=100'

VA 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

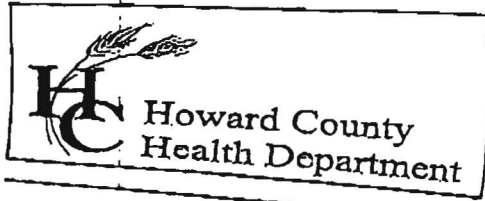
SCALE: _____ AS SHOWN
 DRAWN BY: _____ JCO
 CHECKED BY: _____ RHV
 DATE: _____ JUNE 2007
 PROJECT NO.: _____ 04-21
 SHEET NO. _____ 1 OF 1

LIME KILN VALLEY II
 PHASE 1 & 2 (LOT 37)

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:

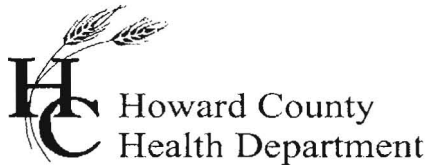
Well Site Location:		
<u>Lime Kiln Valley</u>	<u>1-39</u>	<u>Lime Kiln Valley</u>
Subdivision/Property Name	Lot#	Road Name

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

May 6, 2011

Homeowner
12810 Lime Kiln Road
Woodbine, MD 21797

RE: Lime Kiln Valley, Lot37
12810 Lime Kiln Road
BP #: B10003914
Well Tag: HO-95-1286

Dear Sir:

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 04/28/2011. Final approval of the well line connection to the dwelling was approved on 04/06/2011.**

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

Enclosed with this certificate, is a copy of the septic permit and the as-built along with important information regarding the use and maintenance of your septic system. Please read through carefully and thoroughly. Any questions regarding your well and/or septic, please call this office for guidance 410-313-1771.

INTERIM CERTIFICATE OF POTABILITY

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-95-1286. 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: 04/25/2011
Date of Well Completion: 10/25/2007

Approving Authority,



Brian Baker, R. S.
Environmental Sanitarian
Well & Septic Program

cc: Building Inspector's Office
Community Hygiene Program
File