

C1 6511

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"

OWNER: Gaudin Builders, STREET OR RFD: Pleasant Cir Ln, TOWN: Blacksburg, SUBDIVISION: Walnut Grove, SECTION: 20/10/74, LOT: 79

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 Top Soil, Clay, White mica, Sand Stone, etc.

GROUTING RECORD

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

CASING RECORD

MAIN CASING TYPE (PL), Nominal diameter top (main) casing, Total depth of main casing

OTHER CASING (if used)

Table for other casing with columns for diameter and depth

SCREEN RECORD

screen type or open hole (ST, BR, HO, PL, OT)

DEPTH (nearest ft.)

Table for depth measurements (8, 11, 15, 17, 21, 23, 24, 26, 30, 32, 36, 38, 39, 41, 45, 47, 51)

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.)

TELESCOPE CASING, LOG INDICATOR, OTHER DATA

C 3

PUMPING TEST

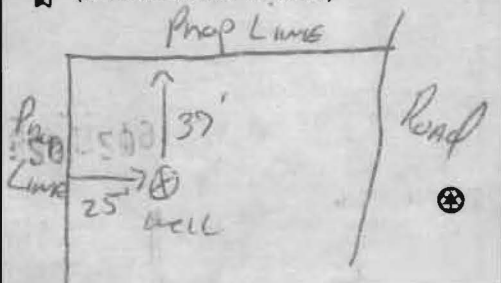
HOURS PUMPED (2), PUMPING RATE (8.5), METHOD USED TO MEASURE PUMPING RATE (Bucket), WATER LEVEL (12 ft. before, 260 ft. when pumping), TYPE OF PUMP USED (air)

PUMP INSTALLED

DRILLER INSTALLED PUMP (NO), 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 land surface)

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/N)

CIRCLE APPROPRIATE LETTER: A (well abandoned), E (electric log), P (test well converted)

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

DRILLERS LIC. NO. 1 M SD 117, DRILLERS SIGNATURE

LIC. NO. 1 D

SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework)

B 1 8981

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HD-94-4179

522054

please type

fill in this form completely

Date Received (APA)

OWNER INFORMATION

8 MM DD YY 13
15 Last Name First Name
10705 Charter Dr.
Columbia MD 21044

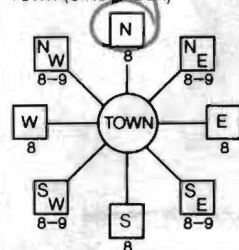
DRILLER INFORMATION

Ralph E. Mayne MS D 117
Ralph E. Mayne Inc
12024 Handy Rd Mt Airy MD 21771
Ralph E. Mayne 3-26-05

LOCATION OF WELL

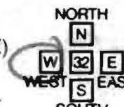
Howard
8 COUNTY 21
Walnut Grove
23 SUBDIVISION 42
SECTION 44 46 LOT 49 48 50
CLARKSVILLE
52 NEAREST TOWN 71
MILES FROM TOWN (enter 0 if in town) 2 MI

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Preakness Circle LA.
11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



34 225 37
DISTANCE FROM ROAD FT

TAX MAP: 20 BLK: 18 PARCEL 74

WELL INFORMATION
APPROX. PUMPING RATE (GAL. PER MIN.) 5
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- Domestic Potable Supply & Residential Irrigation
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 AS17420
COUNTY NAME COUNTY NO.
STATE SIGNATURE INSERT S
DATE ISSUED 4/22/05
CO SIGNATURE 4/22/06
NORTH GRID 508 0 0 0 EAST GRID 816 0 0 0

APPROXIMATE DEPTH OF WELL 150 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
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
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 DEEPEMED AN EXISTING WELL

Not to be filled in by driller (MDE OR COUNTY USE ONLY)
APPROX. PERMIT NUMBER G
PERMIT No. HD-94-4179

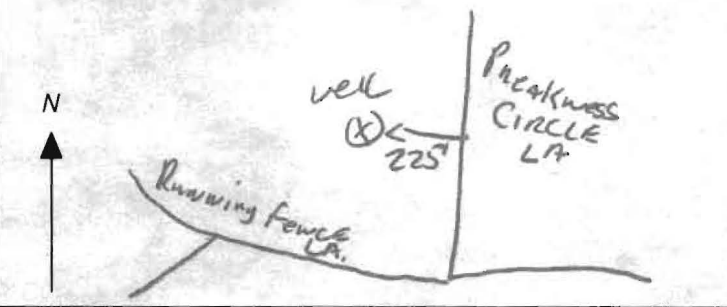
SPECIAL CONDITIONS Well to be converted to potable supply

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 516 816
N 815 508

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



No Blue Sheets

Walnut Grove

47

5

44

45

46

48

49

50

yields?

51

Test Well

25

37

63

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 Barnett Ave.
Sykesville, 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: MY HOMES Telephone #: 410-379-5956
Subdivision: Walnut Grove Lot #: 49 Well Tag #: HO-94-4179
Site Address: 12352 Breakneck Circle Ln
Clarksville, MD 21029

Submersible Pump Data

Make: SFA-RJTB
Model #: S10P4NS07221-01
Pump Capacity: 10 GPM
Well Yield: 10 GPM

Pitless Adapter

Make: Campbell
Model #: PT 800
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.:

Depth of well encountered at time of pump installation: 240 (feet) Conduit secured to well cap:
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: 12/20/10

INSPECTION CALLED IN FOR 12/17/10

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

Date Insp. Requested: _____ Date Insp. Approved: 12/14/10 Inspector: KW

- 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



Howard County
Health Department

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

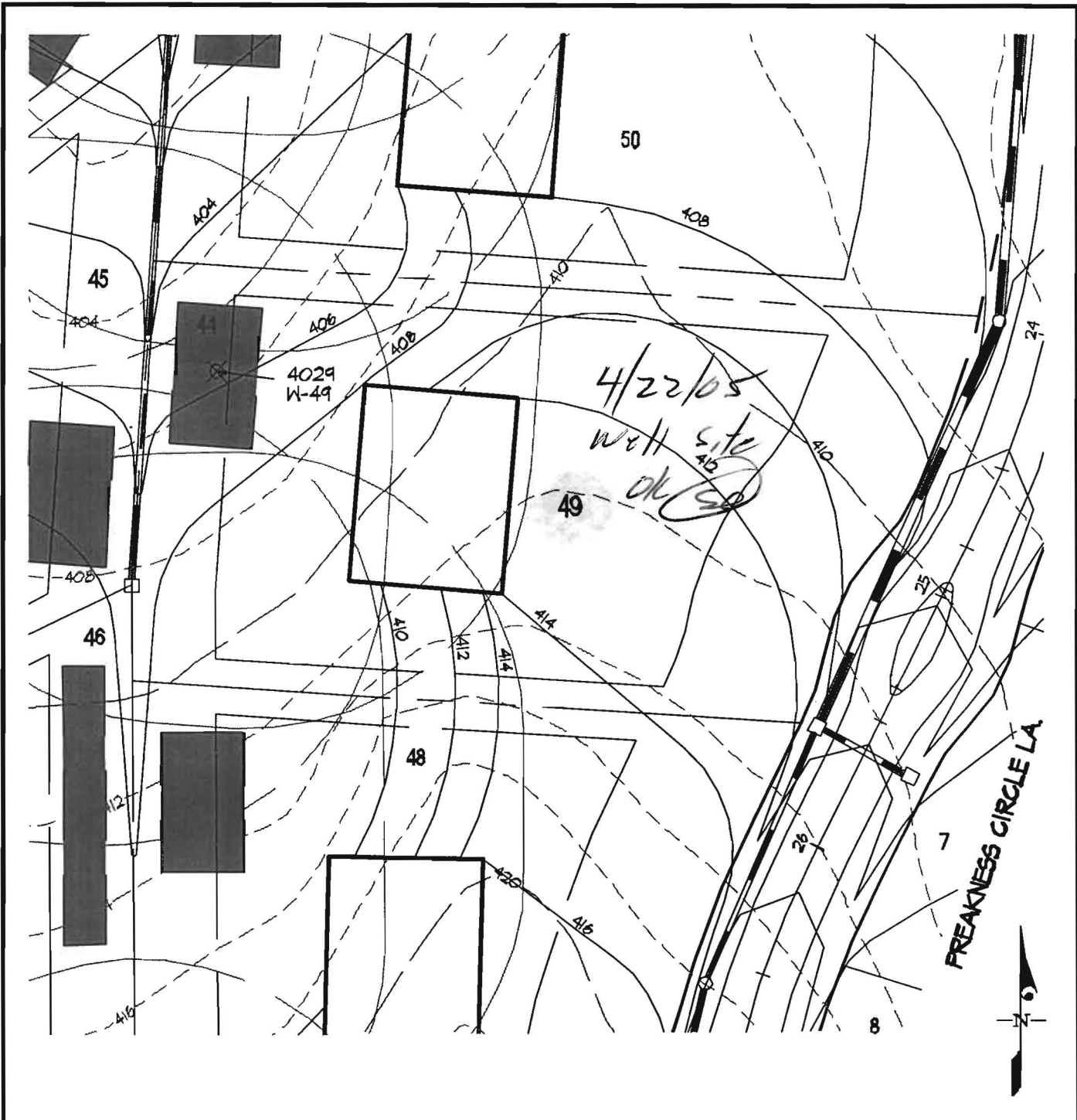
ATTENTION WELL DRILLERS!!!

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

- The well site has been staked by Gutschick, Little & Weber on 3/16/05 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



LEGEND



CONCEPTUAL HOUSE BOX

4022
W-05



WELL SURVEY POINT



WELL BOX

WELL LOCATION EXHIBIT - LOT 49

WALNUT GROVE

Lots 1 thru 88, and Preservation Parcels "A" thru "C"
and Non-Buildable Bulk Parcel "H"

GLW GUTSCHICK LITTLE & WEBER, P.A.

CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
BURTONSVILLE, MARYLAND 20886

TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-988-2524 FAX: 301-421-4188

SCALE: 1"=50'

ZONING: RC/RR-DEO

TAX MAP/GRID: 28-18/17

GLW JOB NO: 00153

APR., 2005

1 OF 1



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:

S/O Number: 80050

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

Report Date: January 11, 2011

Property Sampled: 12352 Preakness Circle Lane, 21029
Sample Location: Pressure Tank
Residual Chlorine: <0.1 mg/L

Building Permit #: B10002475
Sampler ID #: 9813AM
Samples Iced: Yes

County: Howard
Map: 28

Subdivision: Walnut Grove
Parcel: 74

Lot #: 49

Date/Time Collected in Field: January 10, 2011 @ 1:12 pm
Date/Time Received in Lab: January 10, 2011 @ 2:45 pm

Well Tag #: Tag Not Legible (Mud)
Well Condition: 2-Piece Cap, Satisfactory Condition

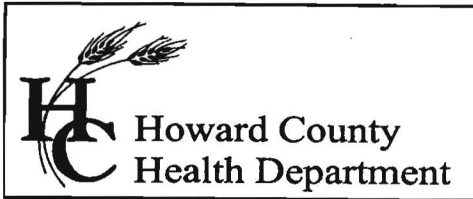
Water Treatment/Conditioning: Neutralizer

PARAMETER	METHOD	MCL/*SMCL	RESULT	PASS/FAIL
Total Coliform	SM 9223B	Absent	Absent	Pass
<i>E. coli</i>	SM 9223B	Absent	Absent	Pass
Nitrate	SM 4500D	10 mg/L as N	9.9 mg/L as N	Pass
Turbidity	EPA 180.1	10 NTU	<1.0 NTU	Pass
pH	EPA 150.1	*6.5-8.5 Units	7.2 Units	***
Sand		Negative	Negative	

Katherine C. Higgs

Katherine C. Higgs
 Administrative Assistant

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.



Bureau of Environmental Health
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

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

April 5, 2007

Walnut Grove, LLC
10705 Charter Dr.
Suite 320
Columbia, Maryland 21044

RE: Walnut Grove, Lot # 49
Well Tag: HO-94-4179

To Whom It May Concern:

A sample was collected from a yield test on March 26, 2007 and submitted to GPL Laboratories to assess the possible presence of **Gross Alpha** and **Gross Beta** in the future well water supply. **Gross Alpha** and **Gross Beta** measure the total alpha and beta particle activity in a water supply. In turn, this can provide information regarding naturally occurring radiation (i.e., Radionuclides) that may exist in your area of development within the County.

Results from this screening revealed a **Gross Alpha** of 8.6 ± 1.7 picocuries/liter (pCi/L); while the **Gross Beta** level was 9.8 ± 1.4 pCi/L. The **Gross Alpha** result was below its **maximum contaminant level (MCL)** of 15 pCi/L, while the **Gross Beta** level was below its target value of 50 pCi/L (roughly equivalent to the **annual dose rate** of 4 millirems/year).

At the time of testing and with respect to these parameters, the future well water supply appears safe for all uses. No additional testing **for these parameters** will be required to secure the future Use & Occupancy. However, other standard (potability) testing will still be necessary.

A copy of the test results is enclosed for your information. Please call this office at 410-313-1773 if you have any further questions.

Sincerely,


Bert Nixon, Deputy Director
Bureau of Environmental Health

cc: Eric Dougherty, MDE Water Mgmt., Groundwater
✓ Well & Septic File

