

C 1 07558

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED.

COUNTY NUMBER A512694D

ST/CO USE ONLY DATE Received 4 17 00

DATE WELL COMPLETED 3 6 00

Depth of Well 425 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-2512

OWNER Brantwood LLC last name Butterfruit Way first name TOWN ELICOTT CITY MD. SUBDIVISION Brantwood 21 SECTION LOT 4

WELL LOG Not required for driven wells

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows: BROWN SHALE 0-52, BLUE SLATE 52-425.

WATER AT 76-388

GROUTING RECORD WELL HAS BEEN GROUTED (Y) NO (N) TYPE OF GROUTING MATERIAL (C) M BENTONITE CLAY (B) C NO. OF BAGS 15 NO. OF POUNDS 1410 GALLONS OF WATER 90 DEPTH OF GROUT SEAL 0 to 59 ft.

CASING RECORD MAIN CASING TYPE (S) T Nominal diameter top (main) casing 6 Total depth of main casing 60

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

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

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED (Y) (N)

- 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 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS LIC. NO. 1 MWD 139 Robert Clime DRILLERS SIGNATURE

LIC. NO. 1 MWD 140 Gary Harley

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

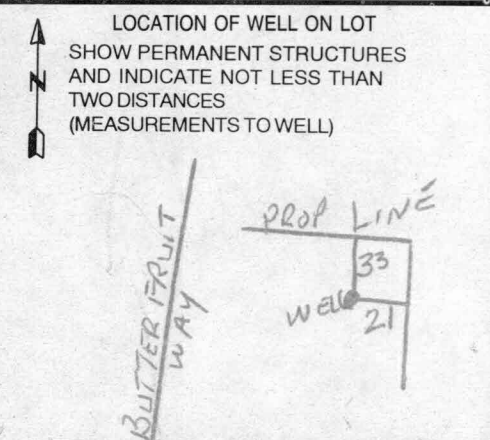
DEPTH (nearest ft.) table with rows 1-5 and columns 8, 9, 11, 15, 17, 21, 23, 24, 26, 30, 32, 36, 38, 39, 41, 45, 47, 51. Values: 40, 59, 425.

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.) W Q 70 72 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST HOURS PUMPED (nearest hour) 6 PUMPING RATE (gal. per min.) 3.3 METHOD USED TO MEASURE PUMPING RATE TIME WATER LEVEL (distance from land surface) BEFORE PUMPING 20 ft. WHEN PUMPING 150 ft. TYPE OF PUMP USED (for test) (A) air (P) piston (T) turbine (C) centrifugal (R) rotary (O) other (describe below) (J) jet (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



B 1 10797

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER

HD-94-2512 fill in this form completely

Date Received (APA)

120299

OWNER INFORMATION

Brantwood, L.L.C. Last Name Owner First Name

8835 - P Columbia 100 parkway Street or RFD

Columbia, MD 21045 Town State Zip

LOCATION OF WELL

Howard

8 COUNTY 21

Brantwood

23 SUBDIVISION 42

SECTION 2 LOT 4 Area 1

Pine Orchard

52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 2

DRILLER INFORMATION

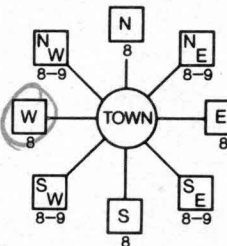
Robert L. Cline M W D 139 Driller's Name License No.

Cline & Duvall, Inc. Firm Name

8093 Hillmark Ct., Frederick, MD 21704 Address

Robert L. Cline 11/22/99 Signature Date

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Butterfruit Way 11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



34 325 37 DISTANCE FROM ROAD ENTER FT OR MI 38 39

TAX MAP: 16/23 BLK: PARCEL 16/214

WELL INFORMATION

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

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 300

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 Co A512694 D COUNTY NAME COUNTY NO.

STATE SIGNATURE INSERT S

DATE ISSUED 121099 AM M M CO SIGNATURE EXP. DATE 121000

NORTH GRID 520 000 EAST GRID 920 000

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

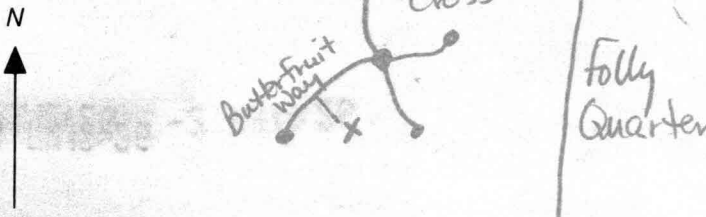
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER 1. well

WRITE THE BOX NUMBER FROM THE MAP HERE

E 820 N 520

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)

APPROX. PERMIT NUMBER 54 PERMIT No. HD-94-2512

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-2512
 Location of property (road) Butterfruit Way
 Subdivision Brantwood II Lot 4 Block _____ Plat _____ Sec. I
 Well Driller Robert Cline Owner Brantwood LLC

Depth of well 425
 Distance of measuring point (M.P.) above ground 1
 Static water level (S.W.L.) below M.P. 20

I. High rate pumping -- reservoir drawdown

Time pump started 9:00 Pumping rate 12
 Total time 30 MIN to reach pumping water level 150 ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
9:00	20	25 SECONDS		12
9:15	99	25 "		12
9:29	149	25 "		12
9:30	150	1 MIN 30 SECONDS		3.3
9:45	150	1 MIN 30 SECONDS		3.3
10:00	150	1 MIN 30 SECONDS		3.3
10:15	150	1 MIN 30 SEC		3.3
10:30	150	1 MIN 30 SEC		3.3
10:45	150	1 MIN 30 SEC		3.3
11:00	150	1 MIN 30 SEC		3.3
11:15	150	1 MIN 30 SEC		3.3
11:30	150	1 MIN 30 SEC		3.3
11:45	150	1 MIN 30 SEC		3.3
12:00	150	1 MIN 30 SEC		3.3
12:15	150	1 MIN 30 SEC		3.3
12:30	150	1 MIN 30 SEC		3.3
12:45	150	1 MIN 30 SEC		3.3
1:00	150	1 MIN 30 SEC		3.3
1:15	150	1 MIN 30 SEC		3.3
1:30	150	1 MIN 30 SEC		3.3
1:45	150	1 MIN 30 SEC		3.3
2:00	150	1 MIN 30 SEC		3.3
2:15	150	1 MIN 30 SEC		3.3
2:30	150	1 MIN 30 SEC		3.3

**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: Vincent Alberti Telephone #: 301-829-0444
Address: 3 N Main St.
Mt. Airy MD 21771

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): Winford Van Sant License# 1467

***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: WJ Jones Telephone #: 301-858-0522
Subdivision: Drankwood Lot #: 104 Well Tag #: HO-44-2512
Site Address: 11417 Butterfruit Way
Ellicott City MD 21043 4

<u>Submersible Pump Data</u>	<u>Pitless Adapter</u>	<u>Well Cap and Electric Conduit</u>
Make: <u>Goulds</u>	Make: <u>Campbell</u>	Two piece watertight cap: <input checked="" type="checkbox"/>
Model #: <u>6SB07422</u>	Model #: <u>B10X</u>	Screened, vented well cap: <input type="checkbox"/>
Pump Capacity: _____ GPM	Depth: <u>36"</u> (36" min)	Cap secured to casing: <input checked="" type="checkbox"/>
Well Yield: <u>3.3</u> GPM	NSF approved: <input checked="" type="checkbox"/>	Conduit min 18" B.G.: <input checked="" type="checkbox"/>
Depth of well encountered at time of pump installation: _____ (feet)		Conduit secured to well cap: <input checked="" type="checkbox"/>

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 _____

<u>Piping to house:</u>	<u>House Connection</u>
Type: <u>1</u>	PVC sleeved to undisturbed soil at wall penetration: <u>15 ft</u>
PSI: <u>200</u> (160 psi min)	Approximate length of sleeve: <u>15 ft</u>
Depth of supply line: <u>42</u> (36" min)	Sleeve caulked and sealed properly: <u>yes</u>

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: Winford Van Sant date: 4.23.01

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

Date Insp. Requested: 3/22/01 Date Insp. Approved: 3/23/01 (MR) SRK
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

