

1936		(MDE USE ONLY)		STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE TYPE		THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED.	
COUNTY NUMBER		DATE WELL COMPLETED		Depth of Well		PERMIT NO. FROM "PERMIT TO DRILL WELL"	
A512694		11 30 99		22 300 26 (TO NEAREST FOOT)		HO - 94 - 2400	
ST/CO USE ONLY DATE Received MM DD YY		15 20				28 29 30 31 32 33 34 35 36 37	
8 13							

OWNER <u>Brantwood LLC</u>		TOWN <u>ELLICOTT CITY MD</u>	
STREET OR RFD <u>Seneca Chief Trail</u>		SECTION <u>II</u>	
SUBDIVISION <u>Brantwood</u>		LOT <u>26</u>	

WELL LOG		
Not required for driven wells		
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING		
DESCRIPTION (Use additional sheets if needed)	FEET FROM TO	check if water bearing
BROWN SHALE	0 54	
BLUE SLATE	54 300	
WATER AT 70-111-123-225		

GROUTING RECORD	
WELL HAS BEEN GROUTED (Circle Appropriate Box)	
yes <u>Y</u>	no <u>N</u>
TYPE OF GROUTING MATERIAL (Circle one)	
CEMENT <u>CM</u>	BENTONITE CLAY <u>BC</u>
NO. OF BAGS <u>16</u>	NO. OF POUNDS <u>1504</u>
GALLONS OF WATER <u>96</u>	
DEPTH OF GROUT SEAL (to nearest foot)	
from <u>0</u> ft. to <u>59</u> ft.	
(enter 0 if from surface)	

CASING RECORD			
casing types insert appropriate code below	<u>ST</u> STEEL	<u>CO</u> CONCRETE	
	<u>PL</u> PLASTIC	<u>OT</u> OTHER	
	MAIN CASING TYPE		
	Nominal diameter top (main) casing (nearest inch)		
<u>ST</u> <u>6</u> <u>60</u>		Total depth of main casing (nearest foot)	
60 61 63 64 66 70			

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

SCREEN RECORD		
screen type or open hole	insert appropriate code below	
<u>ST</u> STEEL	<u>BR</u> BRASS	<u>HO</u> OPEN HOLE
	<u>PL</u> PLASTIC	<u>OT</u> OTHER

DEPTH (nearest ft.)	
1 <u>HO</u> 59	2 <u>300</u>
3 <u>300</u>	
SLOT SIZE 1 <u>2</u> 3 <u>3</u>	
DIAMETER OF SCREEN (NEAREST INCH)	
from <u>56</u>	to <u>60</u>

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
TELESCOPE CASING	LOG INDICATOR
	OTHER DATA

PUMPING TEST		
HOURS PUMPED (nearest hour) <u>3</u>		
PUMPING RATE (gal. per min.) <u>8.3</u>		
METHOD USED TO MEASURE PUMPING RATE <u>TIME</u>		
WATER LEVEL (distance from land surface)		
BEFORE PUMPING <u>46</u> ft.		
WHEN PUMPING <u>77</u> ft.		
TYPE OF PUMP USED (for test)		
<u>A</u> air	<u>P</u> piston	<u>T</u> turbine
<u>C</u> centrifugal	<u>R</u> rotary	<u>O</u> other (describe below)
<u>J</u> jet	<u>S</u> submersible	

PUMP INSTALLED	
DRILLER INSTALLED PUMP (CIRCLE) (YES or 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)	
<u>+</u> above	LAND SURFACE
<u>-</u> below	(nearest foot)

LOCATION OF WELL ON LOT	
SHOW PERMANENT STRUCTURES AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)	
PRO LINE	
40 15	
WEL	
SENECA CHIEF TRAIL	

NUMBER OF UNSUCCESSFUL WELLS: <u>0</u>	
WELL HYDROFRACTURED	
yes <u>Y</u>	no <u>N</u>
CIRCLE APPROPRIATE LETTER	
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. <u>MWD 139</u>	
DRILLERS SIGNATURE <u>Robert Clime</u>	
(MUST MATCH SIGNATURE ON APPLICATION)	
LIC. NO. <u>MWD 140</u>	
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	
<u>Shay Hawley</u>	

B 1 <b>09849</b> <small>1 2 3 6</small>		<b>STATE OF MARYLAND</b> <b>PERMIT TO DRILL WELL</b> please print or type		STATE PERMIT NUMBER <b>HO-94-2400</b> <small>70 fill in this form completely 79</small>	
Date Received (APA) <b>072499</b> <small>8 MM DD YY 13</small>				B 3 LOCATION OF WELL <b>Howard</b> <small>8 COUNTY 21</small> <b>Brantwood</b> <small>23 SUBDIVISION 42</small> SECTION <b>2</b> LOT <b>26</b> <b>Area 1</b> <small>44 46 48 50</small> <b>Pine Orchard</b> <small>52 NEAREST TOWN 71</small> MILES FROM TOWN (enter 0 if in town) <b>2</b> <small>73 76 77 78</small>	
<b>OWNER INFORMATION</b> <b>Brantwood, L.L.C.</b> <small>15 Last Name Owner First Name 34</small> <b>8825 - P Columbia 100 Parkway</b> <small>36 Street or RFD 55</small> <b>Columbia, MD 21045</b> <small>57 Town 70 State 72 Zip 76</small>				B 4 <small>1 2</small> DIRECTION OF WELL FROM TOWN (CIRCLE BOX) <div style="text-align: center;"> ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) <div style="text-align: center;"> <b>Seneca Chief Trail</b> <small>11 NEAR WHAT ROAD 30</small> ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) <b>725</b> <small>34 37</small> DISTANCE FROM ROAD ENTER FT OR MI <b>38</b> <b>39</b> TAX MAP: <b>16 &amp; 23</b> BLK: _____ PARCEL <b>P/O 214</b></div></div>	
<b>DRILLER INFORMATION</b> <b>Robert L. Cline</b> <b>M W D 139</b> <small>Driller's Name 76 License No. 81</small> <b>Cline &amp; Duvall, Inc.</b> <small>Firm Name</small> <b>8093 Hillmark Ct., Frederick, MD 21704</b> <small>Address</small> <b>Robert L. Cline 8/11/99</b> <small>Signature Date</small>				NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL <b>Howard Co A512694BB</b> <small>COUNTY NAME COUNTY NO.</small> STATE SIGNATURE _____ INSERT S → <b>41</b> DATE ISSUED <b>090249</b> <b>AM</b> <b>9/2/00</b> <small>43 MM DD YY 48</small> CO SIGNATURE _____ EXP. DATE NORTH GRID <b>520 000</b> EAST GRID <b>820 000</b> <small>50 55 57 63</small>	
<b>WELL INFORMATION</b> APPROX. PUMPING RATE <b>5</b> <small>(GAL. PER MIN.) 8 12</small> AVERAGE DAILY QUANTITY NEEDED <b>300</b> <small>(GAL. PER DAY) 14 20</small>				<b>USE FOR WATER</b> (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION <input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="checkbox"/> INDUSTRIAL, COMMERCIAL, DEWATERING <input type="checkbox"/> PUBLIC WATER SUPPLY WELL <input type="checkbox"/> TEST, OBSERVATION, MONITORING <input type="checkbox"/> GEO-THERMAL	
<b>APPROXIMATE DEPTH OF WELL</b> <b>250</b> FEET <small>24 28</small> <b>APPROXIMATE DIAMETER OF WELL</b> <b>6</b> INCH <small>NEAREST INCH</small>				<b>SHOW MAJOR FEATURES OF BOX &amp; LOCATE WELL WITH AN X</b> <b>SOURCES OF DRILLING WATER</b> 1. <b>well</b> 2. 3. <b>WRITE THE BOX NUMBER FROM THE MAP HERE</b> E <b>820</b> N <b>520</b> <div style="text-align: center;"></div>	
<b>METHOD OF DRILLING</b> (circle one) <b>BORED</b> (or Augered) <b>JETTED</b> <b>Jettied &amp; DRIVEN</b> <small>30 AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)</small> <small>37 CABLE REVERSE-ROTary DRIVE-POINT</small> other _____				<b>REPLACEMENT OR DEEPEMED WELLS</b> (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS <input type="checkbox"/> THIS WELL WILL DEEPEEN AN EXISTING WELL <small>39</small> PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) <b>41</b> _____ <b>52</b> <b>Not to be filled in by driller (MDE OR COUNTY USE ONLY)</b> APPROP. PERMIT NUMBER <b>54</b> G A P <b>63</b> PERMIT No. <b>HO-94-2400</b> <small>70 71 72 73 74 75 76 77 78 79</small>	
<b>SPECIAL CONDITIONS</b> <small>NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED -</small>					



## Review

Well Permit No. HO - 94 2400  
Location of property (road) Seneca chief Trail  
Subdivision Brantwood  
Well Driller Robert Cline Lot 26 Block        Plat        Sec. II  
Owner Brantwood LLC

Depth of well 300

Distance of measuring point (M.P.) above ground

Static water level (S.W.L.) below M.P. 46

Time pump started 8:30 Pumping rate 8.3 GPM  
Total time 30 MIN to reach pumping water level 74 ft. below M.P.

[illegible]

830 am 3hrs

Review \_\_\_\_\_

FIELD DATA SHEET  
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94 2400  
Location of property (road) Seneca Chief Trail  
Subdivision Brantwood  
Well Driller Robert Cline Lot 26 Block      Plat      Sec. II  
Owner Brantwood LLC

Depth of well 300  
Distance of measuring point (M.P.) above ground 1'  
Static water level (S.W.L.) below M.P. 46

I. High rate pumping -- reservoir drawdown

Time pump started 8:30 Pumping rate 873  
Total time 30 min to reach pumping water level 74 ft. below M.P.

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

[illegible]

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: Van Sant Plbg + Htg Telephone #: 301-829-0444  
Address: 300 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): Harford 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: NV - Homes Telephone #: 301-858-0522  
Subdivision: Drantwood Lot #: 1026 Well Tag #: HO-94-2400  
Site Address: 3016 Seneca Chief Trail  
Ellicott City, MD 21042

Submersible Pump Data

Make: Goulds  
Model #: \_\_\_\_\_  
Pump Capacity \_\_\_\_\_ GPM  
Well Yield: \_\_\_\_\_ GPM

Pitless Adapter

Make: Campbell  
Model #: 510K  
Depth: 42 (36" min)  
NSF approved: yes

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 arresters or Cable guards are required - Must circle one

Safety rope, if used, attached to inside of well casing with eye bolt NO

Piping to house

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

House Connection

PVC sleeved to undisturbed soil at wall penetration: 15 ft  
Approximate length of sleeve: 15 ft  
Sleeve caulked and sealed properly: yes

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

date

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

Date Insp. Requested: 9/13/01 Date Insp. Approved: 9/13/01 (BB) SRN  
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 ✓

