

ST/CO USE ONLY
DATE Received
MM DD YY
8 13

DATE WELL COMPLETED
MM DD YY
1 3 00

Depth of Well
22 275 26
(TO NEAREST FOOT)

PERMIT NO.
FROM "PERMIT TO DRILL WELL"
HO - 94 - 2399
28 29 30 31 32 33 34 35 36 37

OWNERBrantwood LLC
last namefirst name

STREET OR RFDButterfruit Way

TOWNEllicott CityMD

SUBDIVISIONBrantwood

SECTIONII

LOT23

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
FROMTO

check
if water
bearing

BROWN SHALE046

BLUE SLATE46275

WATER AT
208-255

GROUTING RECORD
yesno
WELL HAS BEEN GROUTED
(Circle Appropriate Box)
TYPE OF GROUTING MATERIAL (Circle one)
CEMENTCMBENTONITE CLAYBC
NO. OF BAGS16NO. OF POUNDS1504
GALLONS OF WATER96
DEPTH OF GROUT SEAL (to nearest foot)
from 48 TOP 52 ft. to 54 BOTTOM 58 ft.
(enter 0 if from surface)
Casing types insert appropriate code below
CASE RECORD
STEELSTCONCRETECO
PLASTICPLOTHERO
MAIN CASING TYPE
Nominal diameter top (main) casing (nearest inch)!
Total depth of main casing (nearest foot)
ST660

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

screen type or open hole
insert appropriate code below
SCREEN RECORD
STEELSTBRASSBRONZEPLASTICPL
OPEN HOLEHOTO
DEPTH (nearest ft.)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

NUMBER OF UNSUCCESSFUL WELLS:0

WELL HYDROFRACTURED
yesno
YNY

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.

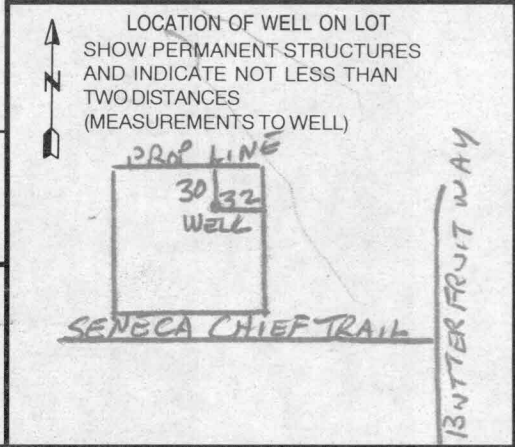
DRILLERS LIC. NO.1 MWD 139
Robert C. Cline
DRILLERS SIGNATURE
(MUST MATCH SIGNATURE ON APPLICATION)

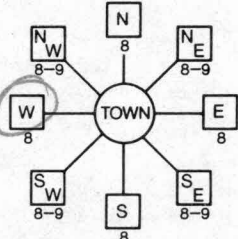
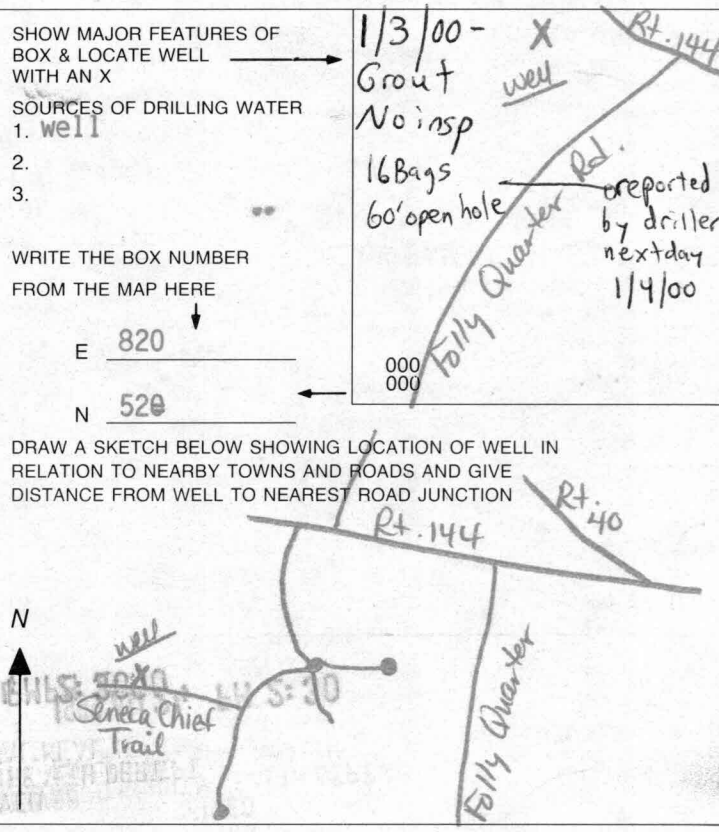
LIC. NO.1 MWD 140
Guy A. Bailey
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

GRAVEL PACK
IF WELL DRILLED
WAS FLOWING WELL
INSERT F IN BOX 68
MDE USE ONLY
(NOT TO BE FILLED IN BY DRILLER)
T (E.R.O.S.) W Q
70 72 74 75 76
TELESCOPE CASING LOG INDICATOR OTHER DATA

C3
1 2
PUMPING TEST
HOURS PUMPED (nearest hour) 3
PUMPING RATE (gal. per min.) 12
METHOD USED TO MEASURE PUMPING RATE TIME
WATER LEVEL (distance from land surface)
BEFORE PUMPING 75 ft.
WHEN PUMPING 88 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 YES NO
(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)
+ above LAND SURFACE (nearest foot)
- below 1 50 51



<div style="border: 1px solid black; padding: 2px;">B 1 09848</div>		SEQUENCE NO. (MDE USE ONLY)		STATE OF MARYLAND PERMIT TO DRILL WELL please print or type		STATE PERMIT NUMBER <div style="font-size: 1.2em;">HO-94-2399</div> <div style="font-size: 0.8em;">fill in this form completely</div>	
<div style="border: 1px solid black; padding: 2px;">Date Received (APA) 072899</div>				<div style="border: 1px solid black; padding: 2px;">B 3 Howard</div>			
OWNER INFORMATION				LOCATION OF WELL			
<div style="border: 1px solid black; padding: 2px;">8 MM DD YY 13 Brantwood, L.L.C.</div>				<div style="border: 1px solid black; padding: 2px;">8 COUNTY 21</div>			
<div style="border: 1px solid black; padding: 2px;">15 Last Name Owner First Name 34 8835 - P Columbia 100 Parkway</div>				<div style="border: 1px solid black; padding: 2px;">23 SUBDIVISION 42 Area 1</div>			
<div style="border: 1px solid black; padding: 2px;">36 Street or RFD 55 Columbia, MD 21045</div>				<div style="border: 1px solid black; padding: 2px;">SECTION 2 LOT 23 44 46 48 50</div>			
<div style="border: 1px solid black; padding: 2px;">57 Town 70 State 72 Zip 76</div>				<div style="border: 1px solid black; padding: 2px;">52 NEAREST TOWN 71 Pine Orchard</div>			
DRILLER INFORMATION				MILES FROM TOWN (enter 0 if in town)			
<div style="border: 1px solid black; padding: 2px;">Driller's Name Robert L. Cline 76 License No. M W D 139 81</div>				<div style="border: 1px solid black; padding: 2px;">73 2 76 77 78</div>			
<div style="border: 1px solid black; padding: 2px;">Firm Name Cline & Duvall, Inc.</div>				<div style="border: 1px solid black; padding: 2px;">B 4</div>			
<div style="border: 1px solid black; padding: 2px;">Address 8093 Hillmark Ct., Frederick, MD 21704</div>				<div style="border: 1px solid black; padding: 2px;">11 NEAR WHAT ROAD 30 Seneca Chief Trail</div> <div style="border: 1px solid black; padding: 2px;">ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH WEST EAST SOUTH</div> <div style="border: 1px solid black; padding: 2px;">34 195 37 DISTANCE FROM ROAD</div> <div style="border: 1px solid black; padding: 2px;">ENTER FT OR MI 38 39 16 & 23 P/O 214</div> <div style="border: 1px solid black; padding: 2px;">TAX MAP: BLK: PARCEL</div>			
<div style="border: 1px solid black; padding: 2px;">Signature Robert L. Cline Date 8/11/99</div>							
WELL INFORMATION				<div style="border: 1px solid black; padding: 2px;">DIRECTION OF WELL FROM TOWN (CIRCLE BOX) </div>			
<div style="border: 1px solid black; padding: 2px;">APPROX. PUMPING RATE 5 (GAL. PER MIN.) 8 12</div>							
<div style="border: 1px solid black; padding: 2px;">AVERAGE DAILY QUANTITY NEEDED 300 (GAL. PER DAY) 14 20</div>				<div style="border: 1px solid black; padding: 2px;">NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL Howard Co A512694Y</div> <div style="border: 1px solid black; padding: 2px;">COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S 41</div> <div style="border: 1px solid black; padding: 2px;">DATE ISSUED 090299 A m m m 9/2/00</div> <div style="border: 1px solid black; padding: 2px;">43 MM DD YY 48 CO SIGNATURE EXP. DATE</div> <div style="border: 1px solid black; padding: 2px;">NORTH GRID 520 000 EAST GRID 820 000 50 55 57 63</div>			
USE FOR WATER (CIRCLE APPROPRIATE BOX)							
<div style="border: 1px solid black; padding: 2px;"><input checked="" type="checkbox"/> DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION</div>				<div style="border: 1px solid black; padding: 2px;">SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. well 2. 3.</div> <div style="border: 1px solid black; padding: 2px;">WRITE THE BOX NUMBER FROM THE MAP HERE E 820 N 520</div> <div style="border: 1px solid black; padding: 2px;">DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION </div>			
<div style="border: 1px solid black; padding: 2px;"><input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)</div>							
<div style="border: 1px solid black; padding: 2px;"><input type="checkbox"/> INDUSTRIAL, COMMERCIAL, DEWATERING</div>				<div style="border: 1px solid black; padding: 2px;">APPROXIMATE DEPTH OF WELL 250 FEET 24 28</div>			
<div style="border: 1px solid black; padding: 2px;"><input type="checkbox"/> PUBLIC WATER SUPPLY WELL</div>							
<div style="border: 1px solid black; padding: 2px;"><input type="checkbox"/> TEST, OBSERVATION, MONITORING</div>				<div style="border: 1px solid black; padding: 2px;">APPROXIMATE DIAMETER OF WELL 6 INCH</div>			
<div style="border: 1px solid black; padding: 2px;"><input type="checkbox"/> GEO-THERMAL</div>							
METHOD OF DRILLING (circle one)				<div style="border: 1px solid black; padding: 2px;">REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)</div> <div style="border: 1px solid black; padding: 2px;"><input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL</div> <div style="border: 1px solid black; padding: 2px;"><input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED</div> <div style="border: 1px solid black; padding: 2px;"><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</div> <div style="border: 1px solid black; padding: 2px;"><input type="checkbox"/> THIS WELL WILL DEEPEEN AN EXISTING WELL</div> <div style="border: 1px solid black; padding: 2px;">PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52</div>			
<div style="border: 1px solid black; padding: 2px;">BORED (or Augered) JETTED Jetted & DRIVEN</div>							
<div style="border: 1px solid black; padding: 2px;">30 AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)</div>				<div style="border: 1px solid black; padding: 2px;">Not to be filled in by driller (MDE OR COUNTY USE ONLY)</div> <div style="border: 1px solid black; padding: 2px;">APPROX. PERMIT NUMBER 54 G A P 63</div> <div style="border: 1px solid black; padding: 2px;">PERMIT No. HO-94-2399</div>			
<div style="border: 1px solid black; padding: 2px;">37 CABLE REVerse-ROTary DRive-POINT</div>							
<div style="border: 1px solid black; padding: 2px;">other</div>				<div style="border: 1px solid black; padding: 2px;">SPECIAL CONDITIONS</div> <div style="border: 1px solid black; padding: 2px;">NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED -</div>			
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)							

Well Permit No. HO - 94 2399
Location of property (road) Seneca chief Trail
Subdivision Brantwood Lot 23 Block Plat Sec. II
Well Driller Robert Cline Owner Brantwood LLC

Depth of well 275
Distance of measuring point (M.P.) above ground 1
Static water level (S.W.L.) below M.P. 75

Time pump started 12:15 Pumping rate 12
Total time 30 MIN to reach pumping water level 88 ft. below M.P.

[illegible]

Review _____

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94 2399
Location of property (road) Seneca Chief Trail
Subdivision Brantwood Lot 23 Block Plat Sec. II
Well Driller Robert Cline Owner Brantwood LLC

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

I. High rate pumping -- reservoir drawdown

Time pump started _____ Pumping rate _____
Total time _____ to reach pumping water level _____ 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 Pkg. & Hvy Telephone #: 301-829-0444
Address: 300 McLean Rd.
MD 20721

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): Harold 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: W. Adams Telephone #: 301-858-0522
Subdivision: Brentwood Lot #: 1003 Well Tag #: HO-94-2399
Site Address: 308 Seneca Circle Trail
Columbia, MD 21042

Submersible Pump Data	Pitless Adapter	Well Cap and Electric Conduit
Make: <u>Goulds</u>	Make: <u>Campbell</u>	Two piece watertight cap: <input checked="" type="checkbox"/>
Model #: <u>1130742</u>	Model #: <u>510X</u>	Screened, vented well cap: <input checked="" type="checkbox"/>
Pump Capacity: _____ GPM	Depth: <u>42</u> (36" min)	Cap secured to casing: <input checked="" type="checkbox"/>
Well Yield: _____ GPM	NSF approved: <u>Yes</u>	Conduit min 18" B.G.: <input checked="" type="checkbox"/>
Depth of well encountered at time of pump installation: <u>274</u> (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 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: 54
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: Harold Van Sant date: 5.30.01

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

Date Insp. Requested: 4/30/01 Date Insp. Approved: 4/30/01
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 ☒

SRK
BB

GE A. GARBUIT
AND
RUDE J. GARBUIT
995 / 123
ZONED: RC

