

C1 1934

SEQUENCE NO.
(MDE USE ONLY)STATE OF MARYLAND
WELL COMPLETION REPORTFILL IN THIS FORM COMPLETELY
PLEASE TYPETHIS REPORT MUST BE SUBMITTED AFTER
WELL IS COMPLETED.COUNTY
NUMBER

A512694T

ST/CO USE ONLY

DATE Received
MM DD YY

8 13

DATE WELL COMPLETED

MM DD YY
12 7 99

Depth of Well

22 275 26
(TO NEAREST FOOT)PERMIT NO.
FROM "PERMIT TO DRILL WELL"

H0-94-2398

OWNER

Brantwood LLC

STREET OR RFD

last name

Butterfruit Way

first name

TOWN

ELLICOTT CITY MD

SUBDIVISION

Brantwood

SECTION

II

LOT

19

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR
COLOR, DEPTH, THICKNESS AND IF WATER BEARINGDESCRIPTION (Use
additional sheets if needed)

FEET

FROM

TO

check
if water
bearing

BROWN SHALE

0

60

BLWB SLATE

60

275

✓

WATER AT
255

GROUTING RECORD

yes no

WELL HAS BEEN GROUTED
(Circle Appropriate Box)Y N
44 44

TYPE OF GROUTING MATERIAL (Circle one)

CEMENT C M

BENTONITE CLAY B C

NO. OF BAGS 21

NO. OF POUNDS 1974

GALLONS OF WATER 126

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 73 ft.
48 TOP 52 54 BOTTOM 58
(enter 0 if from surface)

CASING RECORD

casing
types
insert
appropriate
code
below

S T

STEEL

C O

CONCRETE

P L

PLASTIC

O T

OTHER

MAIN
CASING
TYPENominal diameter
top (main) casing
(nearest inch)Total depth
of main casing
(nearest foot)

ST

6

74

60 61

63 64

66 67

70

OTHER CASING (if used)

diameter

inch

depth (feet)

from to

screen type
or open hole(insert
appropriate
code
below)

SCREEN RECORD

S T

STEEL

B R

BRASS

BRONZE

P L

PLASTIC

H O

OPEN

HOLE

O T

OTHER

C 2

DEPTH (nearest ft.)

1 2

H0

8 9 11

15 17

21

23 24 26

30 32

36

38 39 41

45 47

51

SLOT SIZE 1 2 3

D I A M E T E R

OF SCREEN

(NEAREST

INCH)

from

to

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

68

MDE USE ONLY

(NOT TO BE FILLED IN BY DRILLER)

T

(E.R.O.S.)

W Q

70

72

74

75

76

TELESCOPE
CASINGLOG
INDICATOR

OTHER DATA

C 3

1 2

PUMPING TEST

HOURS PUMPED (nearest hour)

3

PUMPING RATE (gal. per min.)

10

METHOD USED TO

MEASURE PUMPING RATE

TIME

WATER LEVEL (distance from land surface)

BEFORE PUMPING

70

17 20

ft.

WHEN PUMPING

114

22 25

ft.

TYPE OF PUMP USED (for test)

A

air

P

piston

T

turbine

C

centrifugal

R

rotary

O

other

J

jet

S

submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP

(CIRCLE) (YES or NO)

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

LAND SURFACE

-

below

(nearest
foot)

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURES
AND INDICATE NOT LESS THAN
TWO DISTANCES
(MEASUREMENTS TO WELL)

SENECA CREEK TRAIL

PROP LINE

18

65

WELL

BUTTERFRUIT
WAY

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED

yes

Y

no

N

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
WELLI 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

1

DRILLERS SIGNATURE

(MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1

MWD 140

1

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

B 1 09844

SEQUENCE NO.
(MDE USE ONLY)STATE OF MARYLAND
PERMIT TO DRILL WELL
please print or type

STATE PERMIT NUMBER

H0-94-2398
fill in this form completely

Date Received (APA)

07/24/99
8 MM DD YY 13

OWNER INFORMATION

Brantwood, L.L.C.
 15 Last Name Owner First Name 34
 8835 - P Columbia 100 Parkway
 36 Street or RFD 55
 Columbia, MD 21045
 57 Town 70 State 72 Zip 76

DRILLER INFORMATION

Robert L. Cline M W D 139
 Driller's Name 76 License No. 81
 Cline & Duvall, Inc.
 Firm Name
 8093 Hillmark Ct., Frederick, MD 21704
 Address
 Robert L. Cline 8/11/99
 Signature Date

B 2 WELL INFORMATION

APPROX. PUMPING RATE
 (GAL. PER MIN.) 5
 8 300 12
 AVERAGE DAILY QUANTITY NEEDED
 (GAL. PER DAY) 14 20

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

APPROXIMATE DEPTH OF WELL 250 FEET
24 28APPROXIMATE DIAMETER OF WELL 6 INCH
NEAREST INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN
 30 AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)
 37 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

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED
 (IF AVAILABLE) 41 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER 54 G A P 63
 PERMIT No. H0-94-2398
 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED *

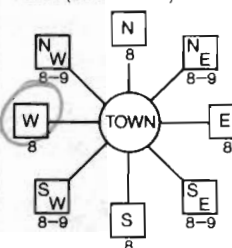
B 3 Howard

LOCATION OF WELL

8 COUNTY 21
 BRantwood
 23 SUBDIVISION 42
 SECTION 2 LOT 19 Area 1
 44 46 48 50
 Pine Orchard
 52 NEAREST TOWN 71
 MILES FROM TOWN (enter 0 if in town) 2 M I
 73 76 77 78

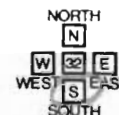
B 4

1 2
 DIRECTION OF WELL FROM
 TOWN (CIRCLE BOX)



Seneca Chief Trail

11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD
(CIRCLE APPROPRIATE BOX)

34 35 37
 DISTANCE FROM ROAD
 ENTER FT OR MI 38 39

TAX MAP: 16 & 23 BLK: P/O 214

NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL

Howard Co A512694T
 COUNTY NAME COUNTY NO.

STATE SIGNATURE INSERT S 41

DATE ISSUED 090299 A M Moll 9/2/00
 43 MM DD YY 48 CO SIGNATURE EXP. DATE

NORTH GRID 520 0 0 0 EAST GRID 820 0 0 0
 50 55 57 63

SHOW MAJOR FEATURES OF
 BOX & LOCATE WELL
 WITH AN X

SOURCES OF DRILLING WATER

- well
-
-

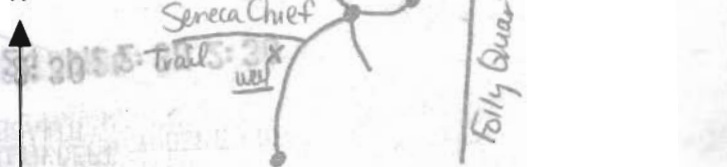
WRITE THE BOX NUMBER
 FROM THE MAP HERE

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

N



Owner: Brantwood, LLC
 Esmt. Holder: Brantwood Community Association, Inc.
 Howard County, MD

P/O Preservation Parcel "F"
 (Non-Buildable)

4.1875 Acst+/-
 182,408 sq ft

(See General Note #20, Sht. 1)

P/O P. 214

mission Corporation
 N 56°13'57"E
 202.95'

erfruit
 Road - 50' R/W

N 18°01' W 181.37'

R= 291.00'

L= 192.65'

L= 225.78'

L= 225.78'

L= 225.78'

L= 225.78'

L= 225.78'

L= 225.78'

L= 225.78'

L= 225.78'

L= 225.78'

11/23/99

This well site chosen & approved after well permit was issued - Bruce Burton said he staked this site and water line crossing

MATCHLINE SEE SHEET 2

Seneca Chief

Way

Lot 24
 0.9220 Acst+/-
 40,162 sq.ft

Lot 25
 1.1287 Acst+/-
 49,167 sq.ft

Lot 29
 1.1353 Acst+/-
 49,454 sq.ft

Lot 28
 1.1839 Acst+/-
 51,571 sq.ft

Lot 30
 .3383 Acst+/-
 14,688 sq.ft

Lot 19
 1.3710 Acst+/-
 59,721 sq.ft

Parcel G2
 Feaga
 L. F.
 Zoned: RC

Name	
Butterfr	
Butterfr	
Butterfr	
Butterfr	
Butterfr	
Butterfr	
Butterfr	
Seneca C	
Seneca C	
Seneca C	
Seneca C	
Seneca C	



Planning ♦ Engineering ♦ Surveying

MEMORANDUM

TO : ~~Nick Liparini~~ *AMY*
FROM : Bruce Burton
DATE : December 9, 1999
RE : Brantwood 2/1
Well Site Locations

Please be informed that the well located on Lot 19 has been drilled in the wrong location. The well site should have been staked on the far side of the gas line right-of-way adjacent to Butterfruit Way (see drawing attached).

If the location of the drilled well on Lot 19 is maintained, the previously approved sewage disposal easements on Lots 29 and 30 cannot be utilized.

I would recommend abandonment of the well and re-drilling at the approved location.

cc: John Liparini, Brantwood LLC
Amy McMillen, Health Dept.
Joey Ecker, CFS
Wayne Flack, NC

28

29

30

EXIST.
DRILLED
LOCATION

19

APPROVED LOCATION

Radiol

2

3

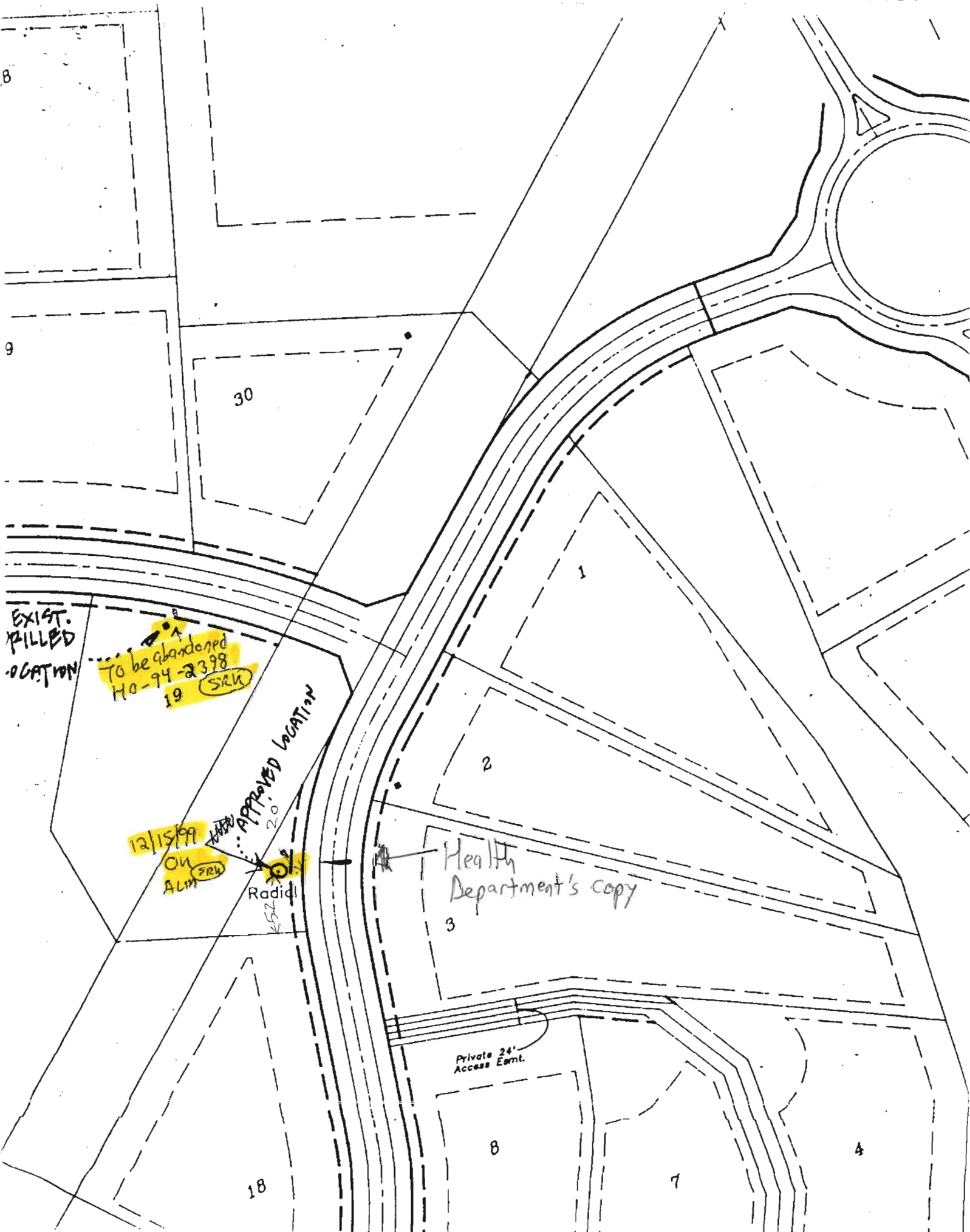
Private 24'
Access Esmt.

8

18

7

4







HOWARD COUNTY HEALTH DEPARTMENT

Diane L. Matuszak, M.D., M.P.H., County Health Officer

January 11, 2000

Robert L. Cline
Cline & Duvall, Inc.
8093 Hillmark Ct.
Frederick, MD 21704

RE: Well Permit Procedures
Brantwood Lot 19
Seneca Chief Trail
Brantwood Lot 31
Lancelot Cross

Dear Mr. Cline:

Recently, this office approved a well permit for each of the referenced lots because the original drilled wells were not in approved locations. This letter is to discuss the permit procedures that were followed and to clarify the correct permit procedures that should be followed in the future.

Previous discussions indicated that a replacement well permit application should be submitted for lot 19, and that no permit fee would be required. A new permit number was also issued for this lot and an abandonment report is expected. In light of previous discussions, lot 31 will be treated in the same fashion. However, in the future, different procedures will apply.

Because the well completion report for lot 19 (permit # HO-94-2398) had not been submitted at the time of your inquiry, submission of a new well permit was not necessary. Section 26.04.04.06 C of COMAR states, "If it is necessary to relocate a newly drilled domestic well ... because of a well construction problem, the well driller may relocate the well construction site under the authority of the original permit" as long as the new location is approved.

In this case, the existing well can be considered a dry hole (unsuccessful well) contingent upon proper abandonment and documentation on a completion report. In the future, replacement well applications will require an \$80 permit fee if the original well completion report has been received and the primary reason to drill the proposed well is the inconvenient location of the original well.

Thank you in advance for your cooperation in this matter.

Very truly yours,
Steven R. Krieg
Steven R. Krieg, Sanitarian
Water and Sewerage Program

SRK
cc: File ✓

MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION
2500 BROENING HIGHWAY, BALTIMORE, MARYLAND 21224, (410) 631-3784

WATER WELL ABANDONMENT-SEALING REPORT FORM

SUBMIT COPIES OF COMPLETED FORM TO:

- * COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- * WELL OWNER
- * MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: JAN 3 2000 (month/day/year)

* PERMIT NUMBER OF ABANDONED WELL (if any)

* PERMIT NUMBER OF REPLACEMENT WELL

* PERSON ABANDONING WELL: JAMES MOORE

WELL DRILLERS LICENSE NUMBER: 141

CIRCLE: MWD/MSD/MGD

* OWNER'S NAME: BRANTWOOD LLC

* WELL LOCATION:

COUNTY: HOWARD

NEAREST TOWN: PINE ORCHARD

TAX MAP _____ BLOCK _____ PARCEL _____

SUBDIVISION: BRANTWOOD

SECTION: 2 LOT: 19

NEAREST ROAD: SENECA CHIEF TRAIL

MARYLAND GRID COORDINATES

BOX NUMBER E 820

N 520

	X	
000		
000		

SHOW WELL LOCATION
BY X WITHIN BOX

* TYPE OF WELL BEING ABANDONED:

- ☒ DRILLED ☐ JETTED
- ☐ BORED/AUGURED ☐ HAND DUG
- ☐ OTHER (specify) _____

* USE CODE:

- ☒ DOMESTIC ☐ MUNICIPAL/PUBLIC
- ☐ IRRIGATION ☐ INDUSTRIAL
- ☐ TEST/OBSERVATION

* TYPE OF CASING:

- ☒ STEEL ☐ PLASTIC
- ☐ CONCRETE ☐ OTHER (specify) _____

* SIZE OF CASING: 6 INCHES IN DIAMETER

* DEPTH OF WELL: 275 FEET DEEP

* WAS ANY CASING REMOVED? ☒ YES ☐ NO
if yes, length removed, in feet: 4

* WAS CASING RIPPED OR PERFORATED? ☐ YES ☒ NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
DIRT	0	3
CEMENT	3	40
CRUSHED		
STONE	40	275

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN

LICENSE #

CIRCLE ONE

DATE

DENV 828 JULY 1993

2) COUNTY ENVIRONMENTAL AGENCY

James A. Moore 141 MWD/MSD/MGD JAN 3, 2000



HOWARD COUNTY HEALTH DEPARTMENT

Diane L. Matuszak, M.D., M.P.H., County Health Officer

February 2, 2000

Attn: Mr. James Moore
Cline & Duvall, Inc.
8093 Hillmark Ct.
Frederick, MD 21704

RE: Well Abandonment Procedures
Brantwood Lot - 19
Seneca Chief Trail
Well Permit # HO-94-2398

Dear Mr. Moore:

Recently, this office received a well abandonment report form for well HO-94-2398. The log of sealing material suggests that the well was abandoned improperly.

As reported, crushed stone was placed in the well from 275 feet up to 40 feet, followed by cement from 40 feet to 3 feet. The well completion report received for well HO-94-2398 states that the depth of the casing is 74 feet. In this case, proper abandonment procedures would have been to fill the well with crushed stone to a point approximately 5 feet below the bottom of the casing (275 feet up to 79 feet) and then fill the remainder of the well with cement.

The reason for filling the well with cement to this point is to ensure adequate protection from potential groundwater contamination at the bottom of the casing. Refer to COMAR 26.04.04.11.F for additional detail. In the future, please confirm that proper abandonment procedures are employed.

If you have any further questions regarding this matter please call (410) 313-2640. Thank you in advance for your cooperation in this matter.

Very truly yours,
Steven R. Krieg
Steven R. Krieg, Sanitarian
Water and Sewerage Program

SRK

cc: File ✓