

C1 6536 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE TYPE

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

COUNTY NUMBER

1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

ST/CO USE ONLY DATE Received MM DD YY

DATE WELL COMPLETED MM DD YY 4 13 07

Depth of Well 22 258 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-95-0607

OWNER Freeman, Dave last name first name STREET OR RFD 6108 Adcock Lane TOWN Harover SUBDIVISION SECTION LOT

WELL LOG Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one) CEMENT [CM] BENTONITE CLAY [BC] NO. OF BAGS 12 NO. OF POUNDS 45 1800 GALLONS OF WATER 300 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 258 ft.

CASING RECORD casing types insert appropriate code below MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot)

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

SCREEN RECORD screen type or open hole insert appropriate code below STEEL [ST] BRASS [BR] OPEN HOLE [HO] PLASTIC [PL] OTHER [OT]

C 3 PUMPING TEST HOURS PUMPED (nearest hour) 8 9 PUMPING RATE (gal. per min.) 11 15 METHOD USED TO MEASURE PUMPING RATE WATER LEVEL (distance from land surface) BEFORE PUMPING 17 20 ft. WHEN PUMPING 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 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 [] below LAND SURFACE (nearest foot) 49 50 51

NUMBER OF UNSUCCESSFUL WELLS: 2 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 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.

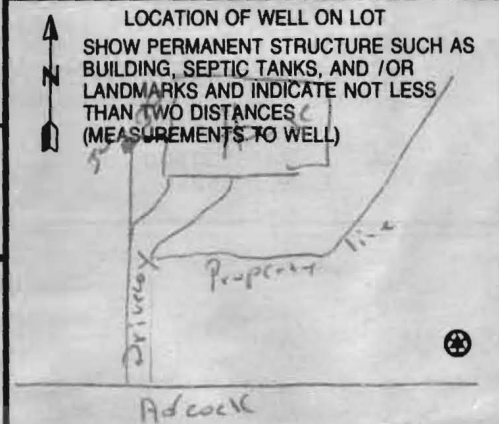
DRILLERS LIC. NO. 1 MUD 355 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 1 D 553

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

C 2 DEPTH (nearest ft.) 1 2 3 4 5 6 7 8 9 11 15 17 21 23 24 26 30 32 36 38 39 41 45 47 51 SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 56 60 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 CASING LOG INDICATOR OTHER DATA



B 1 9207
1 2 3 6

SEQUENCE NO.
(MDE USE ONLY)

STATE OF MARYLAND
APPLICATION FOR PERMIT TO DRILL WELL
please type

STATE PERMIT NUMBER
10-95-0627
70 fill in this form completely 79

Date Received (APA)

OWNER INFORMATION

8 MM DD YY 13
15 Last Name Owner First Name 34
36 Street or RFD 55
57 Town 70 State 72 Zip 76
Freeman, Dave
6108 Adack Lane
Hanover, Md 21076

B 3

LOCATION OF WELL

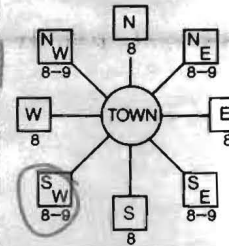
8 COUNTY 21
23 SUBDIVISION 42
SECTION 44 46 LOT 48 50
52 NEAREST TOWN 71
MILES FROM TOWN (enter 0 if in town) 73 76 77 78
Howard
Cranbury Woods
Elkridge
2 (M I)

DRILLER INFORMATION

Driller's Name 76 License No. 81
Firm Name
Address
Signature Date
Michael Barlow M D 355
Michael Barlow Well Drilling Srvc
532 Underwood Ln, Bel Air, Md
4/12/07 21014

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



11 NEAR WHAT ROAD 30
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
34 200 37
DISTANCE FROM ROAD
ENTER FT OR MI 38 39
TAX MAP: 30 BLK: 9 PARCEL 9/2
6108 Adack Lane
NORTH
WEST EAST
SOUTH

B 2

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 8 12
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20
0
000

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
- F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
- I INDUSTRIAL, COMMERCIAL, DEWATERING
- P PUBLIC WATER SUPPLY WELL
- T TEST, OBSERVATION, MONITORING
- G GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

County Name 13
STATE SIGNATURE
DATE ISSUED 4/20/07
CO-SIGNATURE 4/20/08
NORTH GRID 50 500 0 0 0 EAST GRID 57 879 0 0 0

APPROXIMATE DEPTH OF WELL 24 28 FEET
300

APPROXIMATE DIAMETER OF WELL 6 INCH 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)

- N THIS WELL WILL NOT REPLACE AN EXISTING WELL
- Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
- S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
- D THIS WELL WILL DEEPEM AN EXISTING WELL

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

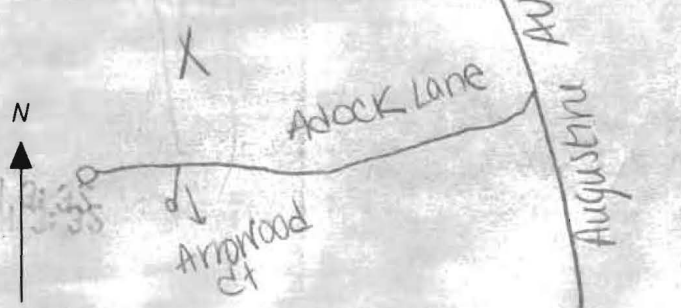
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

- SOURCES OF DRILLING WATER
- 1.
- 2.
- 3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 500 879 000
N 880 500 000

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)

APPROP. PERMIT NUMBER G
PERMIT No. 10-95-0627
70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

Transferred from Wolford Well Drilling

B 1 4568

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER 40-95-0627 fill in this form completely

1526203 please type

OWNER INFORMATION: Date Received (APA), Freeman, David, 6108 Adcock Lane, Hanover, MD 21076

LOCATION OF WELL: Howard County, Chabury Woods, SECTION 44 46, LOT 48 50, NEAREST TOWN Hanover, MILES FROM TOWN 3

DRILLER INFORMATION: Robert P Copsy, M S D 1161, 429 Mountain Rd - 21022, Robert P Copsy 1/19/07

WELL INFORMATION: APPROX. PUMPING RATE 8 GAL. PER MIN., AVERAGE DAILY QUANTITY NEEDED 360 GAL. PER DAY, USE FOR WATER: G (GEO-THERMAL)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL: COUNTY NAME Howard, COUNTY NO. 13, DATE ISSUED 1/26/07, CO SIGNATURE [Signature], EXP. DATE 1/26/08

WELL INFORMATION: APPROX. PUMPING RATE 8 GAL. PER MIN., AVERAGE DAILY QUANTITY NEEDED 360 GAL. PER DAY, USE FOR WATER: G (GEO-THERMAL)

APPROXIMATE DEPTH OF WELL 150 FEET, APPROXIMATE DIAMETER OF WELL 4 INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X, SOURCES OF DRILLING WATER: 1. AA-81-0980, 2. AA-91-1800, WRITE THE BOX NUMBER FROM THE MAP HERE: E 8789

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 REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION: Sketch showing Adcock Lane, Arroyo Ct, and Augustine Ave.

Not to be filled in by driller (MDE OR COUNTY USE ONLY): APPROX. PERMIT NUMBER G, PERMIT No. 40-95-0627

SPECIAL CONDITIONS: Bottom to Top w/ COMAR approval grant

01-218352

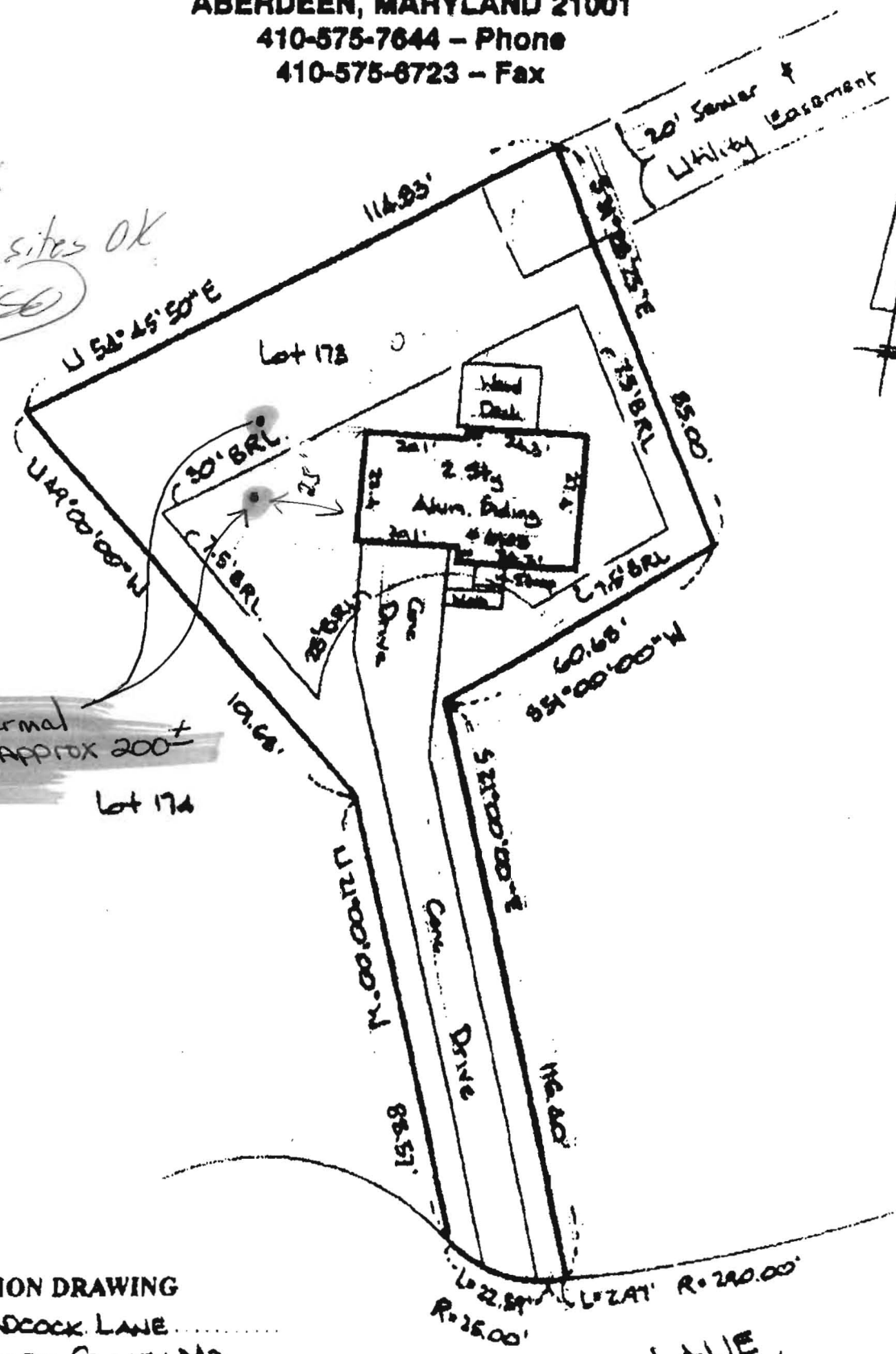
HOPKINS ENGINEERING

3704 CHURCHVILLE ROAD
ABERDEEN, MARYLAND 21001

410-575-7644 - Phone
410-575-8723 - Fax

1/26/06
Geo Well sites OK
(S)

Geothermal
WELLS APPROX 200'
EACH.



LOCATION DRAWING

ADDRESS: 6108 ADCOCK LANE
 COUNTY/CITY: HOWARD COUNTY, MD.
 PLATBOOK: # 9127
 DEED REF: LIBER. 5101, FOLIO 890
 SUBDIV NAME: "CAMBURY WOODS"
 LOTS 171, 172, 173, 174

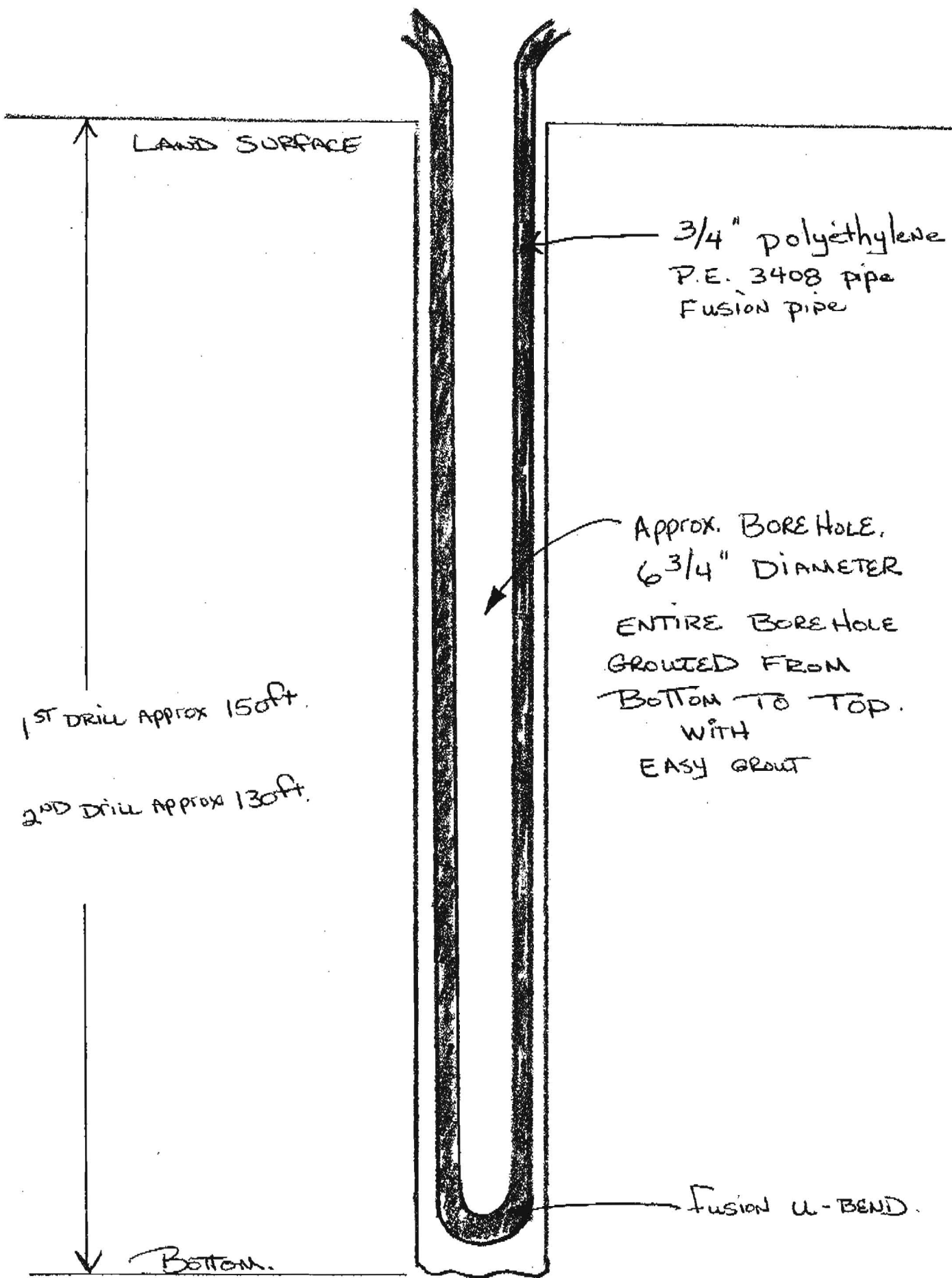
ADCOCK

LAKE

30' R/W

8/5/00





LAND SURFACE

3/4" polyethylene
P.E. 3408 pipe
Fusion pipe

Approx. BORE HOLE,
6 3/4" DIAMETER
ENTIRE BORE HOLE
GROUTED FROM
BOTTOM TO TOP.
WITH
EASY GROUT

1st DRILL APPROX 150ft.

2nd DRILL APPROX 130ft.

Fusion U-BEND.

Bottom.

LAYOUT _____ INSP 4 _____
INSP 2 _____ INSP 5 _____
INSP 3 _____ INSP 6 _____

ISSUE DATE: 01/23/07

APPROVAL DATE: _____

PERMIT

P _____

A 526203

TAX ID # 01-218352

**ON-SITE SEWAGE DISPOSAL SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH**

_____ IS PERMITTED TO INSTALL ALTER

ADDRESS: _____ PHONE NUMBER: _____

SUBDIVISION: Canbury Woods LOT NUMBER: 173

ADDRESS: 6108 Adcock Lane PROPERTY OWNER: David Freeman

SEPTIC TANK CAPACITY (GALLONS): _____ OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): _____ COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: _____

SQUARE FEET PER BEDROOM: _____

LINEAR FEET OF TRENCH REQUIRED: _____

| | |
|-----------|---|
| TRENCHES: | Trench to be feet wide. Inlet feet below original grade. Bottom maximum depth feet below original grade. Effective area begins at feet below original grade. feet of stone below distribution pipe. |
| LOCATION: | <u>PUBLIC UTILITIES -- GEO-THERMAL WELLS</u> |
| NOTES: | |

PLANS APPROVED: _____ DATE: _____

- NOTE: PERMIT VOID AFTER 2 YEARS
- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED

**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS
RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM
PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT
CALL 410-313-1771 FOR INSPECTION OF SEPTIC SYSTEM**

*Need
Well Completion
Not*

Stuart Oster - DAVID FREEMAN

From: "Robert Copsey"
To:
Date: 4/12/2007 12:57 PM
Subject: DAVID FREEMAN

4/12/07

Mr. Oster

Please take this email as conformation to transfer well permit HO-95-0627

Owner David Freeman
6108 Adcock Lane
Hanover, Md. 21076

From : Robert Copsey / Wolfords Well & Pump Service Lic # MSD 161

To : Michael Barlow

Thank you for your help

Mr. Oster -
Please transfer
the permit fee.
Thank you.
Mike Barlow

Permit Transferred to
Barlow. Give new
permit to Stuart
Thane

NO REFUND - MONEY WORKED OUT BETWEEN
DRILLERS