

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

INDEX

ELLICOTT CITY

DISTRICT 3rd

DATE April 13, 1981

Mr. William M. Hales

IS PERMITTED TO INSTALL ☒ ALTER

ADDRESS 11 Madison Mills Ct.

PHONE 744-6077

SUBDIVISION Sandy Hill Estates

ROAD

2402 Sand Hill Rd LOT 1

PROPERTY OWNER Mr. William M. Hales

ADDRESS Same as above

SPECIFICATIONS 3 Bedrooms

SEPTIC TANK CAPACITY 1000 GALLONS

DRAIN FIELD DEPTH FEET, BOTTOM AREA SQ. FT.

DEEP TRENCH DEPTH FEET, BOTTOM AREA SQ. FT.

SEEPAGE PITS ABSORBENT SIDE-WALL AREA SQ. FT.

INLET PIPE FT. BELOW ORIGINAL GRADE, MAXIMUM DEPTH FT. BELOW ORIGINAL GRADE

EFFECTIVE DEPTH AT FT. BELOW ORIGINAL GRADE.

LOCATE DISPOSAL AREA FT. FROM LOT LINE AND FT. FROM LOT LINE AS SEEN WHEN
FACING LOT FROM

Tile Field - 125 sq ft bottom area per bedroom installed at a depth of 4ft.
below original grade with one ft of gravel under pipe. Begin tile field at
point 105 ft from left line & 150 ft from rear line as seen when facing from
the front. Trenches to follow contour of ground: Rest of trenches to go behind
trench & be parallel left side line. As per approved plot plan of 4/13/81
Bottom of system no deeper than 6'.

PLANS APPROVED BY Frank Skinner

DATE 4/13/81

COVER NO WORK UNTIL INSPECTED AND APPROVED.

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

NOTE: IF TRENCH IS USED CALL FOR INSPECTION BEFORE PLACING GRAVEL IN TRENCH.

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER.

NOTE: ALL PIPE FROM HOUSE TO DISPOSAL AREA MUST BE CAST IRON.

PERMIT VOID AFTER THREE YEARS

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA
COTTA ACCEPTED.

BLDG. PERMIT SIGNED
AND RETURNED 4/30/81

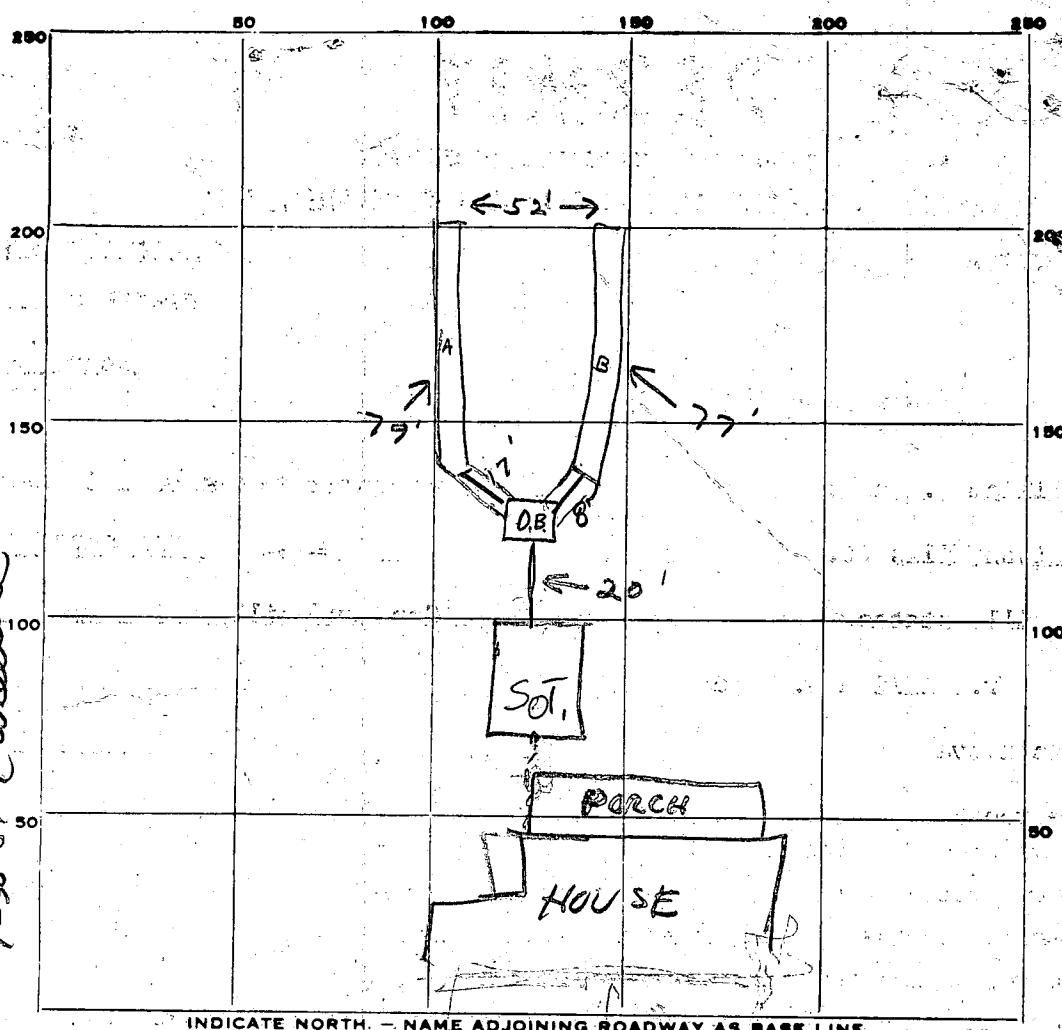
Serial # 69932

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.

BLDG. PERMIT SIGNED
AND RETURNED 4/30/81

Serial # 46303

IN SEPTEMBER 1983 I CONNECTED THE
SEPTIC TANK TO THE HOUSE USING CAST IRON PIPE.
Robert M. Williams
CONNECTION VERIFIED BY RUNNING WATER TEST.
1-30-84 CW



PERMIT CARD ☒

SEPTIC TANK, LEVEL ☒ CLEANOUTS ☒ ST

DISTRIBUTION BOX, LEVEL ☒

TILE FIELD, DEPTH 5' FT. TRENCH WIDTH (B) 3' FT.

GRAVEL DEPTH _____ IN. TOTAL LENGTH 156 FT.

NUMBER OF TRENCHES 2 TOTAL BOTTOM AREA _____

SEEPAGE PITS, INSIDE DIAMETER _____ FT. DEPTH BELOW INLET _____ FT.

ABSORBENT AREA _____ SQ. FT.

REMARKS 5/7/81 - Trenches must be 3 ft wide.
all other work OK. Call when trenches ready. JS
5/11/81 OK to add gravel in right trench. JS
5/18/81 Per phone conversation - OK to gravel second trench.
will call when both trenches ready. JS 5/20/81 Not ready F.S. & R.R.
5-26/81 - OK to work all work, need house connection for final
1-30-84 HOUSE CONNECTION OK CW
 DATE SYSTEM APPROVED 1-30-84 INSPECTOR CW

APPLICATION

1

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 28662

P

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICESP.O. BOX 476 ELLICOTT, MARYLAND 21043
TELEPHONE: 992-2330Septic Tank - 3 bedrooms - 1000 gal
H " - 1250 gal

DISTRICT 3rd

Bottom of pipe to depth
to 6'Tile Field - 125 sq ft bottom area per DATE 8/9/78
bedroom installed at a depth of 4 ft. below orig. grade with
one ft of gravel under pipeBegin
Place Tile field at point 105 ft from left line & 150 ft from
road line as been when facing from the front - Trenched
to follow contour of ground; Rest of trenches to go behind trench 1
& behind 2nd side line. As per approved plot plan of 4/13/81.TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Sandy Hill Properties

ADDRESS PHONE Mrs. Trager - 992-7100

PROPERTY LOCATION:

SUBDIVISION Sandy Hill Estates LOT NO. 5-NEW LOT 1

ROAD AND DESCRIPTION Sand Hill Road

SIZE OF LOT 3 acres TYPE BLDG. 3 or 4 bedrooms

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE.

I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER

ANY CIRCUMSTANCES.

SIGNATURE OF APPLICANT /s/ Rose Trager

APPROVED BY B. Keller FOR ANY DATE 270478

REJECTED BY FOR DATE

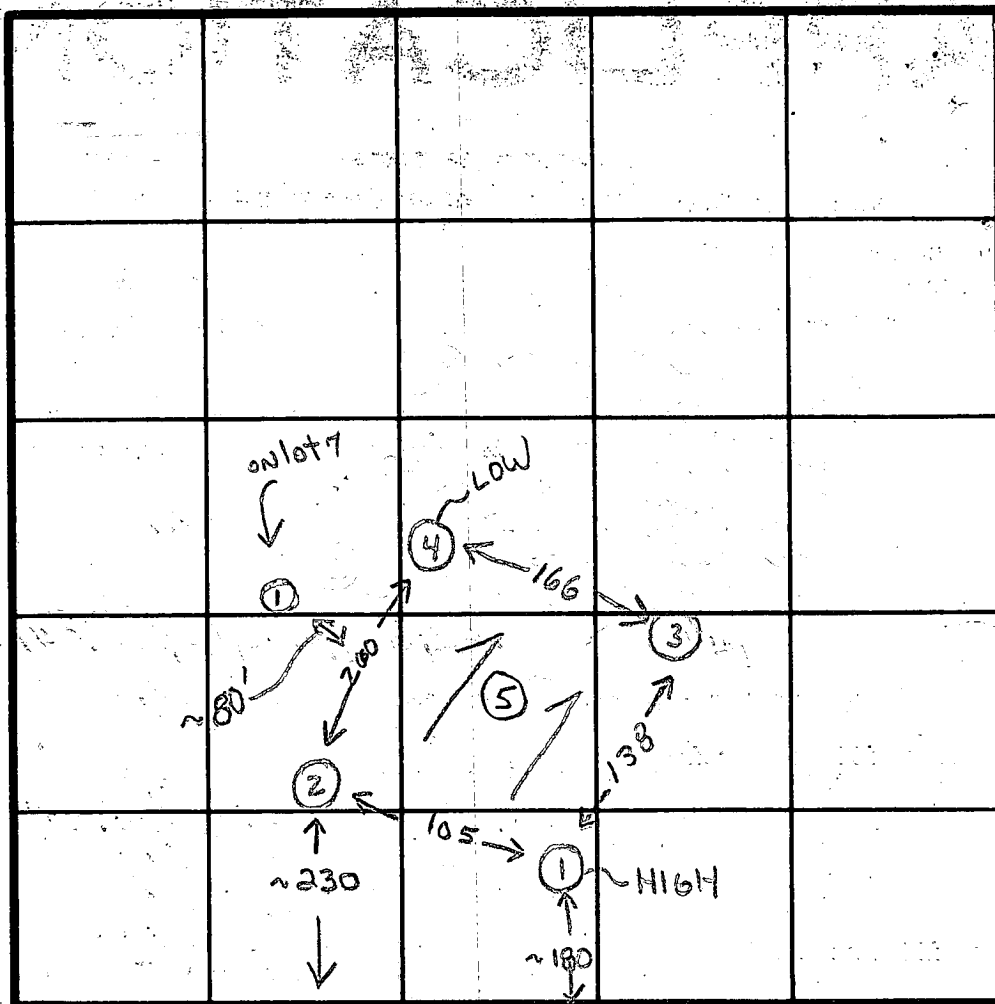
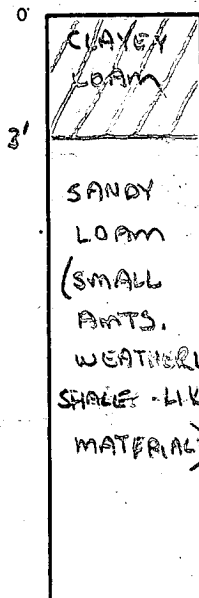
HOLD PENDING FURTHER TESTS DATE

REASONS FOR REJECTION OR HOLDING

THIS IS NOT A PERMIT

6/1

SOIL PROFILE



lot 6

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
SANDHILL ROAD E

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9/22/78	15	4'	1010	1011	1011	1012	1
	10 HIGH	12'	1009	1011	1011	1013	2
	25	4'	959	40 sec	1000	1001	1 min
	20	11 1/2'	957	1000	1000	1005	5
	25	Refill	1002	1004	1004	1007	3
	15	Refill	1012	1014	1014	1016	2
	35	4'	1021	1022	1022	1024	2
	30	12'	1020	1021	1021	1024	3
	45	4 1/2'	1030	1031	1031	1032	1
	40	12 1/2'	1028	1030	1030	1033	3
9/26/78	5 - Visual	12'	see profile				

avg = 2.4
inlet 4
max 10

REMARKS heavy woods - Tests as staked

TYPE OF SOIL SANDY LOAM BELOW CLAY - SMALL AMTS. WEATHERED SHALE-LIKE MAT.

TESTED BY GLK

ALSO PRESENT R. Trauer Sr.

LOT 2

LOT ONE
3.005 ACRES

TO ROUTE 1-70

SAND HILL ROAD
RESTRICTED VEHICULAR ACCESS

TO MD. ROUTE 144

OWNER:

WILLIAM M. HALES

11 MADISON MILLS COURT
CATONSVILLE, MD. 21228
744-6077

I HEREBY CERTIFY THAT ELEVATIONS AND DIMENSIONS SHOWN HEREON ARE CORRECT AND THEY WERE TAKEN FROM A RECORD PLAT AND TOPOGRAPHIC PLAT BY TYDINGS, SHIEM INC. AND FIELD VERIFIED BY ME ON APRIL 6, 1981. THIS PLAT MEETS THE REQUIREMENTS OF LOT SIZE AND SEWERAGE DISPOSAL AREA AS SET FORTH BY THE HOWARD COUNTY HEALTH DEPARTMENT APPLICATION NO 286662 DATED AUG 9, 1978. ELEVATIONS FIELD VERIFIED 4-7-81.

John B. Gary PLS 66 7/10/81

JOHN B. GARY
DEVELOPERS SURVEYING
917 E. JEFFREY STREET
BALTIMORE, MARYLAND 21225
355-0052

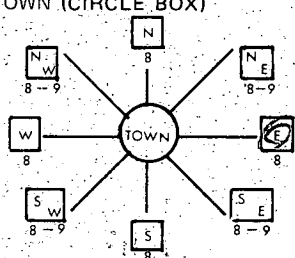
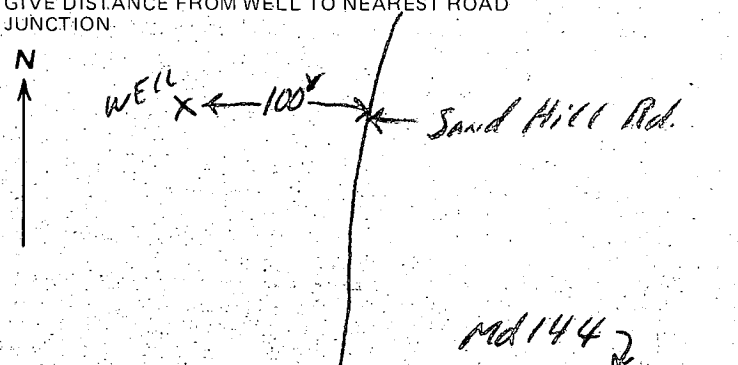
WOOD STREAM COURT
50' R/W

PLOT PLAN

WILLIAM M. HALES

LOT ONE - SAND HILL ESTATES

THIRD ELECTION DISTRICT HOWARD CO. MARYLAND
SCALE: 1"=30' APRIL 10, 1981

B 1 9189 SEQUENCE NO. WRA USE ONLY (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please print or type	WRA PERMIT NUMBER HO-73-3751 fill in this form completely
DATE RECEIVED <u>11-21-80</u> 8 (WRA USE ONLY) 13 OWNER INFORMATION LAST NAME <u>Hales</u> OWNER FIRST NAME <u>William</u> 15 34 <u>11 Madison Mill Court</u> 36 STREET OR RFD 55 <u>Baltimore MD 21228</u> TOWN 57 STATE 76 ZIP		
B 1 CONTINUED DRILLER INFORMATION DRILLER'S NAME <u>Stanley W. Bollinger Jr</u> 308 77 LICENSE NO. 80 <u>Stanley W. Bollinger Jr</u> 11-19-80 SIGNATURE DATE		
B 2 WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN) <u>6</u> AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) <u>750</u> USE FOR WATER (CIRCLE APPROPRIATE BOX) ☒ HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) ☐ FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) ☐ INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) ☐ PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) ☐ TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT) APPROXIMATE DEPTH OF WELL <u>200</u> FEET APPROXIMATE DIAMETER OF WELL <u>10</u> INCH Method of Drilling (circle one) BORED (OR AUGERED) <u>JETTED</u> JETTED & DRIVEN 30- AIR ROTARY <u>AIR PERCUSSION</u> ROTARY (HYDRAULIC) 37 CABLE REVERSE ROTARY DRIVE POINT ROTARY other		
REPLACEMENT OR DEEPEENED 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 ☐ THIS WELL WILL DEEPEEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEENED (IF AVAILABLE) 41 52		
Not to be filled in by driller (WRA USE ONLY) APPROP. PERMIT NUMBER <u>GAP</u> FORCE <u>1</u> WRITE INITIALS <u>AE</u> CONDITIONS <u>100</u> 67 68 IN BOX 70 71 72 73 74 75 76 77 78 79		
B 3 LOCATION OF WELL COUNTY <u>Howard</u> SUBDIVISION <u>Sandy Hill Estates</u> SECTION <u>1</u> LOT <u>1</u> NEAREST TOWN <u>WEST Friendship</u> MILES FROM TOWN (enter 0 if in town) <u>1</u> M I B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH ☐ WEST ☒ EAST ☐ SOUTH ☐ 34 DISTANCE FROM ROAD (CIRCLE APPROPRIATE BOX) <u>100</u> FT SHOW LOCATION OF WELL WITH AN "X" IN THIS BOX WRITE THE BOX NUMBER FROM THE MAP HERE E <u>810</u> N <u>530</u> DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION  Md 144		
B 4 NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL COUNTY NAME <u>Howard</u> COUNTY NO. <u>A29662</u> EHA SIGNATURE <u>Fred Frommelt</u> STATE HEALTH CIRCLE BOX <u>5</u> MO DAY YR <u>11/25/80</u> CO SIGNATURE <u>Fred Frommelt</u> DATE NORTH <u>535</u> EAST <u>0819</u> ELEV. (FT.) <u>000</u> GRID 50 55 GRID 57 63 65 68		
B 5 SPECIAL CONDITIONS 8-63 (WRA USE ONLY)		

CL 4818	SEQUENCE NO. (WRA USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE	THIS REPORT MUST BE SUBMITTED WITHIN 30 DAYS AFTER WELL IS COMPLETED
DATE RECEIVED (WRA use only)		DATE WELL COMPLETED 1/16/81	COUNTY NUMBER A28662

OWNER last name Hales	first name William	Depth of Well 400	PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-73-3751
STREET OR RFD 11 Madison Mill Court		TOWN Baltimore Md. 21228	
SUBDIVISION Sandy Hill Est.		SECTION	LOT 1

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
Top Soil	0 2	
Brown Mica	2 60	
Brown Mica	60 64	J2
Blue Mica	64 364	
Blue Mica	364 370	J4
Blue Mica	370 400	

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box)		
TYPE OF GROUTING MATERIAL CEMENT ☒ BENTONITE CLAY ☒		
NO. OF BAGS 10 NO. OF POUNDS 740		
GALLONS OF WATER 60		
DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 28 ft.		
Casing types insert appropriate code below		
STEEL ☒ CONCRETE ☒ PLASTIC ☐ OTHER ☐		
MAIN CASING TYPE S T 6 32		

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

SCREEN RECORD screen type or openhole		
STEEL ☒ BRASS ☐ OPEN HOLE ☐ PLASTIC ☐ OTHER ☐		

C 2		
Seq. no. 1		
DEPTH (nearest ft.) 40 0 400		
EACH SCREEN		
SLOT SIZE 1 2 3		
DIAMETER OF SCREEN (NEAREST INCH) from to		

GRAVEL PACK		
IF WELL DRILLED WAS FLOWING WELL CIRCLE BOX ☒		
WRA USE ONLY (NOT TO BE FILLED IN BY DRILLER)		
T (E.R.O.S.)		
W Q		
TELESCOPE CASING LOG INDICATOR OTHER DATA		

C 3		
(seq no) 1		
PUMPING TEST HOURS PUMPED (nearest hour) 10		
PUMPING RATE (gal. per min. to nearest gal.) 6		
METHOD USED TO MEASURE PUMPING RATE Bucket		
WATER LEVEL (distance from land surface)		
BEFORE PUMPING 31		
WHEN PUMPING 400		
TYPE OF PUMP USED (for test)		
air ☒ piston ☐ turbine ☐ centrifugal ☐ rotary ☐ other (describe below) ☐ jet ☐ submersible ☐		

PUMP INSTALLED YES NO		
DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) ☒ ☐		
IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE		
TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: (A, C, J, P, R, S, T, O))		
CAPACITY: GALLONS PER MINUTE (to nearest gallon)		
PUMP HORSE POWER		
PUMP COLUMN LENGTH (nearest ft.)		
CASING HEIGHT (circle appropriate box and enter casing height)		
above ☒ below ☐		
LAND SURFACE 2 (nearest foot)		

LOCATION OF WELL ON LOT		
SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)		
House		

CIRCLE APPROPRIATE BOX		
☒ 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 I HAVE COMPLIED WITH ALL CONDITIONS STATED ON THE ABOVE-CAPTIONED "PERMIT TO DRILL WELL", AND THAT INFORMATION CONTAINED IN THIS REPORT IS TRUE, ACCURATE, AND COMPLETE TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.		
DRILLERS IDENT. NO. 308		
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)		
SITE SUPERVISOR (sign of driller or journeyman responsible for sitework if different from permittee)		

B 7 7210 SEQUENCE NO.
(OEP USE ONLY)STATE OF MARYLAND
PERMIT TO DRILL WELL

OEP PERMIT NUMBER

HO-81-1971

THIS NUMBER IS TO BE PUNCHED
IN COLS. 3-6 ON ALL CARDS

please print or type

fill in this form completely

Date Received

8 13

OWNER INFORMATION

H A L E S B I L L

15 Last Name 34 First Name

2402 WOODSTREAM CT

36 Street or RFD 55

ELLICOTT CITY MD 21043

57 Town 70 State 72 Zip 76

DRILLER INFORMATION

Joseph L. Wayne 238

Driller's Name 77 License No. 80

Joseph L. Wayne WELL DRILLING

5512 Ridge Rd. Mt. Airy, Md. 21171

Address

Joseph L. Wayne 3/11/87

Signature Date

WELL INFORMATION

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

8 12

AVERAGE DAILY QUANTITY NEEDED 500

(GAL. PER DAY) 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- ☒ HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
- ☐ F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
- ☐ I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
- ☐ P PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
- ☐ T TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

APPROXIMATE DEPTH OF WELL 400 FEET

24 28

APPROXIMATE DIAMETER OF WELL 6 INCH

NEAREST

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 DEEPEINED 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
- ☐ D THIS WELL WILL DEEPEIN AN EXISTING WELL
- PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) 41 52

Not to be filled in by driller (OEP USE ONLY)

APPROP. PERMIT NUMBER 54 GAP 63

FORCE 12 WRITE INITIALS IN BOX PERMIT NO. HO-81-1971

67-68 IN BOX 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

LOCATION OF WELL

B 3

HOWARD

8 COUNTY 21

SAND HILL ESTATES

23 SUBDIVISION 42

SECTION 44 46 LOT 1 48 50

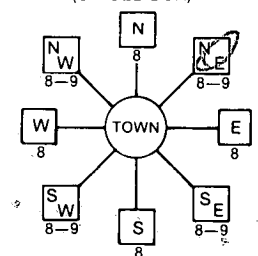
WESTFRIENDSHIP

52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 1 1/2 MI 73 76 77 78

B 4

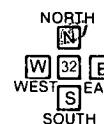
DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Wood Stream Ct.

11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



34 126 37 DISTANCE FROM ROAD

ENTER FT or MI AT 38 39

NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL

HOWARD

COUNTY NAME

A 28662

COUNTY NO.

OEP SIGNATURE DATE ISSUED

03/11/87 B. Nihon 09/11/87

43 46 CO SIGNATURE EXP. DATE

NORTH GRID 535000 EAST GRID 0819000

50 55 57 63

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

1. WELL

2.

3.

WRITE THE BOX NUMBER FROM THE MAP HERE

31987

28' PIPE

25' OPEN

6' BASS

S&B

Dry Hole - 200'

3BASS

S&B

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION

