

11/4/92 ASAP

04-346475

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 48591

A 38352

DISTRICT _____

DATE 10/13/92

DATE SYSTEM APPROVED 11/4/92

INSPECTOR RH

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
~~461-9933~~ 313-2640

INDEXED

Paul Schissler/South Carroll Backhoe _____ IS PERMITTED TO INSTALL X ALTER _____

ADDRESS 4410 Salem Bottom Road, Westminster, Maryland 21157 PHONE 875-4197

SUBDIVISION Glenwood Springs LOT 5 ROAD 2825 Glenwood Springs Drive

PROPERTY OWNER Herbert E. Leat, Jr & Sheila D. Loveless

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

240 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 320

TRENCHES - Trench to be 3 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 3.5 feet below original grade. 1.5 feet of stone below distribution pipe.

LOCATION - Starting from left front lot corner, start first trench 90 feet down front lot line and 40 feet off this same lot line. Run trenches toward left side of lot along contour.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 4/22/92 RH

OK TO MAKE TRENCH FARTHER EST FROM HOUSE 7 FT DEEP

PLANS APPROVED BY Mark Rifkin DATE 1/23/89

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: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° ELBOWS NOT ACCEPTABLE.

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

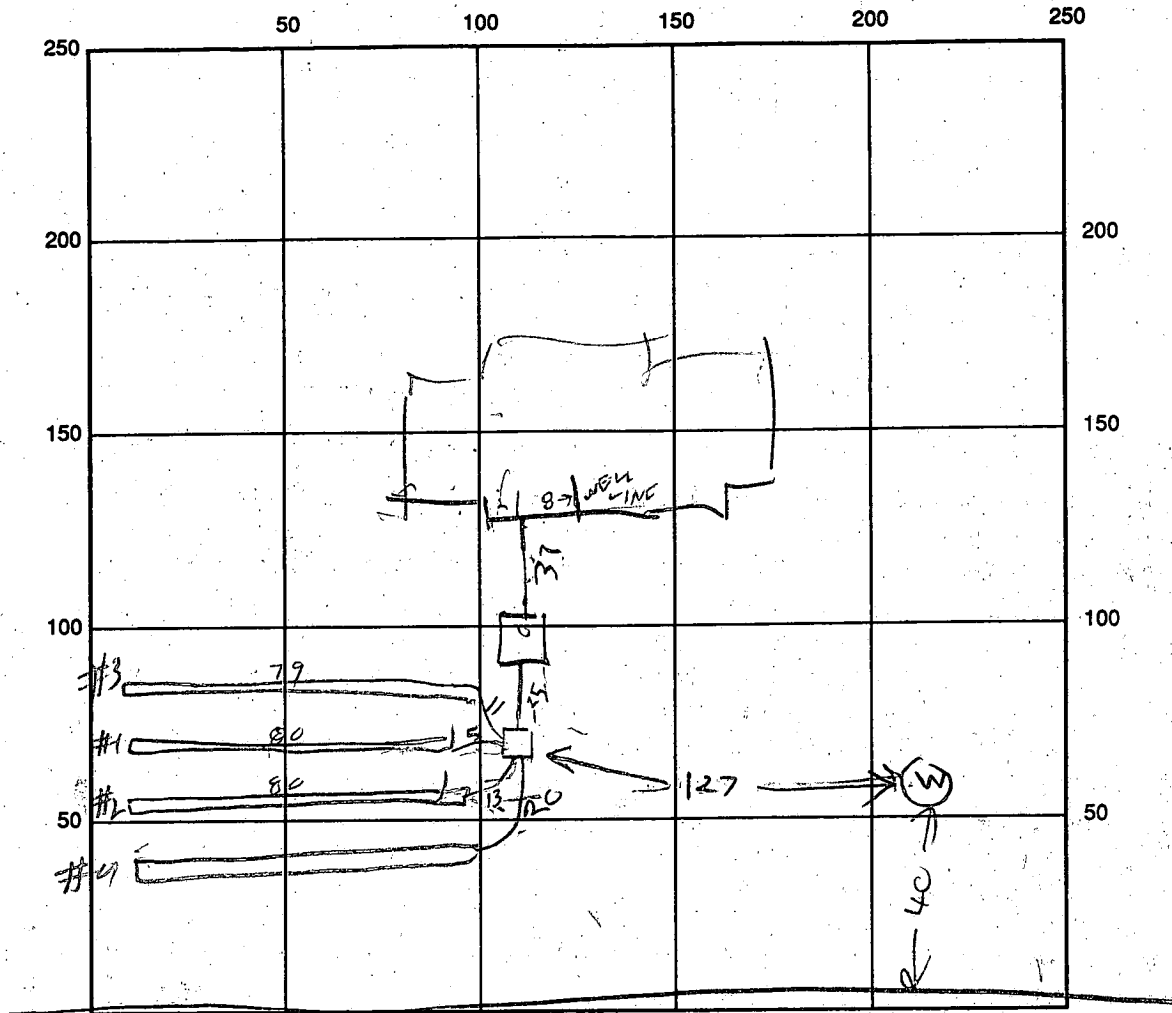
PERMIT VOID AFTER TWO YEARS

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

A
38352



76'
57'

SEPTIC TANK LEVEL 1500

CLEANOUTS ST
OK

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TITLE DEPTH 5-7 FT.

TRENCH WIDTH 3 FT.

INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH _____ FT.

TOTAL LENGTH 80 | 80 | 80 | 80 FT 320

NUMBER OF TRENCHES 4

ONE SIDEWALL/BOTTOM AREA 960 SQ. FT.

DRYWALL INSIDE DIAMETER _____ FT.

EFFECTIVE DEPTH BELOW INLET _____ FT.

ABSORBENT AREA _____ SQ. FT.

REMARKS: 11/4/92 - TRENCH #1 & #2 OK DIG TRENCH #3 & #4
FILL DIRT 1'-3FT DEEP FROM SEDIMENT POND OVER PART OF TRENCHES
11/4/92 FINISH ADDING STONE TO TRENCH #4 & COVER R/A

DATE SYSTEM APPROVED 11/4/92

INSPECTOR Raymond Nodger

APPLICATION

PERCOLATION TESTING

A 38352

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

*1/27/87
perc OK'd
plat pending approval*

DISTRICT _____

DATE _____

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 Herbert E. Leat, Jr. & Sheila D. Lovelass

ADDRESS _____ PHONE _____

PROSPECTIVE BUYER Ronald Carter

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Hakes Prop LOT NO. Lot 5

ROAD AND DESCRIPTION Hobbs Road 2825 Glenwood Springs Drive Prelim'd 4/29/87

TAX MAP _____ PARCEL # 83,87,202

**BLDG. PERMIT SIGNED
AND RETURNED 4/6/82
Serial # 41595 - SFD**

SIZE OF LOT _____ TYPE BLDG. _____
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____


REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING far field located certified holes
shallow system only

THIS IS NOT A PERMIT

SOIL PROFILE

0' 

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	

REMARKS _____

TYPE OF SOIL _____

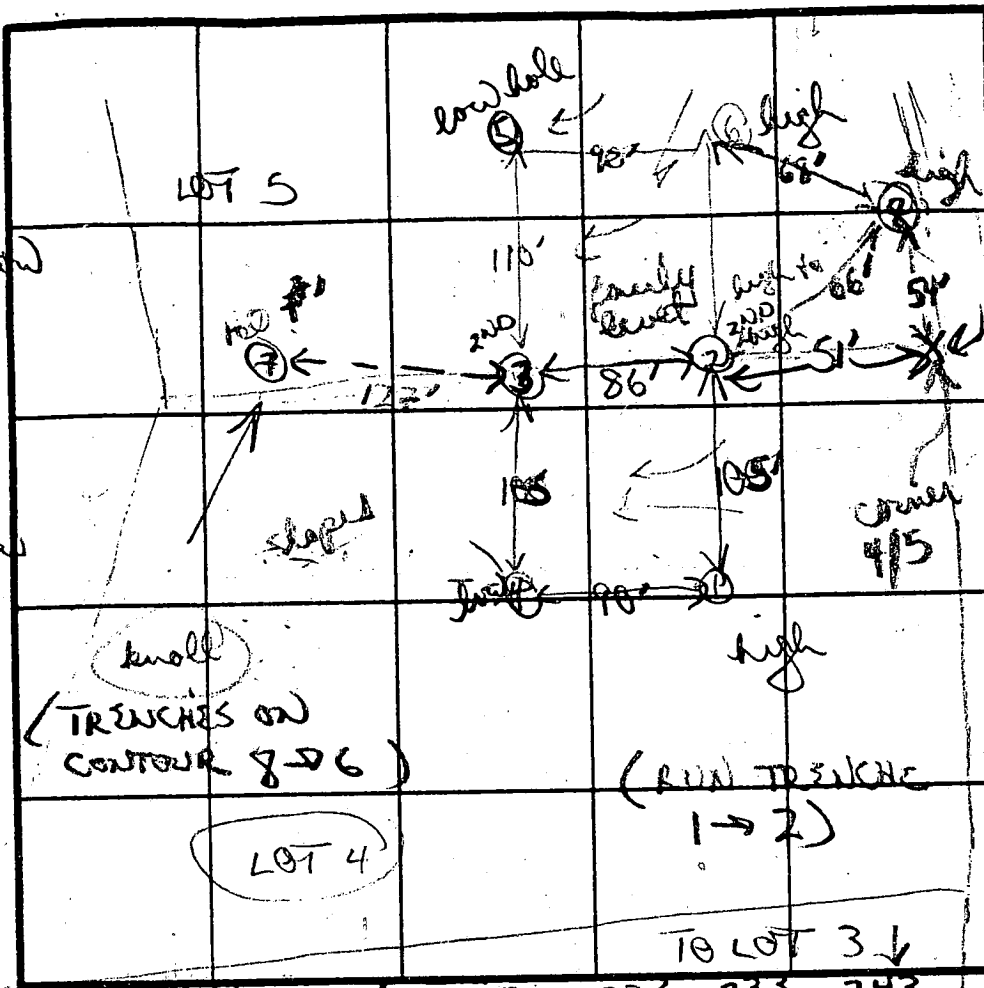
TESTED BY _____ ALSO PRESENT _____

EH-12-1079

SHALLOW ONLY FOR BOTH

SOIL PROFILE

orange/yellow clay/clay loam
 4' gradually to gritty silty yellow orange loam
 11 1/2' D



orange/brown clay/clay loam (gritty chunky) 4 1/2'
 layers of mm 4 1/2'
 grey to brown silty loam
 10% mm rock w/ silty loam 8 1/2'
 12' D

orange/brown clay 3'
 to purple gritty silty loam

heavy red chunky clay 2 1/2' D
 to purple/red silty loam
 uniform
 11' D

orange/red clay loam mix 3 1/2'
 to purple chunky/silty loam
 11 1/2' D

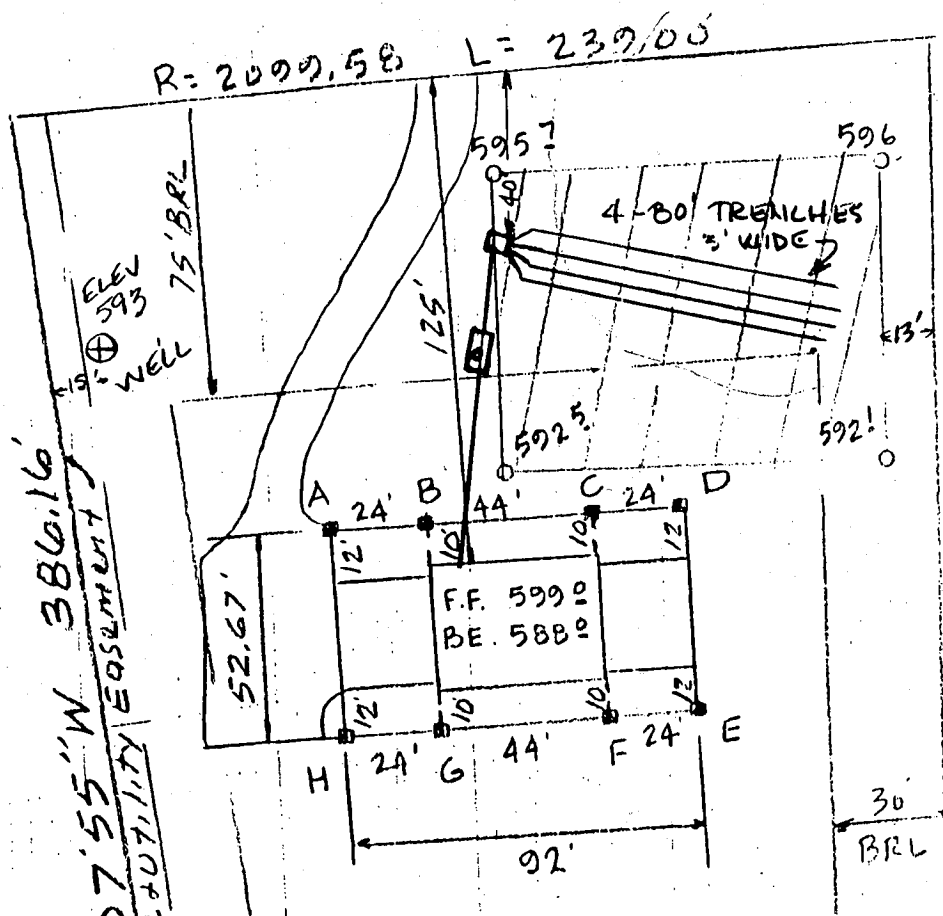
INDICATE NORTH NAME ADJOINING ROAD OR BASE LINE

DATE	TEST NO.	DEPTH	PRE-WET		TEST DROP		TIME	
			START	STOP	START	STOP		
11/20/87	①	4' S	150	154	154	159	5 MIN	
		7 1/2'	150	153	153	157	4 MIN	
		11' D	bottom (see profile)					
	②	4' S	153	158	158	210	2 MIN	
		7 1/2' m	153	154	154	155	1 MIN	
		11 1/2' D	bottom (see profile)					
	③	4' S	215	226	226	240	14 MIN	
		8' m	215	215	218	225	7 MIN	
		12' D	bottom (see profile)					
	④	3 1/2' S	205	210	210	215	5 MIN	
		11 1/2' D	bottom (see profile)					
	⑤	4-4 1/2' S	218	228	228	239	11 MIN	
		11 1/2' D (11' H2O)						

REMARKS: 11 1/2' D (11' H2O)
 TYPE OF SOIL: VISUAL ONLY
 TESTED BY: E. W. W. (see profile)
 ALSO PRESENT: heavy clay, silty clay, 200 P/L, 10 MIN

11' H2O
 11 1/2' D
 purple clay silty loam
 to purple powdery silty loam
 11' D
 SAME AS LOT 4
 10 MIN

GLENWOOD (50' R/W) SPRINGS DRIVE



BASEMENT ELEV.	588.0
FIRST FLOOR ELEV.	599.0
INVERT OUT OF HOUSE	592.7
INVERT INTO SEPTIC TANK	591.7
INVERT OUT OF SEPTIC TANK	591.4
INVERT INTO DIST. BOX	591.0
INVERT INTO TRENCHES	590.5
EXIST. GRADE AT SEPTIC TANK	593.5
EXIST. GRADE AT DIST. BOX	594.0
EXIST. GRADE AT TRENCHES	594.0
ELEV. OF WELL	593.0

N-19°07'55"W 386.16'
Drainage Utility Easement

Existing Ground Elev. at House:
A=592.2 B=592.2 C=591.8 D=591.8

LOT 5
3.002 AC.

Glenwood Springs
Section One Area One
Platbook 7680
Tax Map 14

N-12°36'35"W 225.84'

S-12°36'35"E 650.00'

House + Septic
Stakeout

1" = 50'

FB-135 Pg. 76
J-02020

4/6/92
REVISED PLANS OK
BP 41595
RH

I CERTIFY THAT THESE
MEASUREMENTS ARE CORRECT

HERBERT LEAT
7153 TALISMAN LN
COLUMBIA
290 9477

S-61°11'30"W
26.02'

S-88°46'50"W
173.04'

B 1 1325 SEQUENCE NO. (DP USE ONLY)
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND PERMIT TO DRILL WELL

please print or type

STATE PERMIT NUMBER

40-08-0123
fill in this form completely

Date Received (APA)

081188

OWNER INFORMATION

THORNTON SANDERS
Last Name Owner First Name

16500 WILKINSON
Street or RFD

ELK LANE WILKINSON
Town State Zip

DRILLER INFORMATION

Joseph L. Mayne
Driller's Name License No. 888

Joseph L. Mayne Well Drilling
Firm Name

5512 Ridge Rd. Mt. Airy 31771
Address

Joseph L. Mayne 8/5/88
Signature Date

WELL INFORMATION

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

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- D 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 200 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

- BORED (or Augered) JETTED Jetted & DRIVEN
AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary)
CABLE REVERSE-ROTary DRIVE-POINT
other

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
D THIS WELL WILL DEEPEM AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

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

APPROP. PERMIT NUMBER GAP

FORCE INITIALS PERMIT NO. 40-08-0123

SPECIAL CONDITIONS

LOCATION OF WELL

HOWARD COUNTY

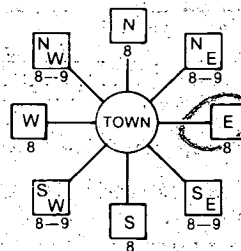
CLEWOOD SPRINGS SUBDIVISION

SECTION LOT 5

CLEWOOD NEAREST TOWN

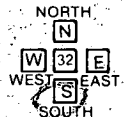
MILES FROM TOWN (enter 0 if in town) 5 MI

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Clewood Springs Dr. NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



DISTANCE FROM ROAD 20 ENTER FT or MI FT

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD COUNTY NAME A-38352 COUNTY NO.

STATE SIGNATURE DATE ISSUED

081588 Charles Benjamin W. Hester 2/15/89 CO SIGNATURE EXP. DATE

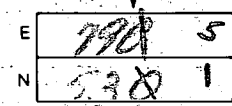
NORTH GRID 531000 EAST GRID 0795000

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

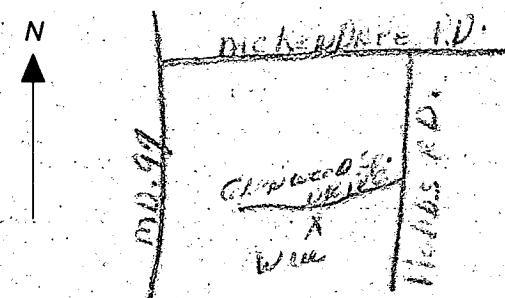
- 1. WELL
2.
3.

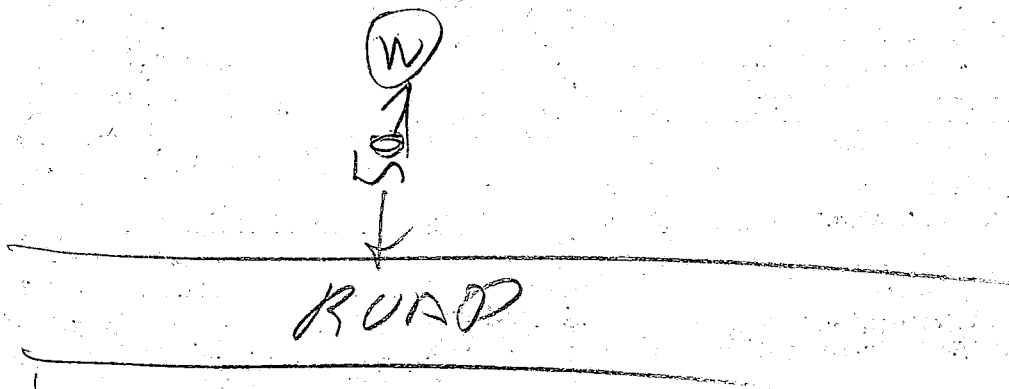
WRITE THE BOX NUMBER FROM THE MAP HERE



8/26/88 WELL OK SEE OTHER SIDE RA

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





- ① 31 ft open Hole measured with a string & weight
- ② 63 F7 casing
- ③ Location OK
- ④ 11 BAGS

2/26/88
B. Hodges

C1 0635 SEQUENCE NO. (DENV. USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

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

COUNTY NUMBER A-38352

DATE RECEIVED: 082688 DATE WELL COMPLETED: 082688

DEPTH OF WELL: 365 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL": 40-88-C123

OWNER: THE BALLT SANDRA last name first name STREET OR RFD: GLENWOOD SPRINGS DR. TOWN: RANWOOD SUBDIVISION: Glenwood Springs SECTION: LOT: 5

WELL LOG table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Includes handwritten entries: SAND, CONCRETE, 0 57, 57 365.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL: CEMENT (CM), BENTONITE CLAY (BC), NO. OF BAGS: 11, NO. OF POUNDS: 1034, GALLONS OF WATER: 66, DEPTH OF GROUT SEAL: from 0 to 31 ft.

CASING RECORD: casing types insert appropriate code below (ST, CO, PL, OT), MAIN CASING TYPE: ST, Nominal diameter: 6, Total depth of main casing: 133.

OTHER CASING (if used) table with columns: diameter inch, depth (feet) from, to.

SCREEN RECORD: screen type or open hole insert appropriate code below (ST, BR, HO, PL, OT).

DEPTH (nearest ft.) table with columns: 1-21, 23-36, 38-51. Includes SLOT SIZE and DIAMETER OF SCREEN.

A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED. ELECTRIC LOG OBTAINED. TEST WELL CONVERTED TO PRODUCTION WELL.

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 10.17.13 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT...

DRILLERS IDENT. NO.: 238 DRILLERS SIGNATURE: [Signature]

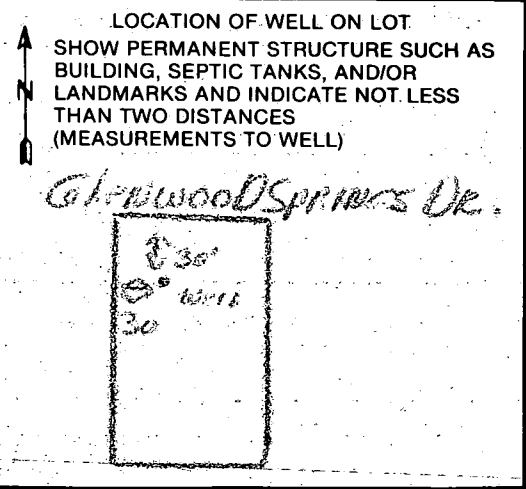
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

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

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) WQ 74 75 76 TELESCOPE LOG OTHER DATA CASING INDICATOR

PUMPING TEST: HOURS PUMPED: 4, PUMPING RATE: 4, METHOD USED TO MEASURE PUMPING RATE: bucket, WATER LEVEL: BEFORE PUMPING 4, WHEN PUMPING 179, TYPE OF PUMP USED: submersible (S).

PUMP INSTALLED: DRILLER WILL INSTALL PUMP (YES/NO), TYPE OF PUMP INSTALLED: centrifugal (C), CAPACITY: GALLONS PER MINUTE, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT: above/below, LAND SURFACE: 2 (nearest foot).



COUNTY

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 88-0123
 Location of property (road) GLENWOOD SPRING DR.
 Subdivision GLENWOOD SPRINGS Lot 5 Block - Plat - Sec. -
 Well Driller JOSEPH L. MAYNE Owner THIBAUT, SANDRA

Depth of well 365'
 Distance of measuring point (M.P.) above ground 2'
 Static water level (S.W.L.) below M.P. 4'

I. High rate pumping -- reservoir drawdown

Time pump started 7:30 Pumping rate 15 gpm
 Total time 30min to reach pumping water level 179 ft. below M.P.

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

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE, time to fill 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
7:45	109	4 sec.		15
8:00	179	16		3 3/4
8:15	179	16		3 3/4
8:30	179	16		3 3/4
8:45	179	16		3 3/4
9:00	179	16		3 3/4
9:15	176	16		3 3/4
9:30	178	16		3 3/4
9:45	171	15		4
10:00	171	15		4
10:15	171	15		4
10:30	171	15		4
10:45	171	15		4
11:00	171	15		4
11:15	171	15		4
11:30	171	15		4
11:45				
12:00				
15				
30				
45				
1:00				
15				
30				
HD-224 45				
2:00				

11/4/92 LHM

HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Ellicott City, MD 21043
461-9933

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation
Replacement

Receipt # -0-
Date 10/5/92

Name of Installer Robert Hofstetter

Telephone 531-3311

License Number 4450

Certified Well Pump Installer Well Driller Registered Plumber

Name of Property Owner Herbert Leaf

Telephone 290-9479

Subdivision GLENWOOD SPRINGS Lot # 5

Well Tag # 40-88-0123

Site Address 2825 GLENWOOD SPRINGS DR

- Pump**
- Type
 - Deep well jet
 - Shallow well jet
 - Submersible
 - Make Goulds
 - Model # _____
 - Capacity 10 GPM
 - Pump exceeds well capacity Yes No
 - If Yes, is low pressure cutoff switch installed? Yes No
 - What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors Cable guards Other

- Motor**
- Horsepower _____
 - RPM _____
 - Voltage _____
 - 110
 - 220

- Pitless Adapter**
- Make _____
 - Model # _____
 - Depth _____

- Tank**
- Capacity 100
 - Pressure relief valve? YES

- Piping**
- Type PLASTIC
 - Size 1"
 - NSF and/or BOCA Code approved
 - Depth of supply line 42'

- Well data**
- Depth 265 ft.
 - Yield 4 GPM
 - Static water level 4 ft.
 - Will water supply be disinfected by installer? YES

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

Signature of Applicant: Robert Hofstetter

Date: 10-5-92

11/4/92 FIX CAP RH COVER
LINE CALLED MR HOFSTLER

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.

HOWELL FIX CAP & CALL RH
HD-215