

# APPLICATION

PERCOLATION TESTING

A 38392

P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE 1/07/87

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 Camen Associates

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION Glenwood Springs LOT NO. existing log cabin lot

ROAD AND DESCRIPTION \_\_\_\_\_

TAX MAP \_\_\_\_\_ PARCEL # \_\_\_\_\_

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 \_\_\_\_\_

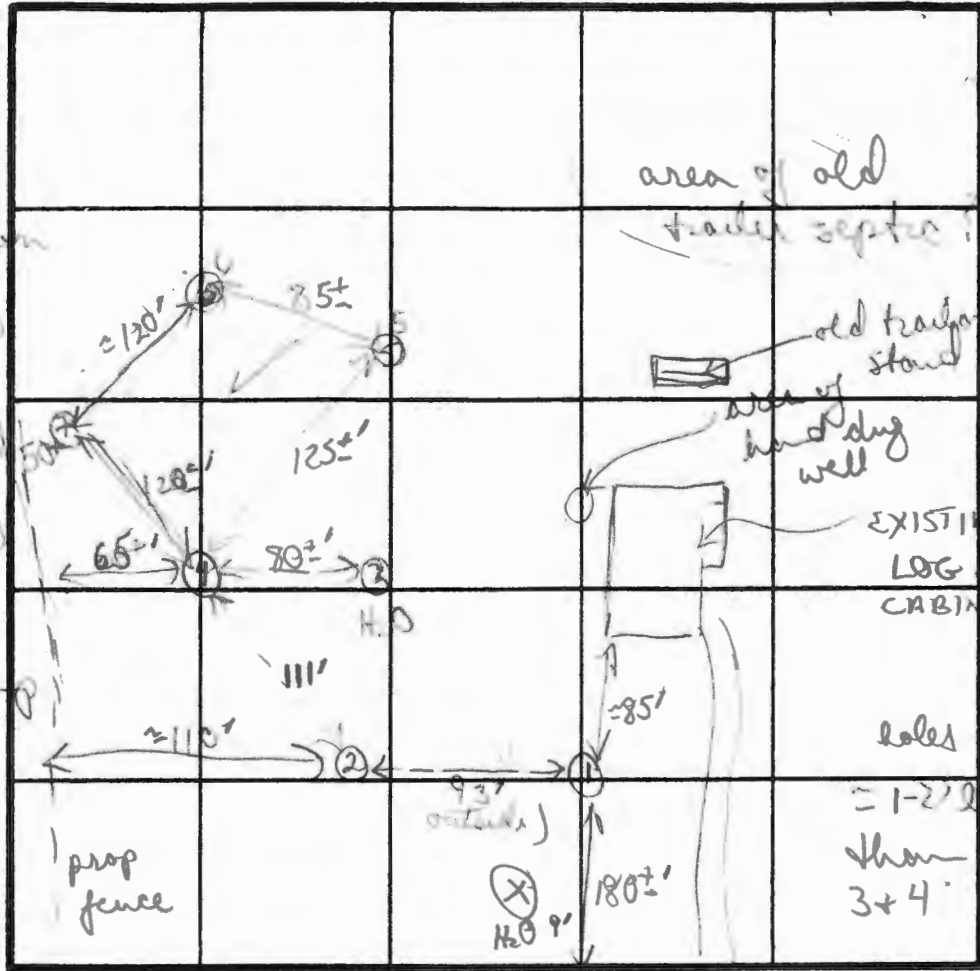
HD-216

# THIS IS NOT A PERMIT

① + ②

SOIL PROFILE

orange/brown clay/clay loam 4'  
 gray/orange silty/clay  
 getting ds at 9'  
 H<sub>2</sub>O at 10'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

RTZ 97

④

yellow brown silty clay loam 3'  
 to a yellow orange & purple powdery silty loam  
 damp 9 1/2 wet 10 1/2

12' D

⑤

orange clay to orange yellow clay loam 3 1/2'  
 to yellow tan silty loam

| DATE    | TEST NO.           | DEPTH                            | PRE-WET                             |      | TEST - 1' DROP |      | TIME   |  |
|---------|--------------------|----------------------------------|-------------------------------------|------|----------------|------|--------|--|
|         |                    |                                  | START                               | STOP | START          | STOP |        |  |
| 5/19/87 | ①                  | 4' S                             | 924                                 | 940  | 940            | 100% | 28 MIN |  |
|         |                    | 7' M                             | 923                                 | 937  | 937            | 100% | 29 MIN |  |
|         |                    | 11' D                            | bottom (H <sub>2</sub> O at 10')    |      |                |      |        |  |
|         | ← ②                | 4 1/2 S                          | 931                                 | 935  | 935            | 940  | 5 MIN  |  |
|         | hole #1            | 8' M                             | 929                                 | 938  | 938            | 954  | 16 MIN |  |
|         | ③                  | soils similar to 1+2             |                                     |      |                |      |        |  |
|         |                    | H <sub>2</sub> O at 11 (damp 9') |                                     |      |                |      |        |  |
|         | good soils at 3' ④ | 4'                               | 952                                 | 954  | 954            | 957  | 3 MIN  |  |
|         |                    | 7'                               | 944                                 | 948  | 948            | 952  | 4 MIN  |  |
|         |                    | 10'                              | bottom (H <sub>2</sub> O at 10 1/2) |      |                |      |        |  |

perc not judged due to H<sub>2</sub>O in 3 lower holes

REMARKS

TYPE OF SOIL

TESTED BY

orange/yellow clays up to 4', mostly silty loams

B Nryson

ALSO PRESENT

Phil C. Cussel

# APPLICATION

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A \_\_\_\_\_

P \_\_\_\_\_

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

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

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PROPERTY OWNER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION \_\_\_\_\_ LOT NO \_\_\_\_\_

ROAD AND DESCRIPTION \_\_\_\_\_

TAX MAP \_\_\_\_\_ PARCEL # \_\_\_\_\_

SIZE OF LOT \_\_\_\_\_ TYPE BLDG \_\_\_\_\_  
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(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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\_\_\_\_\_

\_\_\_\_\_

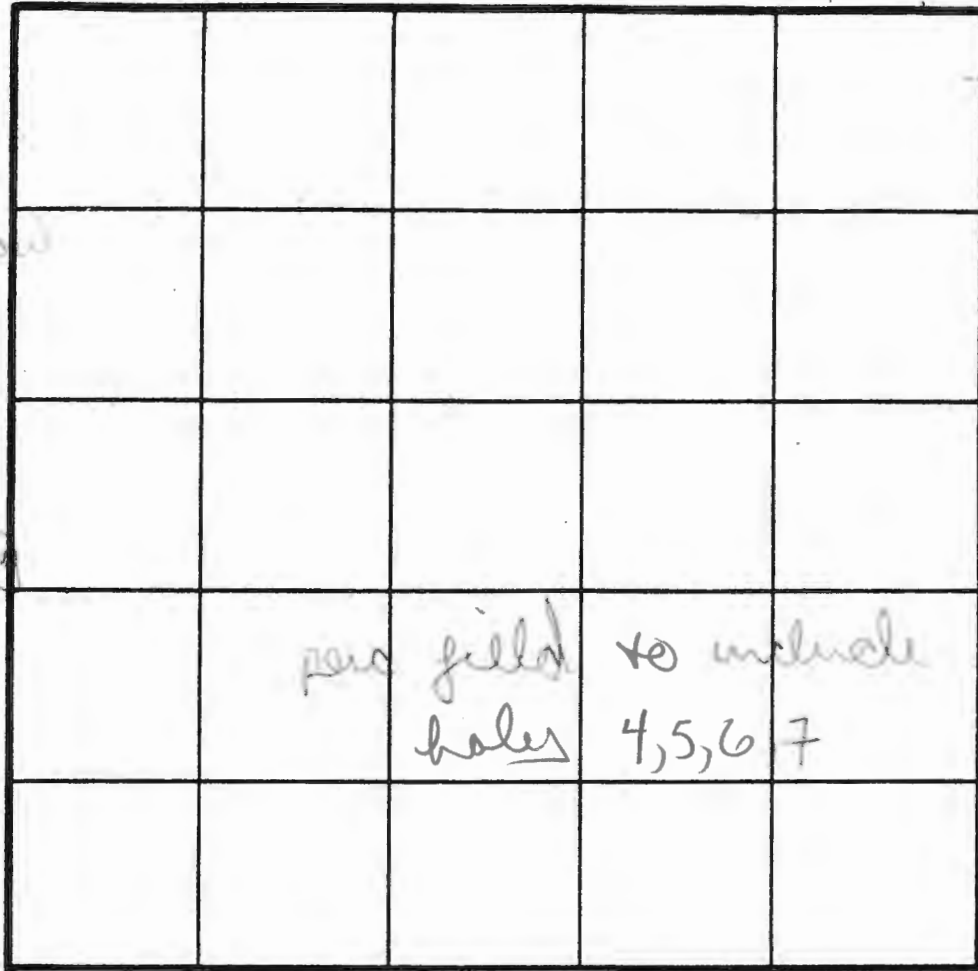
\_\_\_\_\_

# THIS IS NOT A PERMIT

⑦

SOIL PROFILE

0  
orange/yellow  
clay to  
clay silt  
about 4'  
to mostly  
brown  
orange silt  
brown  
↓  
11'D



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

6  
Similar to  
hole #7  
except  
12'D

| DATE    | TEST NO. | DEPTH    | PRE-WET              |      | TEST - 1" DROP |      | TIME  |  |
|---------|----------|----------|----------------------|------|----------------|------|-------|--|
|         |          |          | START                | STOP | START          | STOP |       |  |
| 5/11/87 | ⑤        | 4 1/2'   | 1016                 | 1019 | 1019           | 1023 | 4min  |  |
|         |          | 8'M      | 1016                 | 1024 | 1024           | 1034 | 10min |  |
|         |          | 12 1/2'D | bottom (see profile) |      |                |      |       |  |
|         | ⑦        | 4+5      | 1023                 | 1027 | 1027           | 1035 | 8min  |  |
|         |          | 11'D     | bottom (see profile) |      |                |      |       |  |
|         | ⑥        | 4+5      | 1034                 | 1037 | 1037           | 1042 | 5min  |  |
|         |          | 12'D     | bottom (see profile) |      |                |      |       |  |
|         |          |          |                      |      |                |      |       |  |
|         |          |          |                      |      |                |      |       |  |
|         |          |          |                      |      |                |      |       |  |

$\bar{X} = 6 \text{ min}$   
INLET 3 1/2'  
MAX D 5 1/2'  
180 x BDRM

SHARLO SYSTEM ONLY

REMARKS \_\_\_\_\_

TYPE OF SOIL \_\_\_\_\_

TESTED BY \_\_\_\_\_ ALSO PRESENT \_\_\_\_\_

# HOWARD COUNTY HEALTH DEPARTMENT

JOYCE M. BOYD, M.D., M.P.H.  
COUNTY HEALTH OFFICER



Bureau of Environmental Health  
3525 Ellicott Mills Drive  
Ellicott City, Maryland 21043

Director - 461-9956  
Water & Sewerage, Permits - 461-9933  
Community Environmental Health - 461-9944  
Technical Services - 461-9955

May 22, 1987

Mr. Ronald Carter  
8388 Court Avenue  
Ellicott City, Maryland 21043

RE: Percolation Testing  
Glenwood Springs  
(Existing lot w/log  
cabin) Glenwood, MD.

Dear Mr. Carter:

Percolation testing conducted May 19, 1987 on the above referenced property indicated satisfactory soil conditions.

Approval is contingent upon submission by a registered engineer of a plat showing certified test hole locations and a suitable house and well site.

This should be submitted within sixty (60) days to allow field verification if necessary.

If you have any questions regarding this matter, please feel free to contact me at the above address or by calling 461-9933.

Very truly yours,

A handwritten signature in cursive script that reads "Craig Williams".

Craig Williams, Director  
Water and Sewerage Program

CW:JR

Chl,

On the way to another inspection, <sup>today</sup> I passed Glenwood Springs Lot 44, a lot with a ~~well~~ new well on it and <sup>which</sup> is supposedly slated for new house const.

It appears that the existing, ancient log cabin on the lot, which ~~was~~ supposedly was to be taken down, is being renovated. There is also a small ~~to~~ tow-type trailer on the lot which appears to be the dwelling for the person renovating the cabin. Fuel tanks, freshly cut wood, ~~and~~ <sup>and</sup> electrical wires, ~~and~~ were visible outside; inside <sup>the cabin,</sup> a wood-burning stove and construction materials were visible. Any drainage field for this cabin would be subject to shallow water table saturation, and probable failure, although

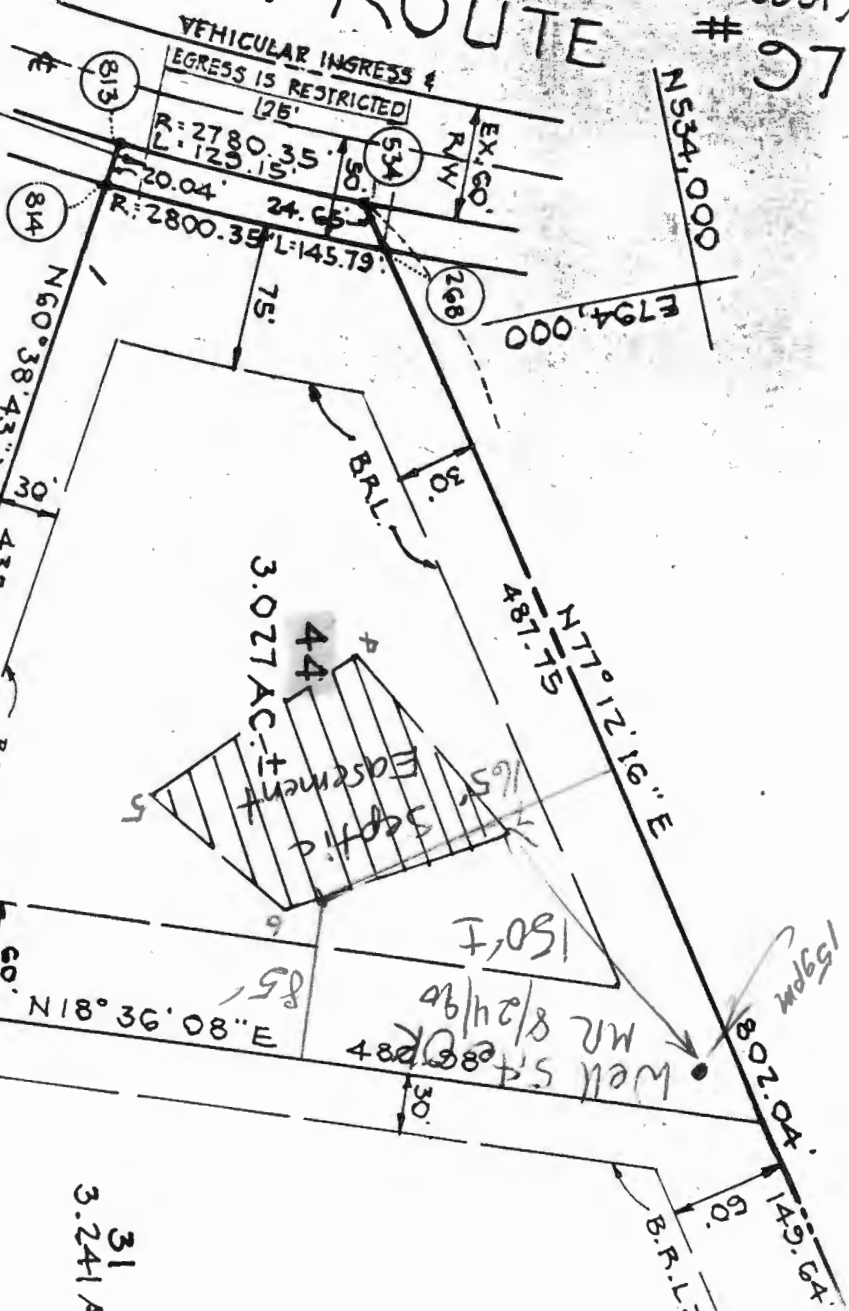
no evidence of either was seen. I recommend  
that the housing office contact the owner,  
Bill Walk, per the info in the attached file.

MR 12/6/91

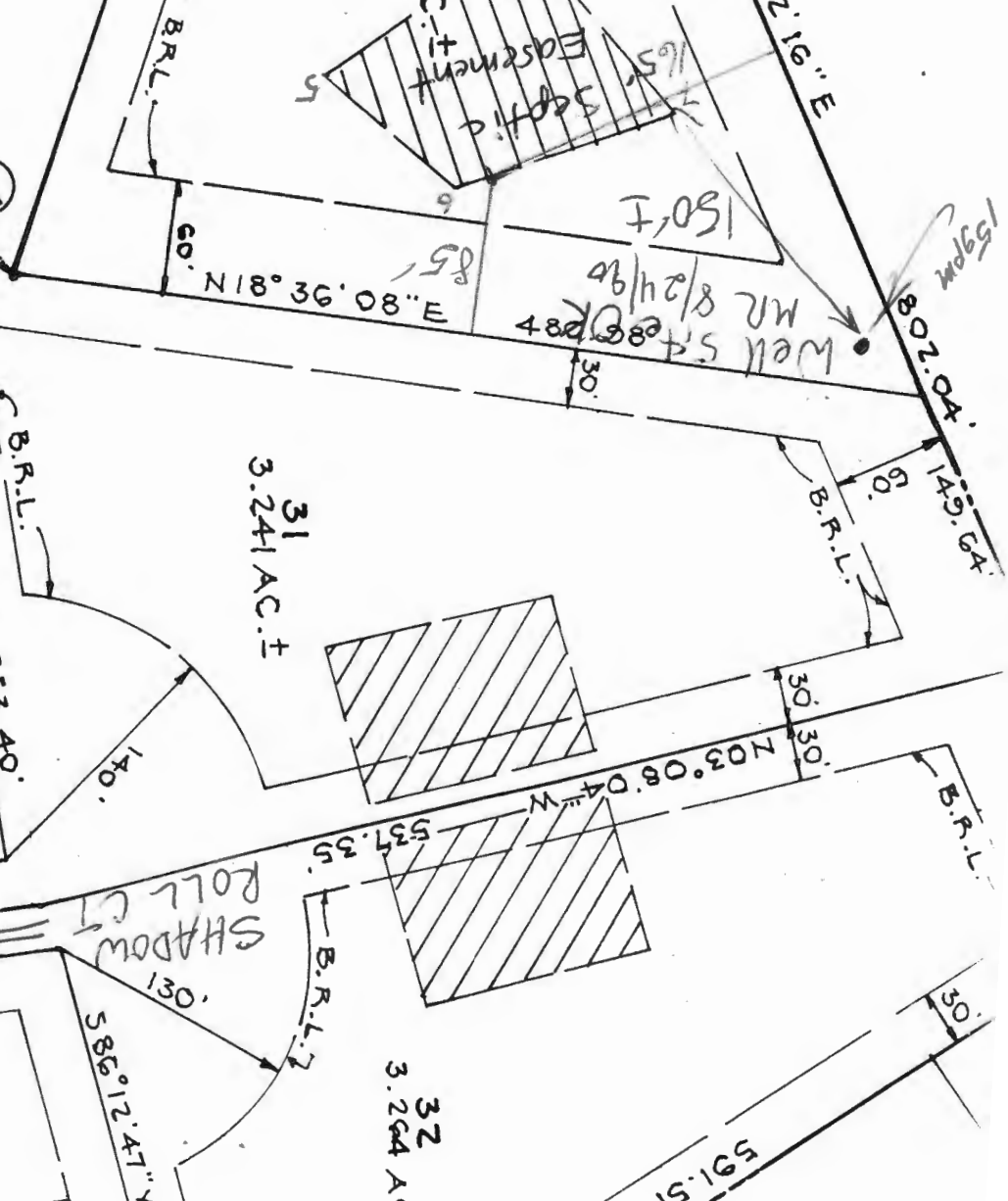
RG-FILE - NO ACTION AT THIS TIME  
6/2/92 CWL

# MD. ROUTE # 07 (SEE M.S.R.C. R/W PLAT 2521)

LAND DEDICATED TO PUBLIC USE FOR THE PURPOSE OF A PUBLIC ROAD. (0.063 AC. ±)



C. WEBSTER ABBOTT  
1377-250  
E794,000  
N533,500



Well 54  
MR 8/24/90  
159pm 8027.04  
149.69



**C 1** 0843 SEQUENCE NO. (DENY USE ONLY)  
 1 2 3 6  
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

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

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.  
 COUNTY NUMBER A 31372

ST/CO USE ONLY  
 DATE Received

DATE WELL COMPLETED  
100990

Depth of Well  
165  
 (TO NEAREST FOOT)

PERMIT NO.  
 FROM "PERMIT TO DRILL WELL"  
40-88-1489

OWNER WALK last name BILL first name  
 STREET OR RFD MD 27 97 TOWN Clenwood  
 SUBDIVISION CLENWOOD SPRINGS SECTION        LOT 44

**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      |            | Check if water bearing |
|---|-----------|------------|------------------------|
|   | FROM      | TO         |                        |
| <u>SAND Stone</u>                             | <u>0</u>  | <u>53</u>  |                        |
| <u>GRAY Mtl &amp; Rock</u>                    | <u>53</u> | <u>165</u> |                        |

**GROUTING RECORD**  
 WELL HAS BEEN GROUTED (Circle Appropriate Box)  YES  NO  
 TYPE OF GROUTING MATERIAL  
 CEMENT  BENTONITE CLAY   
 NO. OF BAGS 13 NO. OF POUNDS 122  
 GALLONS OF WATER 78  
 DEPTH OF GROUT SEAL (to nearest foot)  
 from     ft. to     ft.  
 (enter 0 if from surface)

**CASING RECORD**  
 casing types insert appropriate code below  
 ST  CO  
 PL  OT  
 STEEL CONCRETE PLASTIC OTHER

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  
 ST  BR  HO  
 PL  OT  
 STEEL BRASS OPEN HOLE BRONZE HOLE PLASTIC OTHER

**C 2**  
 DEPTH (nearest ft.)  
 EACH SCREEN  
 1 40 5 10 15 20  
 2                      
 3                      
 SLOT SIZE 1     2     3      
 DIAMETER OF SCREEN     (NEAREST INCH)  
 from     to    

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 MENTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS IDENT. NO.       

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

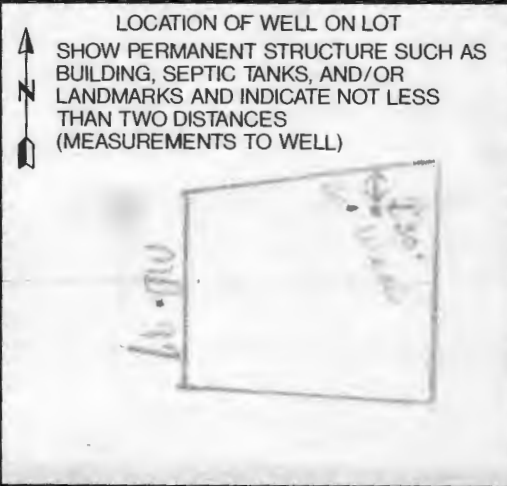
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

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.) W Q  
 70  72  74 75 76  
 TELESCOPE CASING LOG INDICATOR OTHER DATA

**C 3**  
**PUMPING TEST**  
 HOURS PUMPED (nearest hour) 3  
 PUMPING RATE (gal. per min. to nearest gal.) 15  
 METHOD USED TO MEASURE PUMPING RATE Bucket  
 WATER LEVEL (distance from land surface)  
 BEFORE PUMPING 25  
 WHEN PUMPING 25  
 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 WILL INSTALL PUMP YES  NO   
 (CIRCLE) (YES or NO)  
 IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE  
 TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE:   
 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 } LAND SURFACE (nearest foot)  
 below }



B 1 **3458** SEQUENCE NO. (DP USE ONLY)  
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

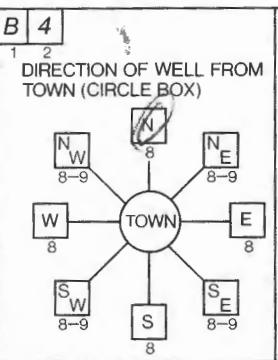
STATE OF MARYLAND  
 APPLICATION FOR PERMIT TO DRILL WELL  
 please print or type

STATE PERMIT NUMBER  
**40-88-1499**  
 fill in this form completely

**OWNER INFORMATION**  
 Date Received (APA) **082090**  
 Last Name **WALK** Owner First Name **BILL**  
 Street or RFD **PO Box 118**  
 Town **Glenwood** State **MD** Zip **21738**

**LOCATION OF WELL**  
 COUNTY **HOWARD**  
 SUBDIVISION **GLENWOOD SPRINGS**  
 SECTION **44** LOT **44**  
 NEAREST TOWN **GLENWOOD**  
 MILES FROM TOWN (enter 0 if in town) **1** MI

**DRILLER INFORMATION**  
 Driller's Name **Joseph L. Mayne** License No. **238**  
 Firm Name **Joseph L. Mayne Well Drilling**  
 Address **5512 Ridge Rd. Mt. Airy, Md. 21771**  
 Signature **Joseph L. Mayne** Date **8/15/90**



**NEAR WHAT ROAD** **Md Route 97**  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
 NORTH  WEST  EAST  SOUTH   
 DISTANCE FROM ROAD **425** FT

**WELL INFORMATION**  
 APPROX. PUMPING RATE (GAL. PER MIN.) **5**  
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **500**

**NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL**  
 COUNTY NAME **Howard** COUNTY NO. **A38342**  
 STATE SIGNATURE **Mark P. Rifkin** DATE ISSUED **3/26/91**  
 NORTH GRID **534000** EAST GRID **0794000**

**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 **225** FEET

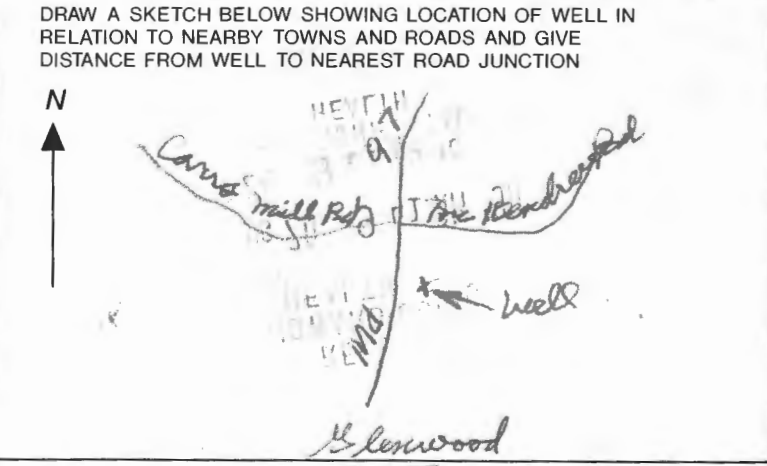
APPROXIMATE DIAMETER OF WELL **6** INCH

**METHOD OF DRILLING (circle one)**  
 BORED (or Augered)  JETTED  Jetted &  DRIVEN  
 AIR-ROTARY  AIR-PERCussion  ROTARY (Hydraulic Rotary)  
 CABLE  REVerse-ROTary  Drive-POINT  
 other \_\_\_\_\_

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  
 E **7984**  
 N **5384**

**10/9/90 GROUTED - NO ONE PRESENT, MR 11:30 10/9/90**  
**DRILLER REPORTS 43' OPEN HOLE 13 BAGS CEMENT 57' CASING**

**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  
 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 **MR** PERMIT No. **40-88-1499**

SPECIAL CONDITIONS **office 795-4275 car 440-6465**  
 COUNTY







**HOWARD COUNTY HEALTH DEPARTMENT**

*Joyce M. Boyd, M.D., County Health Officer*

September 13, 1990

*Reply to:*

Mr. Bill Walk  
P. O. Box 118  
Glenwood, Maryland 21738

RE: Well Permit Application  
Glenwood Springs - Lot 44  
Maryland Route 97  
Driller: Joseph Mayne

Dear Mr. Walk:

The above referenced well drilling application cannot be processed at this time because the problems of an existing well and septic system on the lot must be resolved. When these systems are properly abandoned, the well permit will be released for drilling at the approvable well site previously inspected.

Please contact this office to resolve this matter so we may complete the review of your application. There are specified procedures for proper abandonment, under no circumstances should you begin abandonment without first contacting this office.

Thank you for your cooperation in this matter.

Very truly yours,

*Craig Williams*

Craig Williams, Director  
Water and Sewerage Program

CW:jr

cc: Mr. Joseph Mayne  
File

*It is my intent to leave existing well in service until receipt of permit to install proposed septic system*

*Thank You Bill Walk*

Bureau of Environmental Health

3525 Ellicott Mills Drive Ellicott City, Maryland 21043-4544

Director 461-9956 Water and Sewerage, Permits 461-9933 Community Environmental Health 461-9944  
Technical Services 461-9955

*AGREED  
9/25/90  
C.W. Williams*

SUBDIVISION:

Glencood Springs  
MD Rt 97

A 38392

LOT NUMBER:

44

DRY WELL OR DRY WELL AND TRENCH

\_\_\_\_\_ sq. ft./bedroom

|           | <u>Septic Tank</u> | <u>Minimum Total Square Feet</u> |
|-----------|--------------------|----------------------------------|
| 3 bedroom | 1000 gallon        | _____                            |
| 4 bedroom | 1250 gallon        | _____                            |
| 5 bedroom | 1500 gallon        | _____                            |

Inlet \_\_\_\_\_ feet below original grade.

Bottom maximum depth \_\_\_\_\_ feet below original grade.

Effective area begins at \_\_\_\_\_ feet below original grade.

NOTE: If trench is used to make up absorbent area, run the trench on level ground and leave a 5-foot earth buffer between dry well and trench. No trench is to exceed 100 feet in length. Trench inlet to be same as dry well, with \_\_\_\_\_ feet of stone below distribution pipe.

TRENCHES

180 sq. ft./bedroom

Trench to be 3 wide.

Inlet 3 1/2 feet below original grade.

Bottom maximum depth 5 1/2 feet below original grade.

Effective area begins at 3 1/2 feet below original grade.

2 feet of stone below distribution pipe.

- NOTE:
- (1) No trench to exceed 100 feet in length.
  - (2) If more than one trench used, a distribution box is required.
  - (3) Trenches to be installed on level ground.
  - (4) Call for inspection of trench before gravel is installed.
  - (5) Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank and drywell.
  - (6) If a garbage disposal is used, increase septic tank capacity by 50% and increase absorbent sidewall area by 22%.

LOCATION: START THE FIRST TRENCH 85' FROM THE REAR LOT LINE AND 165' FROM THE LEFT LOT LINE. RUN TRENCHES ON CONTOUR TOWARD FRONT OF LOT.

MR 7/3/91