

8/21/81 down

8/24/81 App'd F.S.

# PERMIT

P 31395

A 26947

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

05-386632

ELLICOTT CITY

DISTRICT 5th

INDEX

DATE 5/22/81

Mr. James Morrill IS PERMITTED TO INSTALL  ALTER

ADDRESS 8964 Footed Ridge, Columbia, Md. PHONE 997-9039

SUBDIVISION Kalmia Farms Sec. I ROAD 5248 Kalmia Dr. LOT 15, Sec. 1

PROPERTY OWNER Mr. James Morrill

ADDRESS 8964 Footed Ridge, Columbia, Maryland 21045

SPECIFICATIONS 4 Bedrooms

SEPTIC TANK CAPACITY 1250 GALLONS

DRAIN FIELD \_\_\_\_\_ DEPTH \_\_\_\_\_ FEET. BOTTOM AREA \_\_\_\_\_ SQ. FT.

DEEP TRENCH \_\_\_\_\_ DEPTH \_\_\_\_\_ FEET. BOTTOM AREA \_\_\_\_\_ SQ. FT.

DRY WELL

SEEPAGE PITS  ABSORBENT SIDE-WALL AREA 130 SQ. FT. per bedroom

INLET PIPE 2 1/2 FT. BELOW ORIGINAL GRADE. MAXIMUM DEPTH 11 1/2 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

LOCATION OF DRY WELL PER BUILDERS HOUSE PLAN. 114' from left property line and 135' up left line from left rear corner point when facing lot from Cul de Sac at end of Kalmia Dr. (1&2 perc holes). Okay to use trench off dry well to make up absorbent sidewall area in system, leave 5ft. earth buffer between trench and dry well. Trench to follow contour of the land. Call for 2 inspections before and after gravel is installed.

PLANS APPROVED BY Mr. C.B. Streaker DATE 2/13/79

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.

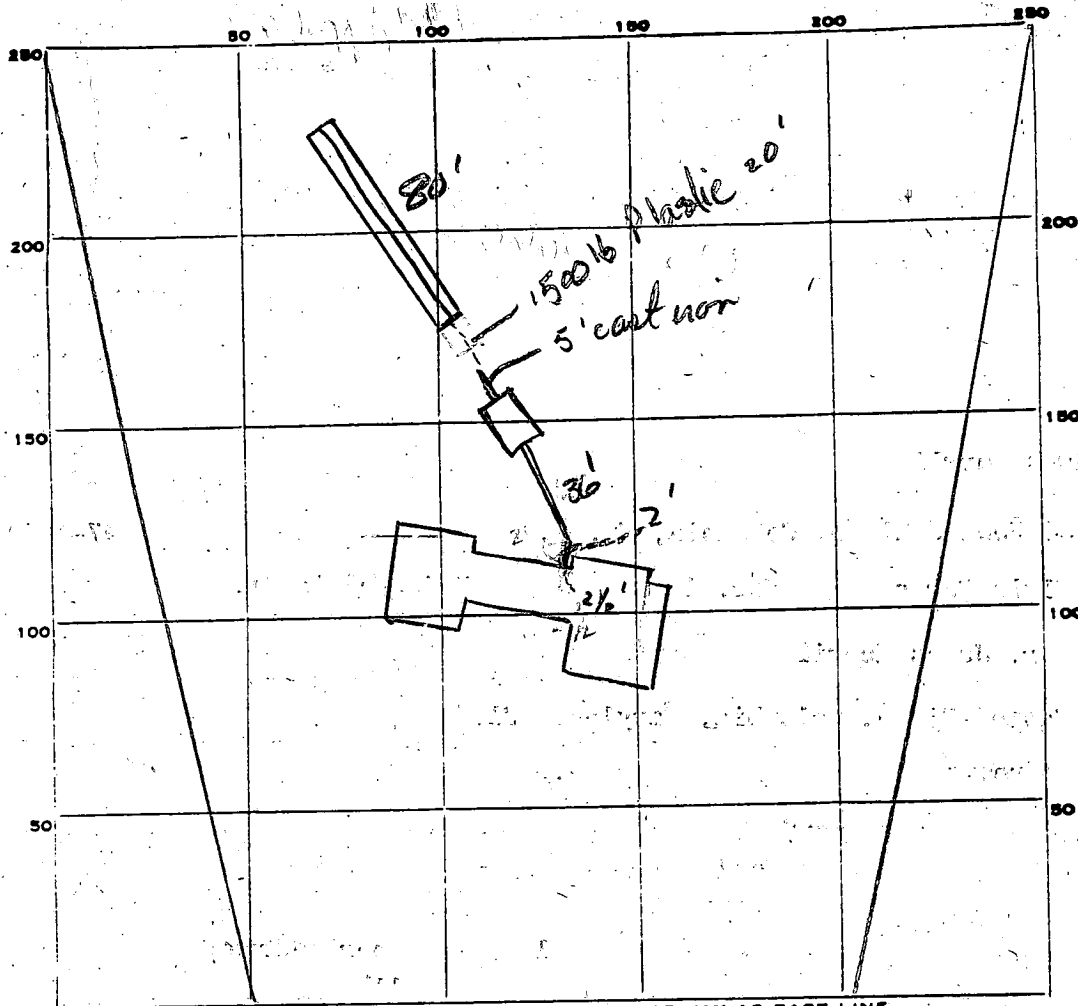
NOTE: ALL PIPE FROM HOUSE TO DISPOSAL AREA MUST BE CAST IRON.

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.

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

26947



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

KALMIA DR (ULDESAC)

PERMIT CARD

SEPTIC TANK LEVEL 1258

CLEANOUTS

DISTRIBUTION BOX LEVEL \_\_\_\_\_

TILE FIELD, DEPTH 1 1/2 FT. TRENCH WIDTH 2 FT.

GRAVEL DEPTH 8 1/2 IN. TOTAL LENGTH 80 FT.

NUMBER OF TRENCHES 1 TOTAL <sup>1/2 SIDEWALL</sup> BOTTOM AREA 640  $\phi$

SEEPAGE PITS, INSIDE DIAMETER \_\_\_\_\_ FT. DEPTH BELOW INLET \_\_\_\_\_ FT.

ABSORBENT AREA \_\_\_\_\_ SQ. FT.

REMARKS 8/21/81 ok to gravel trench + cover house sewer except  
last 5' to tank - SK- Pipe from trench to tank  
1500 lb crush not approved, used cement around cs and sewer line  
at tank SK 18/21/81 stop work! 1500 lb crush pipe  
for sewer is not acceptable, replace, SK  
8/24/81 Sewer line cemented - SK-

DATE SYSTEM APPROVED 9/24/81

INSPECTOR Grand Skinner

# APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A \_\_\_\_\_

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES  
P.O. BOX 476 ELLICOTT, MARYLAND 21043  
TELEPHONE: 992-2330

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 \_\_\_\_\_

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

PROPERTY LOCATION:

SUBDIVISION KALMIA FARMS SEC. I LOT NO. 15

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

SIZE OF LOT \_\_\_\_\_ TYPE BLDG. \_\_\_\_\_

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 \_\_\_\_\_

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

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

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

REASONS FOR REJECTION OR HOLDING: 10/24/98 Reaccomplished at office.  
C.B.S.

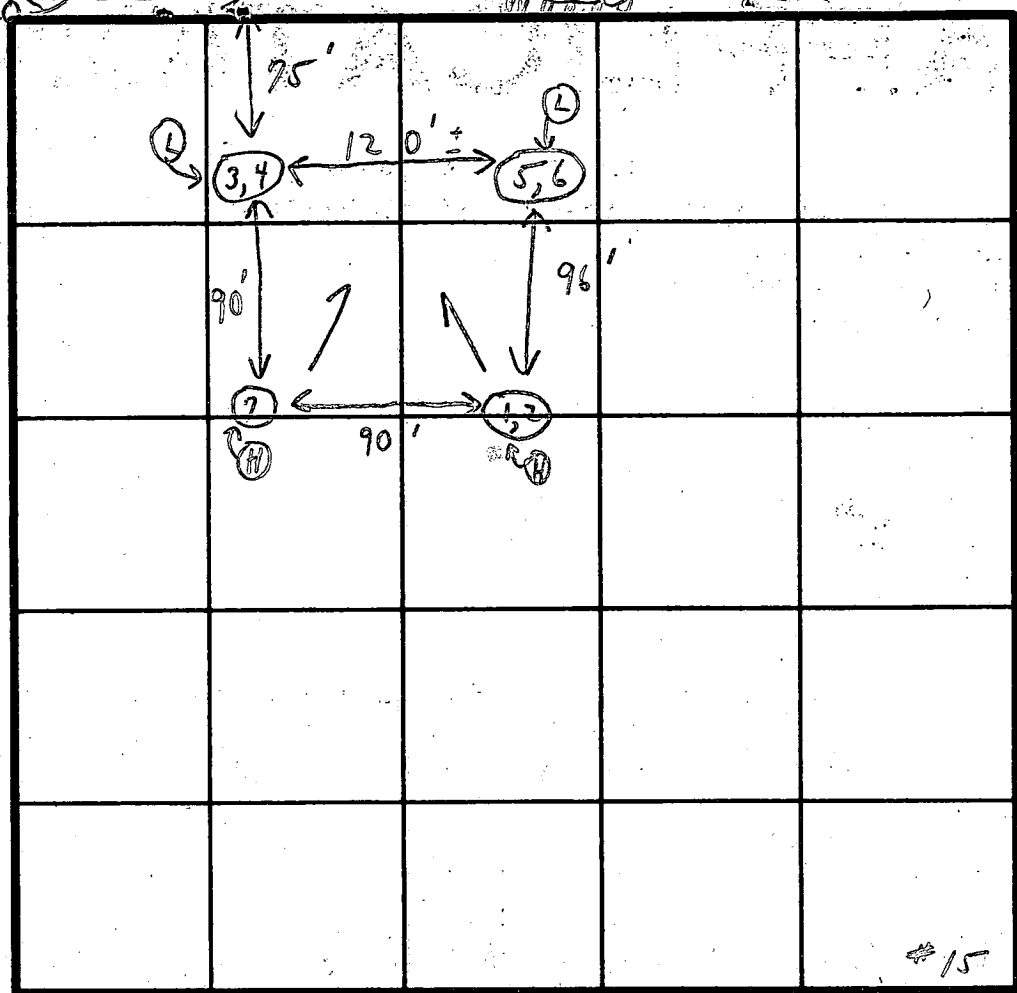
# THIS IS NOT A PERMIT

Parallels  
dist. 156'

#14 #15 156'

Woods

SOIL PROFILE  
Below  
clay  
sandy  
loam  
↓



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
9/28/77	1	2 1/2'	2:14	2:16	2:16	2:21	5 min	
	2 <sup>Use</sup>	12'	2:14	2:23	2:23 <sup>out</sup>	2:34	11 min	
	3	2 1/2'	2:10	2:13	2:13	2:20	7 min	
	④ 4	12' pl.	2:10	2:16	2:16 <sup>out</sup>	2:21	6 min	
	5	4'	2:12	2:17	2:17	2:35	18 min	
	④ 6	12' pl.	2:12	2:16	2:16	2:22	6 min	
	7	11 1/2'	Visual similar to others					
						6	53	

Unlit  
2 1/2'  
9 min  
avg.  
2 1/2'  
down  
ok sand

REMARKS Open area

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

TESTED BY C.B.V.

ALSO PRESENT 3 Fyorkes Men

# APPLICATION

A 26947

*Pre*

## SEWAGE DISPOSAL TESTING

P \_\_\_\_\_

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE <sup>1000 gallons</sup>

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES  
P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 465-5000, EXT. 356

*Septic tank* { <sup>1-3 Bedrooms</sup> DISTRICT 5th  
<sup>4 Bedrooms</sup> DATE 9/27/77

*Dry well to have 130 sq. ft. effective*  
*absorbant sidewalk area per bedroom below inlet.*  
*Inlet to be 2 1/2' below original grade and maximum*  
*depth 1 1/2'. Location per <sup>Boulder House Plans</sup> 114' in*  
*from left property line and 135' ~~from~~ left line from*  
*left rear corner point when facing lot from Calde*

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

*See at end of Kalmia Drive, (1+2) pers. hold*

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

*James Morrill*

PROPERTY OWNER Kimburthill, Inc. t/a Kalmia Farms Nursery

ADDRESS 8964 Footed Ridge PHONE 997-7059  
2901 Olney Sandy Spring Road, Olney, Maryland 924-3668

*Columbia, Md 21045*

PROPERTY LOCATION:

SUBDIVISION Kalmia Farms SEC. I LOT NO. 15

ROAD AND DESCRIPTION Triadelphia Mill Road, Howard County, Maryland

*5248 Kalmia Drive*

SIZE OF LOT \_\_\_\_\_ TYPE BLDG. \_\_\_\_\_ NUMBER OF BEDROOMS \_\_\_\_\_

IF NOT SINGLE RESIDENCE DESCRIBE \_\_\_\_\_

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

SIGNATURE OF APPLICANT *[Signature]* BLDG. PERMIT SIGNED AND RETURNED 7/17/79 Serial No. 40397

APPROVED BY C. B. Shear FOR Dry Well DATE 2/13/79  
(KIND OF SYSTEM)

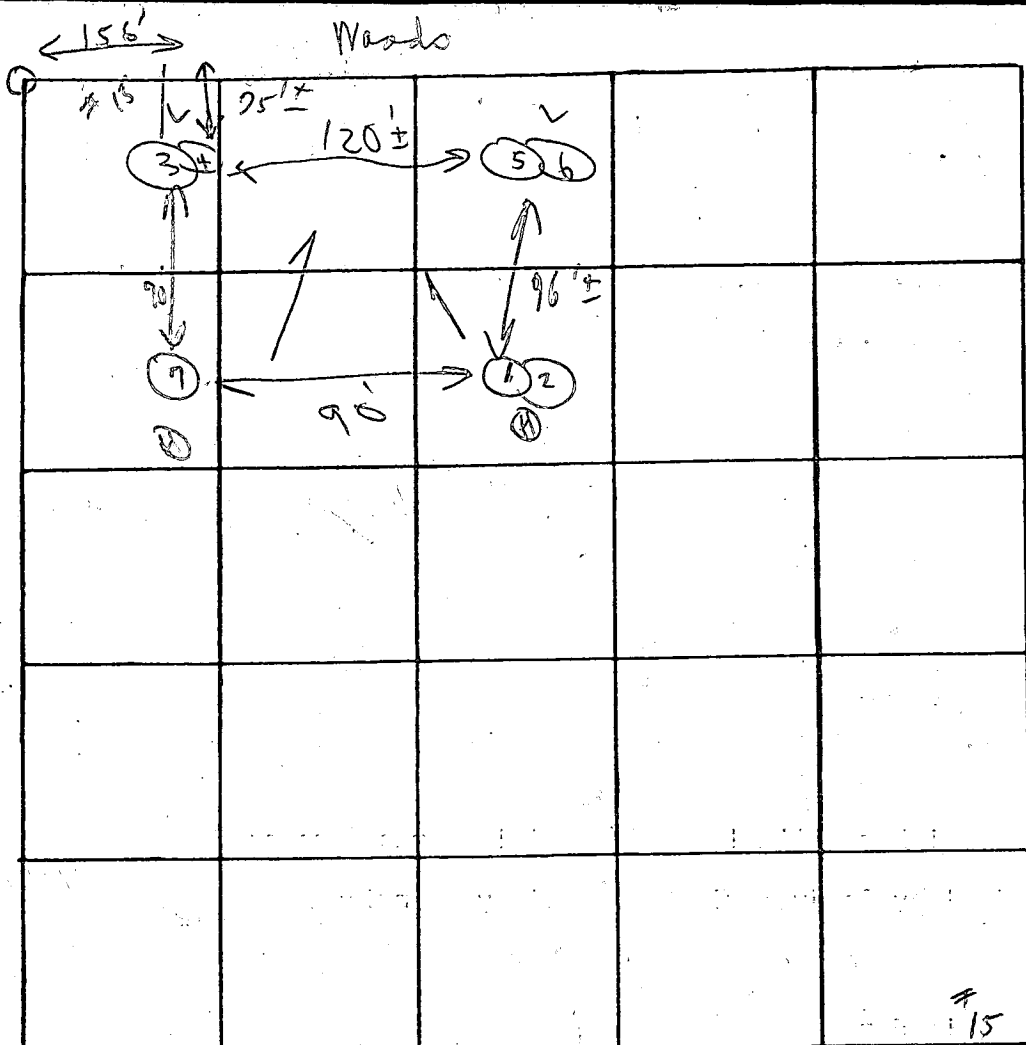
REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

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

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

# THIS IS NOT A PERMIT

#14



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

Soil Profile

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9/20/50	1	2 1/2'	2:14	2:16	2:16	2:21	5m
	2	12'	2:14	2:23	2:23	2:34	11m
	3	2 1/2'	2:10	2:13	2:13	2:20	9m
	4	12'	2:10	2:16	2:16	2:21	6m
	5	4'	2:12	2:17	2:17	2:35	18m
	6	12'	2:12	2:16	2:16	2:20	6m
	7	11 1/2'	visual analysis to the				
							6 1/53

total 2 1/2'  
9 mi avg  
2 1/2' down  
at soil

REMARKS Open area

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

TESTED BY C. P. D. ALSO PRESENT: 3 Engineers Men

Field sheet

B 1 5691 SEQUENCE NO. (WRA USE ONLY)  
 1 2 3 (SEQ. NO.) 6  
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND  
 WATER RESOURCES ADMINISTRATION  
 TAWES STATE OFFICE BLDG., ANNAPOLIS, MARYLAND 21401  
 APPLICATION FOR PERMIT TO DRILL WELL

WRA PERMIT NUMBER  
 40-73-3319  
 FILL IN THIS FORM COMPLETELY

DATE RECEIVED (WRA USE ONLY)  
 7/3/79  
 9:30 A.M.

OWNER: MORRIS, JAMES  
 COL 15 LAST NAME COL 34 FIRST NAME  
 STREET OR RFD: 8914 FORTED RIDGE  
 COL 36 COL 55  
 POST OFFICE: COLUMBIA, MD. 21045  
 COL 57 COL 76

B 1 CONTINUED DRILLER INFORMATION  
 1 2 3 (SEQ. NO.) 6  
 DATE: 6/19/79 LICENSE NUMBER: 040  
 COL 77 COL 80  
 FIRST NAME: FASTER ROAD DRILLER LAST NAME  
 SIGNATURE: [Signature]

B 3 LOCATION OF WELL  
 1 2 3 (SEQ. NO.) 6  
 COUNTY: Howard  
 COL 21 (DO NOT ABBREVIATE COUNTY NAME)  
 SUBDIVISION: BARNIA FARMS  
 COL 42  
 SECTION: 15 LOT: 15  
 COL 44 COL 48 COL 50  
 NEAREST TOWN: LAFAYETTE  
 COL 52 COL 71  
 MILES FROM TOWN (ENTER 0 IF IN TOWN): 3  
 COL 73 COL 76 COL 77 COL 78

B 2 WELL INFORMATION  
 1 2 3 (SEQ. NO.) 6  
 MAXIMUM PUMPING RATE (GALLONS PER MINUTE): 5  
 COL 8 COL 12  
 AVERAGE DAILY QUANTITY NEEDED (GALLONS PER DAY): 600  
 COL 14 COL 20

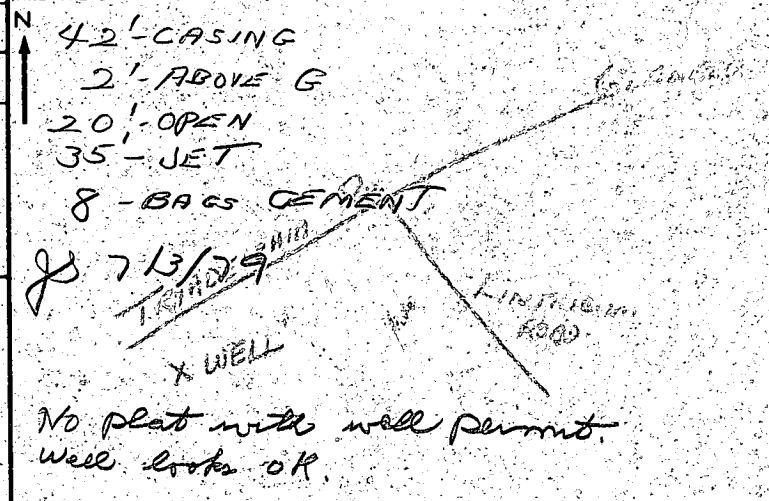
B 4 DIRECTION FROM TOWN (CIRCLE APPROPRIATE BOX)  
 1 2 3 (SEQ. NO.) 6  
 N NORTH E EAST NE NORTHEAST SE SOUTHEAST  
 S SOUTH W WEST NW NORTHWEST SW SOUTHWEST  
 NEAR WHAT ROAD: TRIADPHONIA ROAD  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX): S  
 COL 32 COL 34 COL 36 COL 38  
 DISTANCE FROM ROAD (ENTER DISTANCE AND CIRCLE APPROPRIATE BOX): 100  
 COL 34 COL 37 COL 38 COL 39

USE FOR WATER (CIRCLE APPROPRIATE BOX)  
 D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)  
 F FARMING, AGRICULTURE, IRRIGATION  
 I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOVERNMENT.  
 M MUNICIPAL WATER SUPPLY  
 P PRIVATE WATER COMPANY } MUST HAVE STATE HEALTH DEPT. APPROVAL  
 T TEST

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS, ROADS AND STREAMS WITH NORTH IN THE DIRECTION OF THE ARROW, AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION OR STREAM CROSSING SHOWN ON THE SKETCH. ALSO SHOW, BY MEANS OF AN "X", THE WELL LOCATION IN THE BOX BELOW AND THE BOX NUMBER FROM THE WELL LOCATION MAP.

APPROXIMATE DEPTH OF WELL: 150 FEET  
 COL 24 COL 28  
 APPROXIMATE DIAMETER OF WELL: 6 (NEAREST INCH)  
 COL 29 COL 31

METHOD OF DRILLING USED (CIRCLE APPROPRIATE METHOD)  
 BORED (OR AUGERED) JETTED DRIVEN  
 30-37 AIR-ROTARY AIR-PERCUSSION ROTARY (HYDRAULIC ROTARY)  
 CABLE REVERSE-ROTARY DRIVE-POINT  
 OTHER (DESCRIBE):



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)  
 COL 41 COL 52

NOT TO BE FILLED IN BY DRILLER (WRA USE ONLY)  
 APPROPRIATION PERMIT NUMBER: [ ] ENGINEER REVIEW DISTRICT NO.: [ ]  
 COL 54 COL 63 COL 65  
 FORCE: [ ] WRITE INITIALS IN BOX: [ ] CONDITIONS: [ ]  
 COL 67 COL 68 COL 70 COL 71 COL 72 COL 73 COL 74 COL 75 COL 76 COL 77 COL 78 COL 79

BOX NUMBER: E 790, N 510  
 NORTH COORDINATE: [ ] [ ] [ ] [ ] [ ] [ ]  
 COL 50 COL 51 COL 52 COL 53 COL 54 COL 55  
 EAST COORDINATE: [ ] [ ] [ ] [ ] [ ] [ ]  
 COL 57 COL 58 COL 59 COL 60 COL 61 COL 62 COL 63  
 ELEVATION AT WELL HEAD (FEET): [ ] [ ] [ ] [ ] [ ] [ ]  
 COL 65 COL 66 COL 67 COL 68  
 O/S: 0/5, 5/5

B 4 CONTINUED HEALTH DEPARTMENT APPROVAL  
 1 2 3 (SEQ. NO.) 6  
 STATE HEALTH (CIRCLE BOX): S COUNTY NAME: Howard COUNTY NO.: A26947  
 MO. DAY YR.: [ ] [ ] [ ]  
 DATE: 0 6 1 1 7 9  
 COL 43 COL 48  
 APPROVED BY: Donald W. Monaghan, Sanitaria

B 5 SPECIAL CONDITIONS 8-63 (WRA USE ONLY)  
 1 2 3 (SEQ. NO.) 6

C 1 2999

SEQUENCE NO. (WRA USE ONLY)

STATE OF MARYLAND WATER RESOURCES ADMINISTRATION TAWES STATE OFFICE BLDG., ANNAPOLIS, MD. 21401 WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 30 DAYS AFTER WELL COMPLETION

FILL IN THIS FORM COMPLETELY

COUNTY NUMBER

DATE RECEIVED (WRA USE ONLY)

7/13/79

DEPTH OF WELL

DATE WELL COMPLETED

22 (TO NEAREST FOOT) 26

PERMIT NO. FROM "PERMIT TO DRILL WELL"

HC-73-3319

28 29 30 31 32 33 34 35 36 37

DRILLERS IDENTIFICATION NO. 40

OWNER: MORRILL, LAST NAME; STREET OR RFD: 8964 FROSTEN RIDGE; POST OFFICE: COLUMBIA, MD; FIRST NAME: MORRILL

WELL DESCRIPTION

WELL LOG STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING.

Table with columns: DESCRIPTION (USE ADDITIONAL SHEETS IF NECESSARY), FEET (FROM, TO), CHECK IF WATER BEARING. Includes handwritten entries: Top soil, Shaley SANDY, SANDstone, MICA, SANDstone, MICA, SANDstone, MICA.

GROUTING RECORD

WELL HAS BEEN GROUTED (CIRCLE APPROPRIATE BOX) YES (Y) NO (N); TYPE OF GROUTING MATERIAL (CIRCLE BOX) CEMENT (CM), BENTONITE CLAY (BC); NO. OF BAGS 8, NO. OF POUNDS 800; GALLONS OF WATER 40; DEPTH OF GROUT SEAL (TO NEAREST FOOT) FROM 0 FT. TO 36 FT.

CASING RECORD

CASING TYPES: INSERT APPROPRIATE CODE BELOW; MAIN CASING TYPE: ST; NOMINAL DIAMETER TOP (MAIN) CASING (NEAREST INCH): 6; TOTAL DEPTH OF MAIN CASING (NEAREST FOOT): 42.

OTHER CASING (IF USED)

Table for OTHER CASING with columns: DIAMETER (INCH), DEPTH (FEET) FROM, TO.

SCREEN RECORD

SCREEN TYPE OR OPEN HOLE: INSERT APPROPRIATE CODE BELOW; MATERIALS: STEEL (ST), BRASS OR BRONZE (BR), OPEN HOLE (HO), PLASTIC (PL), OTHER (OT).

DEPTH (NEAREST WHOLE FOOT)

Table for DEPTH with columns: FROM, TO. Includes handwritten entries: 40, 100.

SLOT SIZE 1, 2, 3

DIAMETER OF SCREEN 56 (NEAREST INCH) FROM TO

GRAVEL PACK

IF WELL DRILLED WAS A FLOWING WELL CIRCLE BOX 68 F

WRA USE ONLY (NOT TO BE FILLED IN BY DRILLER)

TELESCOPE CASING: T 70, LOG INDICATOR: 72, OTHER DATA AVAILABLE: 74, 75, 76

PUMPING TEST

HOURS PUMPED (TO NEAREST HOUR) 3; PUMPING RATE (GALLONS PER MINUTE TO NEAREST GALLON) 15; METHOD USED TO MEASURE PUMPING RATE: Pusher; WATER LEVEL: (DISTANCE FROM LAND SURFACE) BEFORE PUMPING 30 (NEAREST FOOT); WHEN PUMPING 120 (NEAREST FOOT); TYPE OF PUMP USED (CIRCLE APPROPRIATE BOX): AIR (A), CENTRIFUGAL (C), JET (J), PISTON (P), ROTARY (R), SUBMERSIBLE (S), TURBINE (T), OTHER (O).

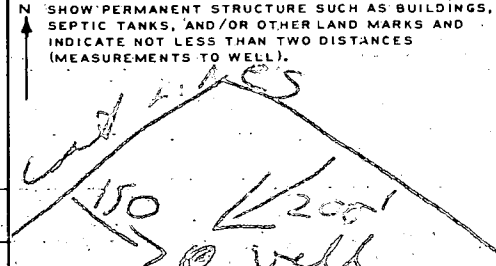
PUMP INSTALLED

TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: A, C, J, P, R, S, T, O); DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) YES (Y) NO (N); CAPACITY: GALLONS PER MINUTE (TO NEAREST GALLON) 31, 35; PUMP HORSE POWER 37, 41; PUMP COLUMN LENGTH (NEAREST FOOT) 43, 47.

CASING HEIGHT (CIRCLE APPROPRIATE BOX AND ENTER CASING HEIGHT)

CASING HEIGHT: ABOVE (+) 49, BELOW (-) 50, LAND SURFACE (NEAREST FOOT) 51.

LOCATION OF WELL ON LOT



CIRCLE APPROPRIATE BOXES

- 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 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 NAME: George F. Foster; SIGNATURE: George A. Carter

