

**B 1** 1963  
 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  
 4073 2591  
 A26208  
 FILL IN THIS FORM COMPLETELY

DATE RECEIVED (WRA USE ONLY)  
 3/10/78  
 1:30 p.m.

OWNER: Mikolowski  
 COL 15 LAST NAME FIRST NAME COL. 34  
John

STREET OR RFD: 2205 Foxly Rd.  
 COL 36 COL. 55

POST OFFICE: Timonium Md.  
 COL 57 COL. 76

**B 1** CONTINUED  
 1 2 3 (SEQ. NO.) 6  
**DRILLER INFORMATION**

DATE: Feb 10, 1978 LICENSE NUMBER: 238  
 77 80

FIRST NAME: Joseph H. Meyer DRILLER LAST NAME: Meyer

SIGNATURE: Joseph H. Meyer

**B 3** CONTINUED  
 1 2 3 (SEQ. NO.) 6  
**LOCATION OF WELL**

COUNTY: Howard (DO NOT ABBREVIATE COUNTY NAME) 21

SUBDIVISION: Hall mine 42

SECTION: G LOT: 16  
 44 48 80

NEAREST TOWN: Fulton 71

MILES FROM TOWN (ENTER 0 IF IN TOWN): 3 1/2 M I 76 77 78

**B 2** CONTINUED  
 1 2 3 (SEQ. NO.) 6  
**WELL INFORMATION**

MAXIMUM PUMPING RATE (GALLONS PER MINUTE): 5 8 12

AVERAGE DAILY QUANTITY NEEDED (GALLONS PER DAY): 750 14 20

**USE FOR WATER (CIRCLE APPROPRIATE BOX)**

HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)

FARMING, AGRICULTURE, IRRIGATION

INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOVERNMENT.

MUNICIPAL WATER SUPPLY } MUST HAVE STATE HEALTH DEPT. APPROVAL

PRIVATE WATER COMPANY }

TEST

**B 4** CONTINUED  
 1 2 3 (SEQ. NO.) 6  
**DIRECTION FROM TOWN (CIRCLE APPROPRIATE BOX)**

N NORTH  E EAST  NE NORTHEAST  SE SOUTHEAST

S SOUTH  W WEST  NW NORTHWEST  SW SOUTHWEST

NEAR WHAT ROAD: John Hopkins Rd

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX):  N  S  E  W

DISTANCE FROM ROAD (ENTER DISTANCE AND CIRCLE APPROPRIATE BOX): 45 M I 34 37 38 39

APPROXIMATE DEPTH OF WELL: 300 FEET 24 28

APPROXIMATE DIAMETER OF WELL: 6 (NEAREST INCH)

**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):

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. (DRILLER'S FIGURE)

*Driller sustained 180.00 loss due to pipe + hose being grouted into annular space RAB 3-10-78*

*4/10 mi*

*John Hopkins Rd*

*Casing - 69 feet*  
*Open hole 66.5 ~ feet*  
*Bags of II Cement 26*

**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 (WRA USE ONLY)**

APPROPRIATION PERMIT NUMBER: 54 ENGINEER REVIEW DISTRICT NO.: 63

FORCE: 67 68 WRITE INITIALS IN BOX

CONDITIONS: 70 71 72 73 74 75 76 77 78 79

BOX NUMBER: 820 480

NORTH COORDINATE: 50 51 52 53 54 55

EAST COORDINATE: 57 58 59 60 61 62 63

ELEVATION AT WELL HEAD (FEET): 65 66 67 68

**B 4** CONTINUED  
 1 2 3 (SEQ. NO.) 6  
**HEALTH DEPARTMENT APPROVAL**

STATE HEALTH (CIRCLE BOX): S COUNTY NAME: Howard COUNTY NO.: W27544

DATE: 02/14/78 APPROVED BY: Donald W. Monahan, Sanitarian

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

C 1 **4363** 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, MD. 21401  
**WELL COMPLETION REPORT**

THIS REPORT MUST BE SUBMITTED WITHIN 30 DAYS AFTER WELL COMPLETE

FILL IN THIS FORM COMPLETELY

COUNTY NUMBER

DATE RECEIVED (WRA USE ONLY)  
 DATE WELL COMPLETED 1978  
 8-13 15 20

DEPTH OF WELL 205  
 22 (TO NEAREST FOOT) 26

PERMIT NO. FROM "PERMIT TO DRILL WELL"  
HO-73-2591  
 28 29 30 31 32 33 34 35 36 37

DRILLERS IDENTIFICATION NO.

OWNER LAST NAME FIRST NAME  
 STREET OR RFD POST OFFICE

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

**GROUTING RECORD**  
 WELL HAS BEEN GROUTED (CIRCLE APPROPRIATE BOX)  Y  N  
 TYPE OF GROUTING MATERIAL (CIRCLE BOX):  
 CEMENT  M BENTONITE CLAY  B  C  
 NO. OF BAGS 96 NO. OF POUNDS 2700  
 GALLONS OF WATER 156  
 DEPTH OF GROUT SEAL (TO NEAREST FOOT)  
 FROM 48 FT. TO 66 FT.  
 (ENTER 0 IF FROM SURFACE)

C 3 (SEQ. NO.) 6  
**PUMPING TEST**  
 HOURS PUMPED (TO NEAREST HOUR) 2  
 PUMPING RATE (GALLONS PER MINUTE TO NEAREST GALLON) 5  
 METHOD USED TO MEASURE PUMPING RATE  
 WATER LEVEL: (DISTANCE FROM LAND SURFACE)  
 BEFORE PUMPING 17 (NEAREST FOOT) 20  
 WHEN PUMPING 22 (NEAREST FOOT) 25

DESCRIPTION (USE ADDITIONAL SHEETS IF NECESSARY)	FEET		CHECK IF WATER BEARING
	FROM	TO	
<i>Handwritten notes and descriptions</i>			

**CASING RECORD**  
 INSERT APPROPRIATE CODE BELOW  
 STEEL  S  T CONCRETE  C  O  
 PLASTIC  P  L OTHER  O  T  
 MAIN CASING TYPE NOMINAL DIAMETER TOP (MAIN) CASING (NEAREST INCH) TOTAL DEPTH OF MAIN CASING (NEAREST FOOT)  
60 61 63 64 66 70

**TYPE OF PUMPED USED (CIRCLE APPROPRIATE BOX) (FOR PUMPING TEST)**  
 A AIR  P PISTON  T TURBINE  
 C CENTRIFUGAL  R ROTARY  O OTHER (DESCRIBE BELOW)  
 J JET  S SUBMERSIBLE

**OTHER CASING (IF USED)**  
 DIAMETER (INCH) DEPTH (FEET) FROM TO  
 EACH CASING

**PUMP INSTALLED**  
 TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: A, C, J, P, R, S, T, O) 29  
 DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX)  Y  N  
 CAPACITY:  
 GALLONS PER MINUTE (TO NEAREST GALLON) 31 35  
 PUMP HORSE POWER 37 41  
 PUMP COLUMN LENGTH (NEAREST FOOT) 43 47

**SCREEN RECORD**  
 SCREEN TYPE OR OPEN HOLE  
 INSERT APPROPRIATE CODE BELOW  
 STEEL  S  T BRASS OR BRONZE  B  R OPEN HOLE  H  O  
 PLASTIC  P  L OTHER  O  T

**CASING HEIGHT (CIRCLE APPROPRIATE BOX AND ENTER CASING HEIGHT)**  
 + ABOVE } LAND SURFACE (NEAREST FOOT)  
 - BELOW } 49 50 51

**CIRCLE APPROPRIATE BOXES**  
 A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED  
 E ELECTRIC LOG OBTAINED  
 P TEST WELL CONVERTED TO PRODUCTION WELL

C 2 (SEQ. NO.) 6  
**DEPTH (NEAREST WHOLE FOOT)**  
 FROM TO  
 1 8 9 11 15 17 21  
 2 23 24 26 30 32 36  
 3 38 39 41 45 47 51  
 SLOT SIZE 1, 2, 3,

**LOCATION OF WELL ON LOT**  
 SHOW PERMANENT STRUCTURE SUCH AS BUILDINGS, SEPTIC TANKS, AND/OR OTHER LAND MARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL).  
*Handwritten diagram showing well location on a lot with distances of 20 ft and 30 ft.*

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  
 (PLEASE PRINT) SIGNATURE

DIAMETER OF SCREEN 56 60 (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) (E.R.O.S.)  
 T  W  Q  
 TELESCOPE CASING LOG INDICATOR OTHER DATA AVAILABLE

127.53'

50'

Lot 16  
0.928 Ac. ±

30'

D.D.

20'

Dry Well  
El. @ Perc. Test 454.50  
Top Fin. Gr. 454.50  
Inv. 451.00

Trench  
Inv. 451.00

1,250 Gal. Septic Tank  
Inv. In 456.00  
Inv. Out 455.67  
Fin. Gr. @ T/Tank 457.00

5'

60'

N 51° 08' 14" E - 330.14'

D.D.

Inv. @ Wall 456.39  
449.5 10R 454.5

455

25'

MANOR HOUSE  
F.F. 458.17  
B.F. 450.00

Gar. El. 457.84

457.7 F.F. 458.17  
AE 450.00

GAR 452.14

OK D/P/S  
3/17/98

90'

75'

40'

Well

S.C.E.

118.00'

R=170.00', L=7.00'

JOH