

5/31/79
a.m. please
10/31/79

approved 10/31/79
J. Stayer
P 29871
A 26952

PERMIT

SEWAGE DISPOSAL SYSTEM
MARYLAND STATE DEPARTMENT OF HEALTH*

HOWARD COUNTY

ELLICOTT CITY

DISTRICT 5th

INDEXED

DATE 5/28/79

FIXED Kalamazoo
no service for this company
346-7933
05-386705

Kal-Mar Plumbing, Heating & Cooling, Inc. IS PERMITTED TO INSTALL ALTER

ADDRESS 222 Leppo Road, Westminster, Md. PHONE _____

SUBDIVISION Kalmia Farms ROAD 5248 Iley Way LOT 22, Sec.1

PROPERTY OWNER Ronald Wowkanegin 774-2810

ADDRESS 3009 Shamrock Drive, Olney, Md.

SPECIFICATIONS 4 bedrooms
SEPTIC TANK CAPACITY 1250 GALLONS
DRAIN FIELD _____ DEPTH _____ FEET, BOTTOM AREA _____ SQ. FT.
DEEP TRENCH _____ DEPTH _____ FEET, BOTTOM AREA _____ SQ. FT.
SEEPAGE PITS ABSORBENT SIDE-WALL AREA 125 SQ. FT. per bedroom. in system.
INLET PIPE 2 1/2 FT. BELOW ORIGINAL GRADE. MAXIMUM DEPTH 10 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 per engineer's plat: 175 ft. down left property line from front corner point and 100 ft. in from left property line when facing lot from Iley Way. (Perc hole 1&2).

PLANS APPROVED BY Charles B. Streaker DATE 2/13/79

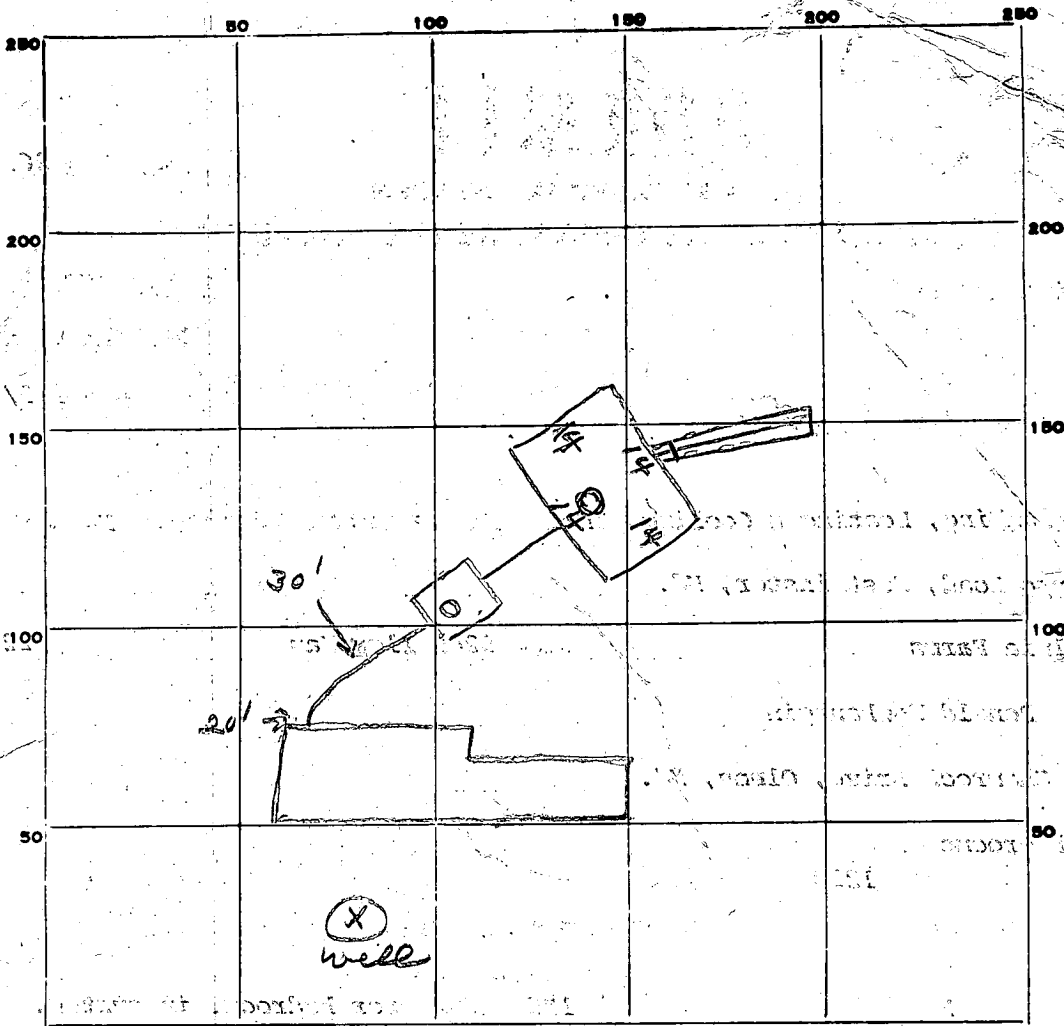
COVER NO WORK UNTIL INSPECTED AND APPROVED.
NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.
NOTE: IF TRENCH IS USED CALL FOR INSPECTION BEFORE PLACING GRAVEL IN TRENCH.
NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER.
NOTE: ALL 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.

THIS PERMIT SIGNED AND RETURNED 5/25/79
Serial # 47057-Prod

lot. 22 Kalmia Farms

A 26952



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

R.O.

PERMIT CARD

SEPTIC TANK, LEVEL

CLEANOUTS ST DW Cast Iron

DISTRIBUTION BOX, LEVEL

TILE FIELD, DEPTH 10 FT. TRENCH WIDTH 2 FT.

GRAVEL DEPTH 7 1/2 IN. TOTAL LENGTH 12 FT.

NUMBER OF TRENCHES 1 TOTAL BOTTOM AREA 90

SEEPAGE PITS, INSIDE DIAMETER 56 FT. DEPTH BELOW INLET 7 1/2 FT.

ABSORBENT AREA 510 SQ. FT.

REMARKS 5/21/79 - OK to cover work up to Digwell. Short
on sq. ft. need 15 ft trench - 10 ft deep - 7 1/2 ft gravel.
Trench to follow contour, going to right side property line.
Call when trench is dug. JS

10/31/79 - Wanted while gravel added to trench. OK
to cover all work. JS

DATE SYSTEM APPROVED 10/31/79 INSPECTOR J. Stayer

125
4
500

56
7.5
280
392
420.0

12
7.5
60
8.4
90.0
420

Kal-Mar Plumbing,
Heating & Cooling, Inc.

APPLICATION

A 26952

SEWAGE DISPOSAL TESTING

P _____

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 465-5000, EXT. 356

DISTRICT 5th

DATE 9/27/77

Septic tank } *1-3 Bedrooms 1000 gallons*
4 Bedrooms 1250 gallons

*Dry well to have 125 sq. ft. effective absorbent
sidewall area per bedroom below inlet. Inlet to be
2 1/2' below original grade and maximum depth 10'.
Location per engineer's plat: 175' down left property
line from front corner point and 100' in from left
property line when facing lot from Ellet Way.*

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

(Per hole 1+2)

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

Ronald Wolkaregin

PROPERTY OWNER Kimburthill, Inc. 1/4 Kalmia Farms Nursery 774-2810

ADDRESS 2901 Otney-Sandy Spring Road, Otney, Maryland PHONE 924-3668

PROPERTY LOCATION: 3009 Shamrock Drive, Pkney, Md. # 22 per

SUBDIVISION Kalmia Farms SEC. I. LOT NO. 2A conversion table

ROAD AND DESCRIPTION Triadelphia Mill Road, Howard County, Maryland

5248 Ellet Way ALLEY

SIZE OF LOT _____ TYPE BLDG. 4 bedrooms
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 3/21/79

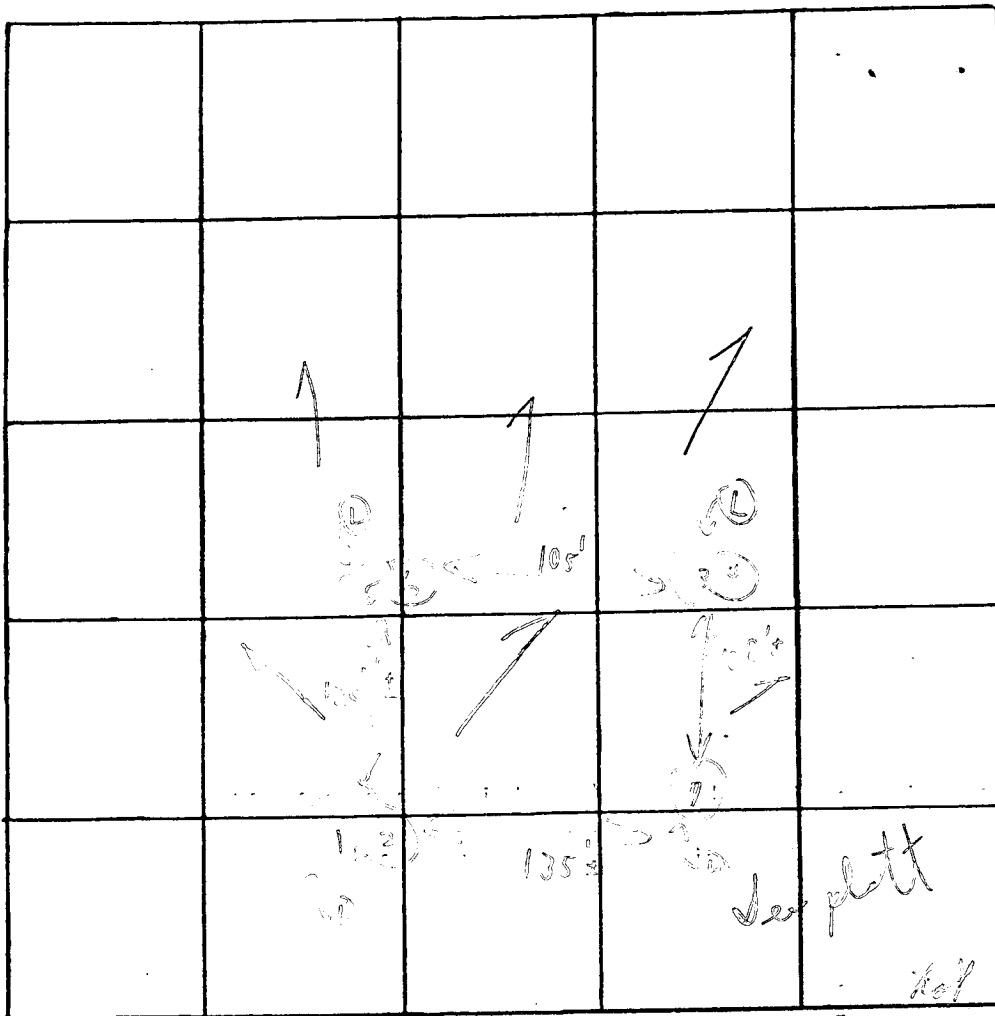
APPROVED BY C.B. Speck FOR Dry Well DATE 2/13/79
(KIND OF SYSTEM)

REJECTED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7/20	1	2 1/2'	11:25	11:26	11:26	11:29	3 min
	2	13'	11:25	11:27	11:29	11:31	4 min
	3	2 1/2'	11:40	11:42	11:42	11:45	3 min
	4	12'	11:40	11:42	11:42	11:46	4 min
	5	1 1/2'	11:32	11:34	11:34	11:36	2 min
	6	13'	11:32	11:35	11:35	11:39	4 min
	7	11 1/2'	Visual similar to others				
						6/20	

ended
2 1/2'

4 min
avg.

REMARKS Tests in open field

TYPE OF SOIL (loamy loam)

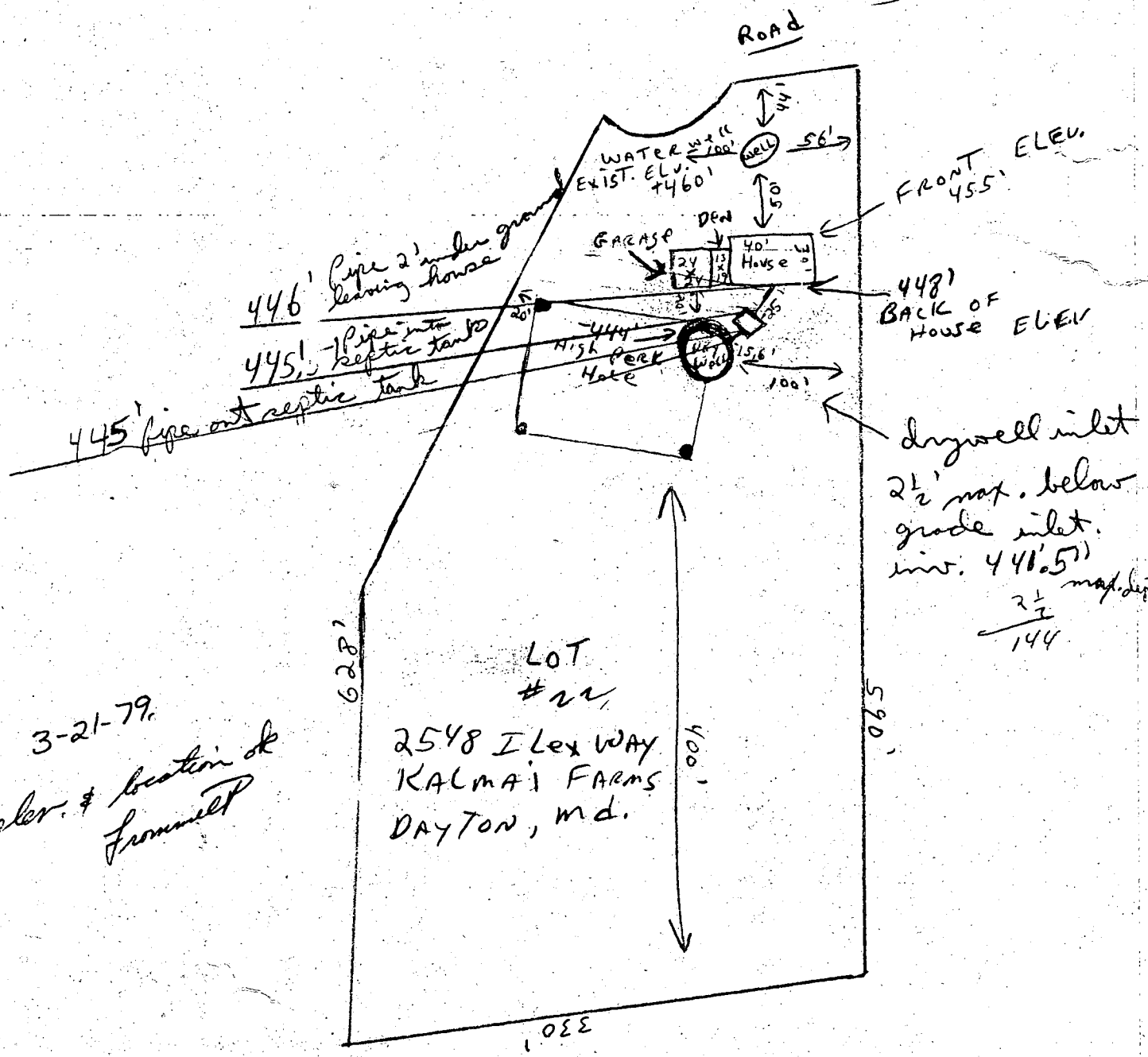
TESTED BY C. J. [unclear] ALSO PRESENT: 2 ch. [unclear]

Field sheet

F32 = 3,123

F64 = 1,5625

RONALD H. WOLKANYN
3009 SHAM ROCK TERRACE
OLNEY MD. 20832
774-2810



3-21-79.
elev. & location of
from well

LOT #22
2548 ILEX WAY
KALMAI FARMS
DAYTON, MD.

I certify the above measurements and elevations are
ACTUAL + CORRECT FOR THIS PROPERTY

Ronald H. Wolkany

B 1	5888	<small>SEQUENCE NO. (WRA USE ONLY)</small>	STATE OF MARYLAND WATER RESOURCES ADMINISTRATION TAWES STATE OFFICE BLDG., ANNAPOLIS, MARYLAND 21401 APPLICATION FOR PERMIT TO DRILL WELL	WRA PERMIT NUMBER HC 75-5165
<small>1 2 3 (SEQ. NO.) 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)</small>			FILL IN THIS FORM COMPLETELY	

7305

DATE RECEIVED (WRA USE ONLY) 3/21/79 1:30 P.M. 1st	OWNER COL 15 LAST NAME 2009 Shamrock Lane COL 36	FIRST NAME COL 34 Ronald	STREET OR RFD COL 57	POST OFFICE COL 57 Olney Md.	COL 76
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B 1	CONTINUED	DRILLER INFORMATION
<small>1 2 3 (SEQ. NO.) 6</small>		
DATE 2/9/79	LICENSE NUMBER 4030	77 80
FIRST NAME W F Easterday	DRILLER	LAST NAME
SIGNATURE <i>W F Easterday</i>		

B 3	LOCATION OF WELL
<small>1 2 3 (SEQ. NO.) 6</small>	
COUNTY Howard	DO NOT ABBREVIATE COUNTY NAME 21
SUBDIVISION Kalonia Farms	23 42
SECTION 44	LOT 22 48 50
NEAREST TOWN 52 Bladys	71
MILES FROM TOWN (ENTER 0 IF IN TOWN) 3	MI 76 77 78

B 2	WELL INFORMATION
<small>1 2 3 (SEQ. NO.) 6</small>	
MAXIMUM PUMPING RATE (GALLONS PER MINUTE) 5	8 12
AVERAGE DAILY QUANTITY NEEDED (GALLONS PER DAY) 500	14 20
USE FOR WATER (CIRCLE APPROPRIATE BOX)	
<input type="checkbox"/> D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)	
<input type="checkbox"/> F FARMING, AGRICULTURE, IRRIGATION	
<input type="checkbox"/> I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOVERNMENT.	
<input type="checkbox"/> M MUNICIPAL WATER SUPPLY	
<input type="checkbox"/> P PRIVATE WATER COMPANY	
<input type="checkbox"/> T TEST	
MUST HAVE STATE HEALTH DEPT. APPROVAL	

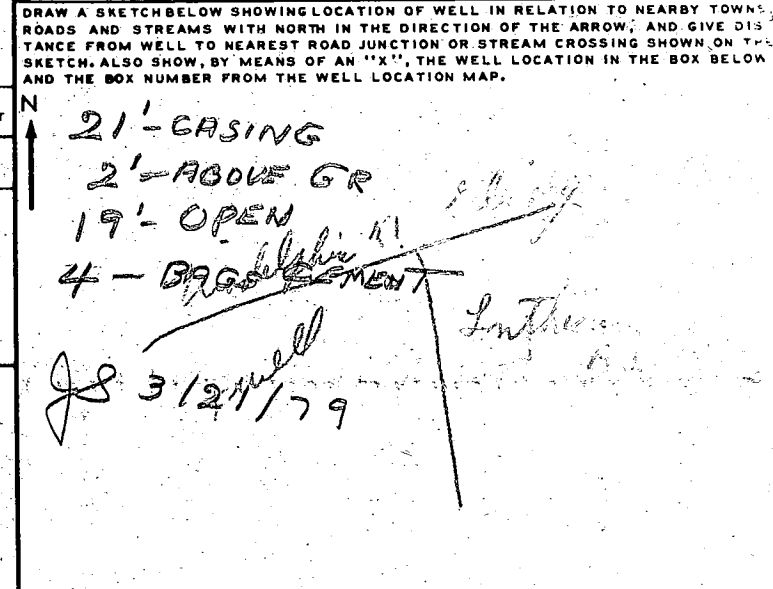
B 4	DIRECTION FROM TOWN (CIRCLE APPROPRIATE BOX)
<small>1 2 3 (SEQ. NO.) 6</small>	
<input type="checkbox"/> N NORTH	<input type="checkbox"/> E EAST
<input type="checkbox"/> NE NORTHEAST	<input type="checkbox"/> SE SOUTHEAST
<input type="checkbox"/> S SOUTH	<input checked="" type="checkbox"/> W WEST
<input type="checkbox"/> NW NORTHWEST	<input type="checkbox"/> SW SOUTHWEST
NEAR WHAT ROAD 11 Triadelphia Rd.	8 9
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) N NORTH S SOUTH E EAST W WEST	30
DISTANCE FROM ROAD (ENTER DISTANCE AND CIRCLE APPROPRIATE BOX) 34	MI 38 39

APPROXIMATE DEPTH OF WELL 24	FEET 28
APPROXIMATE DIAMETER OF WELL 6	(NEAREST INCH)

METHOD OF DRILLING USED (CIRCLE APPROPRIATE METHOD)		
<input checked="" type="checkbox"/> BORED (OR AUGERED)	<input type="checkbox"/> JETTED	<input type="checkbox"/> DRIVEN
<input type="checkbox"/> 30-37 AIR-ROTARY	<input type="checkbox"/> AIR-PERCUSSION	<input type="checkbox"/> ROTARY (HYDRAULIC ROTARY)
<input type="checkbox"/> CABLE	<input type="checkbox"/> REVERSE-ROTARY	<input type="checkbox"/> DRIVE-POINT
OTHER (DESCRIBE)		

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)	
<input type="checkbox"/> N THIS WELL WILL NOT REPLACE AN EXISTING WELL	
<input type="checkbox"/> Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED	
<input type="checkbox"/> S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY	
<input type="checkbox"/> D THIS WELL WILL DEEPEM AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)	
41	52

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



B 4	CONTINUED	HEALTH DEPARTMENT APPROVAL
<small>1 2 3 (SEQ. NO.) 6</small>		
STATE HEALTH (CIRCLE BOX) 41	COUNTY NAME Howard	COUNTY NO. W29506
DATE 0 2 1 3 7 9	APPROVED BY Fred Fromelt, Sanitarian	
43	48	53

BOX NUMBER	E 790	N 510	0/5	5/5
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	0/0	5/0

B 5	SPECIAL CONDITIONS 8-83 (WRA USE ONLY)
<small>1 2 3 (SEQ. NO.) 6</small>	
8	63

C 1 5001
 SEQUENCE NO. (WRA USE ONLY)
 (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 COMPLETION
 COUNTY NUMBER
 NUMBER

DATE RECEIVED (WRA USE ONLY) 8-13
 DATE WELL COMPLETED 3/21/79
 DEPTH OF WELL 1100 (TO NEAREST FOOT)
 PERMIT NO. FROM "PERMIT TO DRILL WELL"
 DRILLERS IDENTIFICATION NO. 40

OWNER WOLKANYN RONALD
 STREET OR RD. 300 JAMICLETTER
 POST OFFICE 21045 MD

WELL LOG

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER-BEARING

DESCRIPTION (USE ADDITIONAL SHEETS IF NECESSARY)	FEET		CHECK IF WATER BEARING
	FROM	TO	
TOP SOIL	0	2	
CLAY	2	4	
SHALE	4	12	
BROWN SLATE	12	18	
MICA	18	25	
BROWN SLATE	25	30	
MICA	30	48	
BROWN SLATE	48	55	✓
MICA	55	85	
BROWN SLATE	85	89	✓
MICA	89	160	

GROUTING RECORD

WELL HAS BEEN GROUTED (CIRCLE APPROPRIATE BOX) YES (3) NO (N)

TYPE OF GROUTING MATERIAL (CIRCLE BOX)
 CEMENT (CM) 45 46 BENTONITE CLAY (BC) 45 46

NO. OF BAGS 4 NO. OF POUNDS 400

GALLONS OF WATER 20

DEPTH OF GROUT SEAL (TO NEAREST FOOT)
 FROM 0 FT. TO 19 FT.
 (ENTER 0 IF FROM SURFACE)

CASING RECORD

INSERT APPROPRIATE CODE BELOW

STEEL (ST) CONCRETE (CO)
 PLASTIC (PL) OTHER (OT)

MAIN CASING TYPE (S) (T) (6) (21)
 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

INSERT APPROPRIATE CODE BELOW

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

DEPTH (NEAREST WHOLE FOOT)

FROM TO

1 110 19 160

2 23 24 26 30 32 36

3 38 39 41 45 47 51

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 (E.R.O.S.) 72 OTHER DATA AVAILABLE (W O) 74 75 76

PUMPING TEST

HOURS PUMPED (TO NEAREST HOUR) 2

PUMPING RATE (GALLONS PER MINUTE TO NEAREST GALLON) 10

METHOD USED TO MEASURE PUMPING RATE (P) (S)

WATER LEVEL: (DISTANCE FROM LAND SURFACE)
 BEFORE PUMPING 50 (NEAREST FOOT)
 WHEN PUMPING 160 (NEAREST FOOT)

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

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 39
 PUMP HORSE POWER 37 41
 PUMP COLUMN LENGTH (NEAREST FOOT) 43 47

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 BUILDINGS, SEPTIC TANKS, AND/OR OTHER LAND MARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL).

WELL 60'

100'

TRICEPHER RD.

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
 (PLEASE PRINT) George F. Eastern
 SIGNATURE George F. Eastern

330.00'

S 17° 47' 27" W.

60' B.R.L.

Lot 22
(3.861 Ac.)

S 67° 16' 44" E.

385' ±

N 67° 48' 34" W
291.32'

FILTER PAD

(1) EX. 15' LONG TRENCH

30' 9" R.V.
34' 3" R.V.
33' 7" R.V.
N.

POOL OK
BY R Hodges
BP 47051
1/25/93

1:60

NK

570.24'

38'

25'

25'

HOUSE

75'

FRONT

91.59'

165' ±

B.R.L.

79' ±

72.60'

FENCE DATA

5' HIGH ORNAMENTAL
FENCE AS PER.

(BY OWNER)

170° 12' 37" E