

11/19/81
9-30 if possible
11/20/81
around noon

APPROVED
11/20/81 P 31707
A Repair

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

ELLICOTT CITY

DISTRICT 6th

INDEX

DATE _____

Jack Fyock

IS PERMITTED TO INSTALL _____ ALTER X

ADDRESS 13775 Triadelphia Road, Glenelg, Md. 21737 PHONE 988-9270

SUBDIVISION _____ ROAD 9726 Berger Road LOT _____

PROPERTY OWNER Howard Research and Development Corporation

ADDRESS 9726 Berger Road, Columbia, Md.

SPECIFICATIONS

SEPTIC TANK CAPACITY _____ GALLONS

DRAIN FIELD _____ DEPTH _____ FEET. BOTTOM AREA _____ SQ. FT.

DEEP TRENCH DEPTH 12 FEET. BOTTOM AREA 460 SQ. FT. ONE SIDE

SEEPAGE PITS _____ ABSORBENT SIDE-WALL AREA _____ SQ. FT.

INLET PIPE _____ FT. BELOW ORIGINAL GRADE. MAXIMUM DEPTH _____ 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

7 REPAIR - Call for an appointment when ground is opened up so Sanitarian can recommend the repair system.

DITCH 12 FT DEEP 2 FT WIDE FILLED WITH 7 FT OF STONE 67 FT LONG

PLANS APPROVED BY Palmer F. Wine DATE 11/17/80

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.

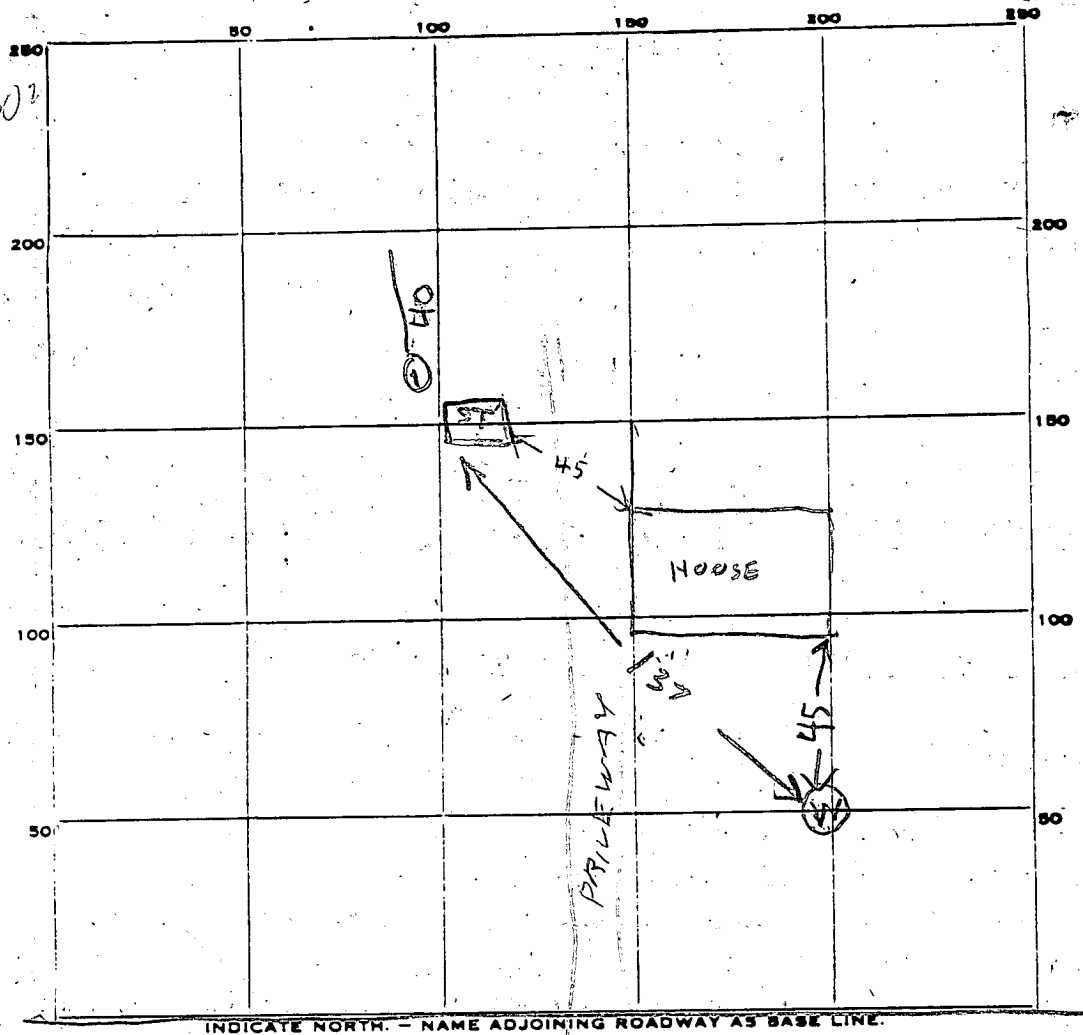
PERMIT VOID AFTER THREE YEARS.

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRAZO ACCEPTED.

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

PX 31707

460
 66
 7143
 44



7143
 39

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
 BERGER RD

PERMIT CARD _____

SEPTIC TANK, LEVEL OK 1000 CONCRETE

CLEANOUTS ST
OK

DISTRIBUTION BOX, LEVEL _____

DITCH FILE FIELD, DEPTH 12 FT. TRENCH WIDTH 2 FT.

GRAVEL DEPTH 9 FT IN. TOTAL LENGTH 40 68 FT.

NUMBER OF TRENCHES 1 TOTAL BOTTOM AREA 612 ONE SIDE TOTAL
476 ONE SIDE BELOW CLAY

SEEPAGE PITS, INSIDE DIAMETER _____ FT. DEPTH BELOW INLET _____ FT.

ABSORBENT AREA _____ SQ. FT.

11/19/81 REMARKS HOLE ① SEE SOIL PROFILE PROBABLY OK FOR DITCH

MUST CHECK ANOTHER HOLE OR EXTENDED DITCH

11/19/81 - DITCH EXTENDED 40 FT SOIL IS SAME AS ①

MAKE DITCH 12 FT DEEP WITH 7 FT OF ROCK

11/20/81 DITCH EXTENDED & STONE & PIPE ADDED

DATE SYSTEM APPROVED 11/20/81

INSPECTOR Raymond Holger

11/18/81
10:00

HO-73-4054

FILE Emergency Well Inspection

DATE REPORTED November 16, 1981

PROPERTY OWNER Howard Research and Development Corporation

P.O. ADDRESS 9726 Berger Road, Columbia, Md. 21046 TELEPHONE

DIRECTIONS TO PROPERTY Richards Thomas - tenant - employed by Rouse Co.

INFORMANT Easterday - Driller

829-1640

CONDITION FOUND 11/16/81 Home dug well located under back porch on left side of house.

New well in front yard, 55 ft from house + 80 ft from Berger Rd.

Overflowing sewage pipe in field 130 ft from left side of house. Need to contact Robert Young at Rouse

ACTION TAKEN Wldg. to replace present system. There are 5 people living in house. JS

11/18/81 Tag delivered to Easterday's crew @ Grout site J.S.

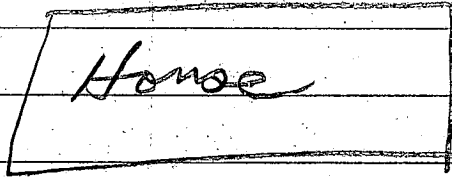
11/18/81 well grouted 28' casing
2' above gr
JS 25' open
7' base concrete

FINAL DISPOSITION

9726 Berger Rd

overlapp

X ← 130' →



55'

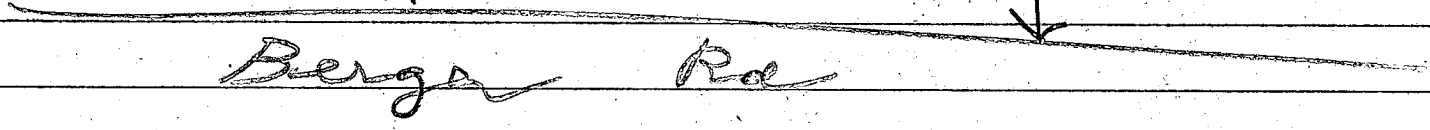


new well

80'



driveway



Berger Rd

B 1 **4911** SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND
PERMIT TO DRILL WELL
please print or type

OEP PERMIT NUMBER
HO-73-4054
fill in this form completely

Date Received 11/20/81
(OEP Use Only)

OWNER INFORMATION

Edward K. Research, Inc.
Last Name 15 Owner 34 Name

Roussell
Street or RFD 55

Columbia MD
Town 57 State 76 Zip 78

B 3 **LOCATION OF WELL**

COUNTY Howard

SUBDIVISION _____

SECTION _____ LOT _____

NEAREST TOWN Atholton

MILES FROM TOWN (enter 0 if in town) 2

B 1 **Continued** **DRILLER INFORMATION**

George F. Estender
Driller's Name 77 License No. 40

I. F. Eastender, Inc.
Firm Name

9265 Brown Church Rd. Atholton, Md.
Address

George F. Estender
Signature 11/17/81 Date

B 4 **DIRECTION OF WELL FROM TOWN (CIRCLE BOX)**

Berger Rd.
NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

WEST EAST

NORTH SOUTH

150
DISTANCE FROM ROAD 37

(CIRCLE APPROPRIATE BOX) FT

B 2 **WELL INFORMATION**

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

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) _____

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)

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

1. _____

2. _____

3. _____

WRITE THE BOX NUMBER FROM THE MAP HERE

840 2

480 7

APPROXIMATE DEPTH OF WELL 150 FEET

APPROXIMATE DIAMETER OF WELL 6 NEAREST 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)

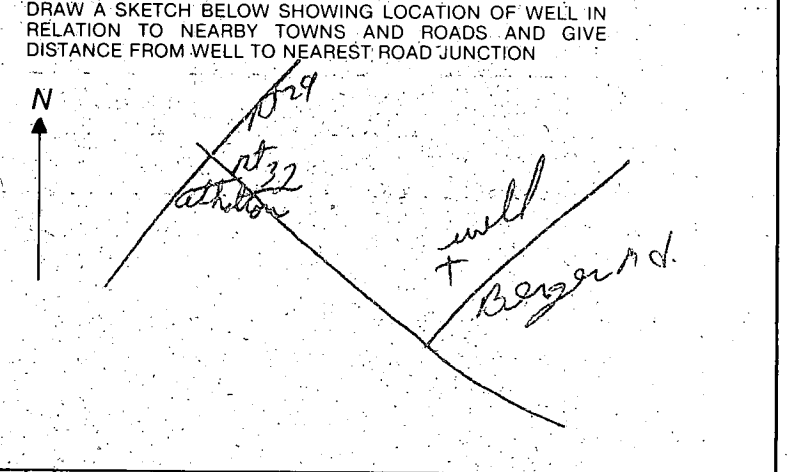
THIS WELL WILL NOT REPLACE AN EXISTING WELL

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)

APPROX. PERMIT NUMBER GAP

FORCE INITIALS IN BOX PERMIT No. HO-73-4054

B 4 **NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL**

HOWARD COUNTY NAME

P 31707 COUNTY NO.

OEP SIGNATURE _____ STATE HEALTH CIRCLE BOX

DATE ISSUED 11/16/81

Frank Sherris CO SIGNATURE

NORTH GRID 487 EAST GRID 0842 EXPIRES 05/1/82

B 5 **SPECIAL CONDITIONS 8-63**

C1 1338

SEQUENCE NO. (OEP 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 P 31-707

Date Received (OEP, use only)

DATE WELL COMPLETED 11/18/81

Depth of Well 200

PERMIT NO.

FROM "PERMIT TO DRILL WELL" W0-73-4054

OWNER Howard Research & Development

STREET OR RFD 726 Berger Road

TOWN Atholton

SUBDIVISION

SECTION

LOT

WELL LOG Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Rows include TOP SOIL, SHALEY, MICA, SANDSTONE, FLINT, SANDSTONE, MICA, SANDSTONE, MICA.

WELL HAS BEEN GROUTED (Circle appropriate box) YES (Y) NO (N) TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 7 NO. OF POUNDS 700 GALLONS OF WATER 35 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 25 ft.

CASING RECORD casing types insert appropriate code below MAIN CASING TYPE S T Nominal diameter top (main casing) (nearest inch) 6 Total depth of main casing (nearest foot) 28

OTHER CASING (if used) diameter inch depth (feet) from to

SCREEN RECORD screen type or open hole insert appropriate code below S T B R H O STEEL BRASS OPEN HOLE BRONZE HOLE PLASTIC OTHER

DEPTH (nearest ft.) H O 26 200

SLOT SIZE DIAMETER OF SCREEN (NEAREST INCH) GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL CIRCLE BOX F

C 3 Seq. no.

PUMPING TEST HOURS PUMPED (nearest hour) 2

PUMPING RATE (gal. per min. to nearest gal.) 15 METHOD USED TO MEASURE PUMPING RATE BUCKET

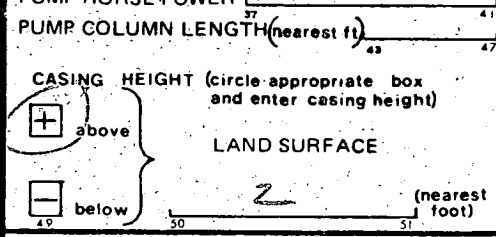
WATER LEVEL (distance from land surface) BEFORE PUMPING 40 WHEN PUMPING 200

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 YES NO DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) Y N IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE. TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: (A, C, J, P, R, S, T, O)) 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 - below 2 (nearest foot)

LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)



CIRCLE APPROPRIATE BOX 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 10.17.13 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS IDENT. NO. 40 DRILLERS SIGNATURE Charles R. Fallers SITE SUPERVISOR (sign of driller or journeyman responsible for sitework if different from permittee)

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