

C 1 6206 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

DATE RECEIVED (OEP USE ONLY)

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 A32359

OWNER Pickens last name Brooks Road first name Randall

STREET OR RFD Brooks Road TOWN Highland SUBDIVISION Robert Shillinger property SECTION LOT 13

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. Includes handwritten entries: Sand 0-66, gray mica rock 66-380.

- 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. 238
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

GROUTING RECORD
WELL HAS BEEN GROUTED (Y)
TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC)
NO. OF BAGS 27 NO. OF POUNDS 2538
GALLONS OF WATER 162
DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 60 ft.

CASING RECORD
MAIN CASING TYPE (ST) 6 inch nominal diameter, 73 feet total depth

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

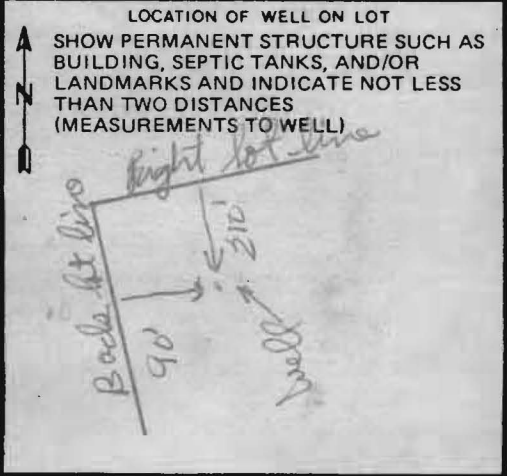
SCREEN RECORD
DEPTH (nearest ft.) 71, 38
SLOT SIZE 1, 2, 3
DIAMETER OF SCREEN (NEAREST INCH) from to

GRAVEL PACK
IF WELL DRILLED WAS FLOWING WELL CIRCLE BOX (F)

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)
TELESCOPE CASING (70) LOG INDICATOR (72) OTHER DATA (74, 75, 76)

PUMPING TEST
HOURS PUMPED (nearest hour) 6
PUMPING RATE (gal. per min. to nearest gal.) 11
METHOD USED TO MEASURE PUMPING RATE submersible
WATER LEVEL (distance from land surface) BEFORE PUMPING 42, WHEN PUMPING 106
TYPE OF PUMP USED (for test) submersible (S)

PUMP INSTALLED
DRILLER WILL INSTALL PUMP (Y)
TYPE OF PUMP (WRITE APPROPRIATE LETTER 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/below LAND SURFACE 2 (nearest foot)



FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 73-4363
 Location of property (road) Brooks Road
 Subdivision Robert Shillinger property Lot 13 Block — Plat — Sec. —
 Well Driller Joseph Mayne Owner Randall Pickens

Depth of well 380
 Distance of measuring point (M.P.) above ground 2
 Static water level (S.W.L.) below M.P. 42

I. High rate pumping -- reservoir drawdown

Time pump started 9:15 Pumping rate 9
 Total time 11:00 to reach pumping water level 106 ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
9:15	112	35 sec.		9
9:30	85	35 sec.		9
9:45	118	35 sec.		9
10:00	118	5 min.		1
10:15	115	5 min.		1
10:30	108	5 min.		1
10:45	107	5 min.		1
11:00	106	5 min.		1
11:15	106	5 min.		1
11:30	106	5 min.		1
11:45	106	5 min.		1
12:00	106	5 min.		1
12:15	106	5 min.		1
12:30	106	5 min.		1
12:45	106	5 min.		1
1:00	106	5 min.		1
1:15	106	5 min.		1
1:30	106	5 min.		1
1:45	106	5 min.		1
2:00	106	5 min.		1
2:15	106	5 min.		1
2:30	106	5 min.		1
2:45	106	5 min.		1
3:00	106	5 min.		1
3:15	106	5 min.		1
3:30	106	5 min.		1

1/10/83
 B 1 0274 SEQUENCE NO. (OEP USE ONLY) Purp test
 STATE OF MARYLAND PERMIT TO DRILL WELL
 9:00 hrs
 9:30 Cont. please print or type
 OEP PERMIT NUMBER
 HO-73-4363
 fill in this form completely

Date Received 1 2 2 9 8 2
 (OEP Use Only) 8 13
 OWNER INFORMATION
 Prickens RANDALL
 Last Name 15 Owner 34 Name
 1510 HAVILAND MILL RD
 Street or RFD 36 55
 CHARLESVILLE MD
 Town 57 State 76 Zip

B 3 LOCATION OF WELL
 COUNTY Howard
 SUBDIVISION Robert Shillinger property
 SECTION 23 LOT 13
 NEAREST TOWN Highland
 MILES FROM TOWN (enter 0 if in town) 1
 1 23 6 21 42 50 71 76 77 78

B 1 Continued DRILLER INFORMATION
 Driller's Name Frank L. Mayne 77 License No. 80 238
 Firm Name Frank L. Mayne
 Address 5512 Ridge Rd. Mt. Airy Md. 21771
 Signature Frank L. Mayne Date 12/29/82

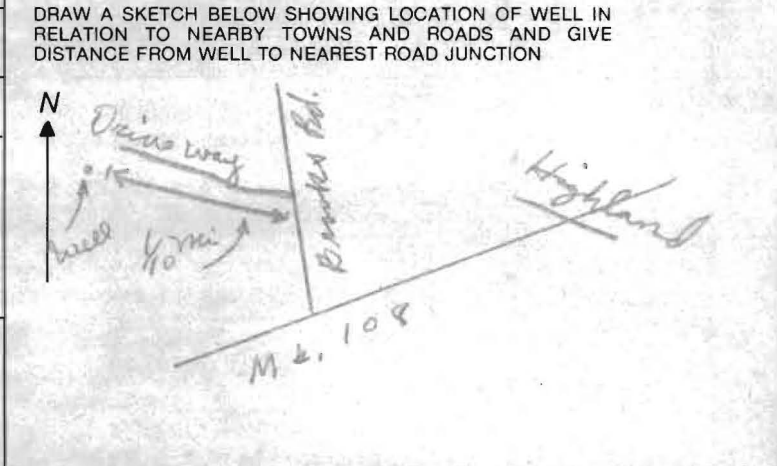
B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)
 TOWN
 NEAR WHAT ROAD Brooks Rd
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 WEST EAST SOUTH
 DISTANCE FROM ROAD 1/10
 (CIRCLE APPROPRIATE BOX) 34 37 38 39

B 2 WELL INFORMATION
 APPROX. PUMPING RATE (GAL. PER MIN.) 5
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500
 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. well
 2.
 3.
 WRITE THE BOX NUMBER FROM THE MAP HERE
 900 7
 480 8
 11/10/83

APPROXIMATE DEPTH OF WELL 200 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



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) 41 52

B 4 NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
 COUNTY NAME HOWARD COUNTY NO. A32359
 OEP SIGNATURE DATE ISSUED 122982
 CO SIGNATURE Frank Skinner
 NORTH GRID 488 EAST GRID 0807
 EXPIRES 062983

Not to be filled in by driller (OEP USE ONLY)
 APPROP. PERMIT NUMBER GAP
 FORCE ES WRITE INITIALS IN BOX PERMIT No. HO-73-4363

B 5 SPECIAL CONDITIONS B-63

Brook Rd Lot 13

STATE OF MARYLAND
DEPARTMENT OF HEALTH AND MENTAL HYGIENE
LABORATORIES ADMINISTRATION
REPORT OF WATER ANALYSIS

Bottle Number: H9183 Name: Randall Pickens County: Howard

Source of Sample: Robert Schilling's Property Collector: J.S.
Street Town or City

Sample Type (Circle): Community Source Non-Community Distribution Private MCL Emergency Recheck Routine

Remarks: H.O. 13-4363

County: 13 Plant No. [] Sampling Station: [] Date Collected: 01/10/83 Time: 11:30 AM Acid: [] Iced: []
Field Data: pH*: [] Chlorine Residual: [] Free: [] Total: [] Specific Conductance: []

ANALYSIS	CODE	RESULTS	ANALYSIS	CODE	RESULTS
pH*	011	.	Arsenic	253	.
Alkalinity (Total)	040	.	Barium	262	.
Alkalinity (HCO ₃)	050	.	Cadmium	273	.
Alkalinity (CO ₃)	060	.	Chromium	283	.
pH*, Ca CO ₃ SAT.	071	.	Lead	302	.
Alkalinity, Ca CO ₃ SAT	080	.	Mercury	314	.
Hardness	110	.	Selenium	323	.
Ammonia-N	143	.	Silver	333	.
<input checked="" type="checkbox"/> Nitrate-Nitrite N	162	<u>1.4</u>	Aluminum	192	.
Nitrite N	173	.	Calcium	231	.
MBAS	182	.	Copper	241	.
Chloride	091	.	Iron	122	.
Fluoride	101	.	Magnesium	241	.
Color*	020	.	Manganese	133	.
Turbidity*	031	.	Nickel	391	.
Conductance*, SPEC.	201	.	Potassium	361	.
Silica	210	.	Sodium	371	.
Sulfate	220	.	Zinc	342	.
Total Residue	381	.			

* Results reported in units, all others in milligrams per liter (ppm)

Date Received: JAN 10 1983 Date Reported: JAN 10 1983 Chemist: [Signature] Lab No.: 08248

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WATER AND SEWERAGE PROGRAM
TEL: (410)313-2640 FAX: (410)313-2648

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: RL Still Enterprises Telephone #: 301-829-0255
Address: 411 Windmill Rd
MT Airy MD 21771

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:

Name (Print): Richard L. Still License# 16826

*A licensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.

Name of Property Owner: B. H. Brock Telephone #: 301-864-0144
Subdivision: _____ Lot #: _____ Well Tag #: HO-73-4363

Site Address: 7158 Brooks Rd
Hickland, MD 20771

Submersible Pump Data Pitless Adapter - Existing Well Cap and Electric Conduit

Make: _____ Model #: _____ Two piece watertight cap:
Pump Capacity _____ GPM Depth: 36" (36" min) Screened, vented well cap:
Well Yield: 1 GPM NSF approved: _____ Cap secured to casing:
Depth of well encountered at time of pump installation: _____ (feet) Conduit min 1 1/2" B.G.:
Conduit secured to well cap:

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4

Torque arrestors or Cable guards are required - Must circle one

Safety rope, if used, attached to inside of well casing with eye bolt _____

Piping to house

Type: Submersible
PSI: 200 (150 psi min)
Depth of supply line: _____ (36" min)

House Connection

PVC sleeved to undisturbed soil at wall penetration: yes
Approximate length of sleeve: 5 FT
Sleeve caulked and sealed properly: yes

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: Richard L. Still date: 5-30-03

For Health Department Use Only - Not to be completed by installer

Date Insp. Requested: 5/20/03 Date Insp. Approved: 5/20/03 **SRK**
Inspection Data: Pitless adapter and water supply line at least 36" below grade: Existing
Two piece cap installed and attached to casing securely:
Elec. conduit extends at least 18" below grade/attached to cap properly:
Safety rope installed inside of well casing: Existing
Correct well tag attached properly and casing 8" above finished grade: OK
Water supply line sleeved adequately at house connection: OK
Adequate ground observed below pitless adapter: Existing

Dry Well or Dry Well + Trench

Owner will install septic system

135 sqft/bdrmSeptic TankMinimum Total sq ft

if 3 Bdrm	1000 gal	→	405
if 4 Bdrm <small>± out garbage grinder</small>	1250 gal	→	540 sq. ft.
5 Bdrm	1500 gal		

If garbage grinder is to be used for 4 B.R. home septic tank capacity to be 2000 gallons and absorbent area total to be 659 sq. ft.

Inlet 3½ ft below original grade

Maximum depth 10 ft below original grade

Effective area begins at 4 ft below orig. grade

Note: If Trench is used to make up absorbent area, run the TRENCH ON LEVEL GROUND and leave a 5' earth buffer between drywell and trench. No trench is to exceed 100' in length. Trench inlet to be same as Dry Well, with 6½ ft of stone below distribution pipe.

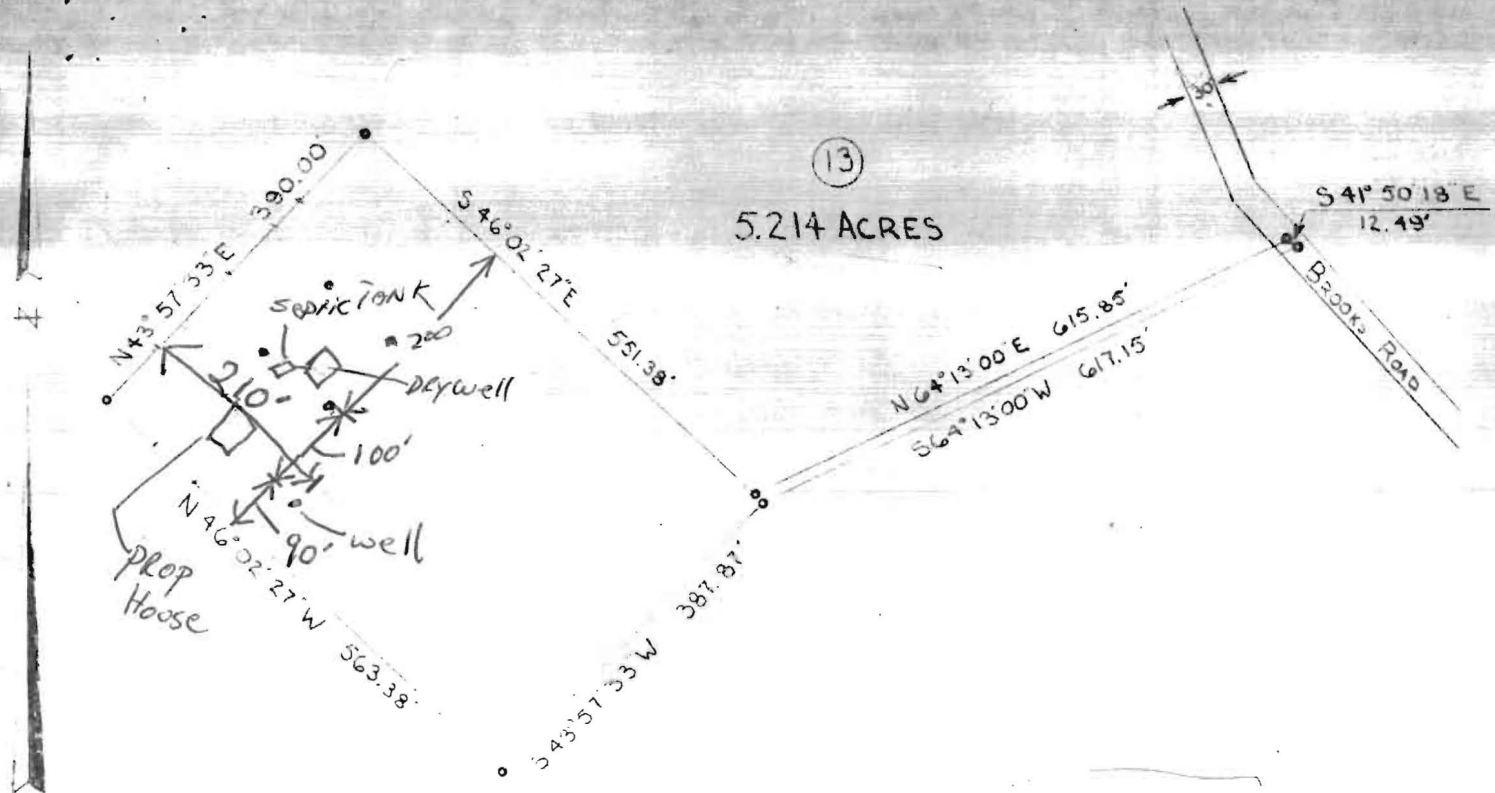
Location:

PLACE DRYWELL AT A POINT 200 FEET FROM THE FRONT PROPERTY LINE, AND 185 FEET FROM RIGHT PROPERTY LINE AS SEEN WHEN FACING PROPERTY FROM BROOKS LANE. IF ADDITIONAL AREA IS NEEDED USE 5 FT EARTH BUFFER THEN RUN TRENCH TO REQUIRED DISTANCE ALONG LEVEL GROUND.

C. Wilham 12-20-82

I wish to install the
septic system for lot 13
Robert Skilleen's property, before
the water well is drilled,
and I accept the consequences
for doing so with regard
to possible re-location of
the approved perc. area that
was tested on Dec. 20, 1952.

Signed _____
Randall Skilleen



(13)
5.214 ACRES

12/29/82
Well Site O.K.
F.S.

PLAT OF SURVEY
FOR
ROBERT SHILLINGER, ETAL
FIFTH ELECTION DIST., HOWARD CO.
HIGHLAND, MARYLAND

SCALE 1IN=200FT APRIL 27, 1974

RANDALL PICKENS 531-3318
6510 HAVILANDS MILL RD
CLARKSVILLE MD.

Note: The lot shown hereon complies with the minimum ownership and lot area as required by the Maryland State Health Department.

Approved: Private Water & Private Sewer

Carole M. [Signature]