

C 1 7805 SEQUENCE NO. (MDE 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 A50264A

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED 080896

PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-94-0897

OWNER Raulin last name Bushy Park Rd. first name DE S. Frederick TOWN Woodbine SUBDIVISION Three keys farm SECTION LOT 1

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. Entries: Sand (0-81), Gray Mica Rock (81-200).

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED Y N

- CIRCLE APPROPRIATE LETTER 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 26.04.04 "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.

TYPE: MWD/MSD/MGD DRILLERS LIC. NO. 24

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 27

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

GROUTING RECORD yes no

WELL HAS BEEN GROUTED (Y N) TYPE OF GROUTING MATERIAL (Circle one) CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 20 NO. OF POUNDS 1880 GALLONS OF WATER 120 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 60 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) (84)

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

SCREEN RECORD screen type or open hole insert appropriate code below

C 2 DEPTH (nearest ft.)

Table with columns: DEPTH (nearest ft.) 1-21, 22-36, 37-51. Entry: H O 83 200

SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH)

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q

TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3 PUMPING TEST

HOURS PUMPED (nearest hour) 3

PUMPING RATE (gal. per min.) 15

METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL (distance from land surface) BEFORE PUMPING 54 ft.

WHEN PUMPING 78 ft.

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 DRILLER WILL INSTALL PUMP (CIRCLE) (YES or NO)

IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.

TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29

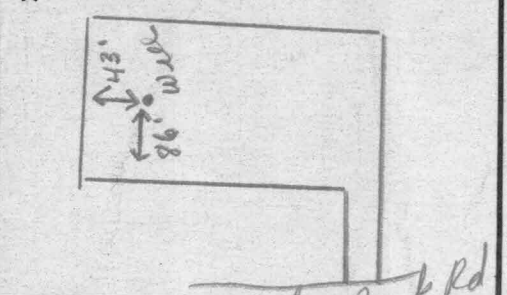
CAPACITY: GALLONS PER MINUTE (to nearest gallon)

PUMP HORSE POWER

PUMP COLUMN LENGTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height) + above - below LAND SURFACE (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)



**B 1** SEQUENCE NO. (MDE USE ONLY)  
 4631  
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

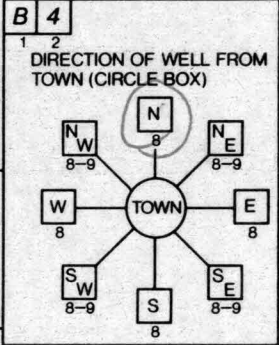
STATE OF MARYLAND  
 PERMIT TO DRILL WELL  
 please print or type

STATE PERMIT NUMBER  
 40-94-0897  
 fill in this form completely

**Date Received (APA)**  
 073096  
**OWNER INFORMATION**  
 RAULIN FREDERICK  
 15 Last Name Owner First Name  
 1ST01FREDERICKRU  
 36 Street or RFD 55  
 WOODBINE MD 21791  
 57 Town 70 State 72 Zip 76

**B 3** LOCATION OF WELL  
 HOWARD  
 8 COUNTY 21  
~~WATERGATE OFFSHORE KEYS~~  
 23 SUBDIVISION 42  
 SECTION 44 46 LOT 48 50 THREE KEYS FARM  
 GLENWOOD  
 52 NEAREST TOWN 71  
 MILES FROM TOWN (enter 0 if in town) 3 73 76 77 78 MI

**DRILLER INFORMATION** CIRCLE: MSD/MGD/MWD  
 Joseph L. Mayne 24  
 Driller's Name 77 License No. 80  
 Joseph L. Mayne Well Drilling  
 Firm Name  
 5512 Ridge Rd. Mt. Airy Md. 21771  
 Address  
 Joseph L. Mayne 7/30/96  
 Signature Date



Bushy PARK RD.  
 11 NEAR WHAT ROAD 30  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
 34 450 37  
 DISTANCE FROM ROAD  
 ENTER FT OR MI FT  
 38 39  
 TAX MAP: 8 BLK: PARCEL 59

**B 2** WELL INFORMATION  
 APPROX. PUMPING RATE (GAL. PER MIN.) 5  
 8 12  
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500  
 14 20

**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)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL  
 Howard A 50264A  
 COUNTY NAME COUNTY NO.  
 STATE SIGNATURE INSERT S  
 DATE ISSUED 080796 TOWNSHIP SEE 8/6/97  
 43 48 CO SIGNATURE EXP. DATE  
 NORTH GRID 542000 EAST GRID 0788000  
 50 55 57 63

APPROXIMATE DEPTH OF WELL 200 FEET  
 24 28

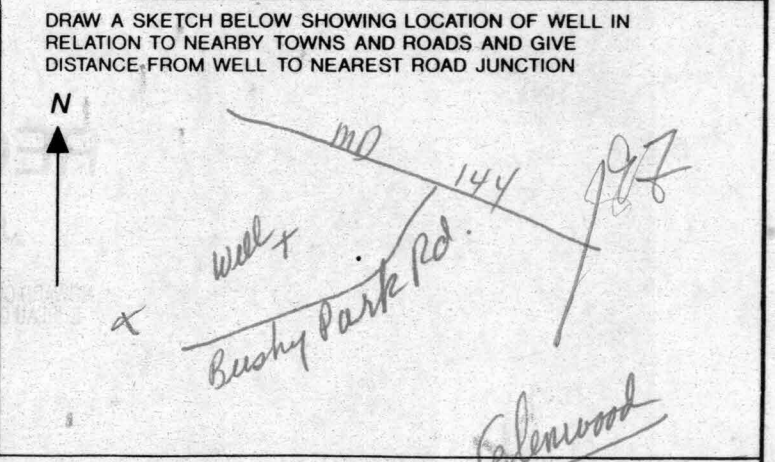
APPROXIMATE DIAMETER OF WELL 6 INCH  
 NEAREST INCH

**METHOD OF DRILLING** (circle one)  
 BORED (or Augered) JETTED Jetted & DRIVEN  
 30 AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary)  
 37 CABLE REVerse-ROTary DRive-POINT  
 other

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

88196  
 10:30 Grout  
 X

**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-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS  
 THIS WELL WILL DEEPEMED AN EXISTING WELL  
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52



**Not to be filled in by driller** (MDE OR COUNTY USE ONLY)  
 APPROP. PERMIT NUMBER 54 GAP 63  
 FORCE DS WRITE INITIALS IN BOX PERMIT No. 40-94-0897  
 67 68 70 71 72 73 74 75 76 77 78 79

**SPECIAL CONDITIONS**  
 NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED -



8/29/01  
Anytime

**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: CHARLES A. KLEIN & SON, INC. Telephone #: (410) 549-6960  
Address: 5220 KLEIN MILL ROAD  
SYDNEYVILLE, MD 21784

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer

License # and name of individual responsible for the field installation:  
Name (Print): CHARLES A. KLEIN, JR. License# 6521

\*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: WILLIAMS BLDG GROUP Telephone #: (410) 997-8800  
Subdivision: CATALA KEYS Lot #: 1 Well Tag #: HO-74-0897  
Site Address: 15168 BUSHY PARK ROAD  
WOODBINE, MD 21797

<b>Submersible Pump Data</b>	<b>Pitless Adapter</b>	<b>Well Cap and Electric Conduit</b>
Make: <u>JACUZZI</u>	Make: <u>HOWARD</u>	Two piece watertight cap: <input checked="" type="checkbox"/>
Model #: <u>5545-13P-52</u>	Model#: <u>PP-800</u>	Screened, vented well cap: <input checked="" type="checkbox"/>
Pump Capacity: <u>5</u> GPM	Depth: <u>42"</u> (36" min)	Cap secured to casing: <input checked="" type="checkbox"/>
Well Yield: <u>15</u> GPM	NSF approved: <input checked="" type="checkbox"/>	Conduit min 18" R.G.: <input checked="" type="checkbox"/>
Depth of well encountered at time of pump installation: <u>200</u> (feet)		Conduit secured to well cap: <input checked="" type="checkbox"/>

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 \_\_\_\_\_

<b>Piping to house</b>	<b>House Connection</b>
Type: <u>CALCULATED</u>	PVC sleeved to undisturbed soil at wall penetration: <u>Yes</u>
PSI: <u>75</u> (160 psi min)	Approximate length of sleeve: _____
Depth of supply line: <u>236"</u> min	Sleeve caulked and sealed properly: <input checked="" type="checkbox"/>

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: Charles A. Klein, Jr. date: 8/29/01  
CHARLES A. KLEIN, JR.

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

Date Insp. Requested: 8/29/01 Date Insp. Approved: 8/29/01

Inspection Data:

Pitless adapter and water supply line at least 36" below grade	<input checked="" type="checkbox"/>
Two piece cap installed and attached to casing securely	<input checked="" type="checkbox"/>
Elec. conduit extends at least 18" below grade/attached to cap properly	<input checked="" type="checkbox"/>
Safety rope installed inside of well casing	<input checked="" type="checkbox"/>
Correct well tag attached properly and casing 2" above finished grade	<input checked="" type="checkbox"/>
Water supply line sleeved adequately at house connection	<input checked="" type="checkbox"/>
Adequate grout observed below pitless adapter	<input checked="" type="checkbox"/>

APD  
ok to code

COORDINATES SHOWN HEREON ARE BASED ON THE MARYLAND STATE GRID SYSTEM (NAD 83) HOWARD COUNTY GEODETIC CONTROL POINTS NO. 08-GC AND NO. 08-H5

S04°08'56"E	287.46'
S04°09'05"W	363.00'
	57.75'
	103.58'

NAD 83 GRID NORTH

E 1300350  
N 602250

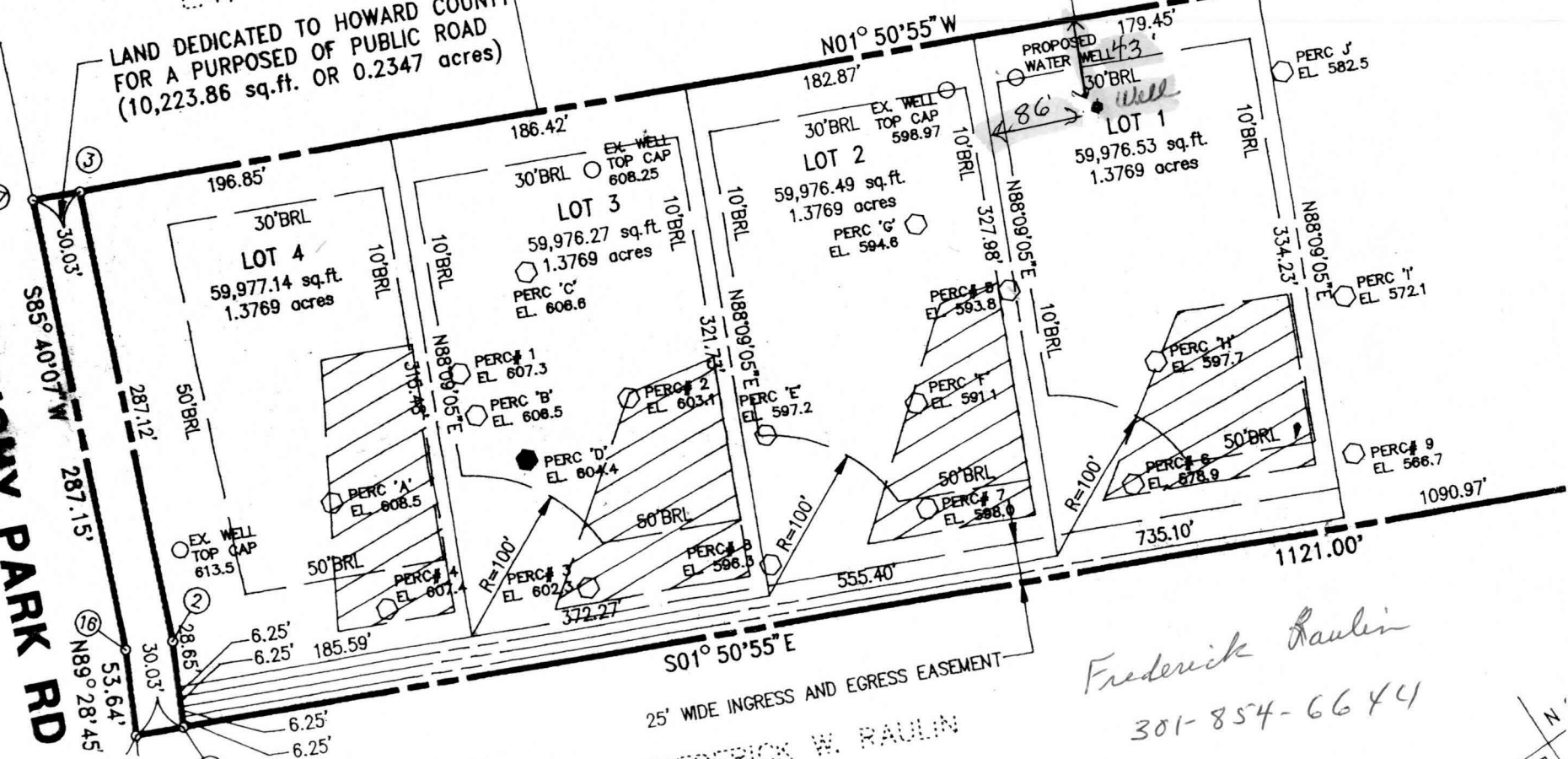
N/F  
JOSEPH SMITH, ET. UX.  
L.471 F.431

N/F  
EDGAR L. AMOSS, ET. UX.  
L.205 F.67

LAND DEDICATED TO HOWARD COUNTY FOR A PURPOSED OF PUBLIC ROAD (10,223.86 sq.ft. OR 0.2347 acres)

8/6/96  
we'll set the road  
work so far

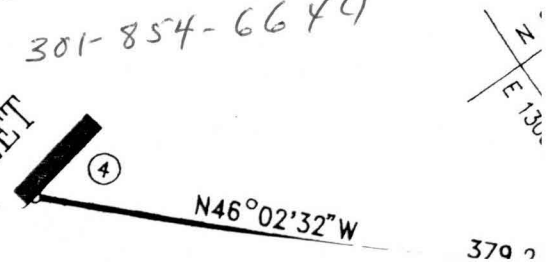
BUSHY PARK RD



25' WIDE INGRESS AND EGRESS EASEMENT  
FREDERICK W. RAULIN  
PARCEL 2

Frederick Raulin  
301-854-6644

SHEET



DAV